



LEADERS PRIVATE SCHOOL

SHARJAH

A Project Report

On

Movie Booking

For

AISSCE 2019 - 20 Examination

[As a part of the Informatics Practices Course (265)]

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We undertook this Project work, as the part of Grade XII-Informatics Practices course. We tried to apply the best of knowledge and experience, gained during the study and class work experience. However, developing software system is generally a quite complex and time-consuming process. It requires a systematic study, insight vision and professional approach during the design and development. Moreover, the developer always feels the need, the help and good wishes of the people near you, who have considerable experience and idea.

I would like to extend our sincere thanks and gratitude to my teacher Ms.Suma.N . I am very much thankful to our Principal Ms. Rafia Zafar Ali for giving valuable time and moral support to develop this project.

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1. Introduction

This software project is developed to automate the functionalities of a Movie Booking System. The purpose of the software project is to develop the Management Information System (MIS) to automate the record keeping of the Seats, Payment and the movies with a view to enhance the decision making of the functionaries.

A MIS mainly consists of a computerized database, a collection of inter-related tables for a particular subject or purpose, capable to produce different reports relevant to the user. An application program is tied with the database for easy access and interface to the database. Using Application program or front-end, we can store, retrieve and manage all information in proper way.

This software, being simple in design and working, does not require much of training to users, and can be used as a powerful tool for automating a Movie Booking System.

During coding and design of the software Project, Java NetBeans IDE, a powerful front-end tool is used for getting Graphical User Interface (GUI) based integrated platform and coding simplicity. As a back-end a powerful, open source RDBMS, My SQL is used as per requirement of the CBSE curriculum of Informatics Practices Course.

2. Objective & Scope of the Project

The objective of the software project is to develop a computerized MIS to automate the functions of a Movie Booking System .This software project is also aimed to enhance the current record keeping system, which will help managers to retrieve the up-to-date information at right time in right shape.

The proposed software system is expected to do the following functionality -

- ✓ To provide a user friendly, Graphical User Interface (GUI) based integrated and centralized environment for MIS activities.*
- ✓ The proposed system should maintain all the records and transactions, and should generate the required reports and information when required.*
- ✓ To provide graphical and user-friendly interface to interact with a centralized database based on client-server architecture.*
- ✓ To identify the critical operation procedure and possibilities of simplification using modern IT tools and practices.*

In its current scope, the software enables user to retrieve and update the information from centralized database designed with MySQL .

This software does not require much training time of the users due to limited functionality and simplicity.

During the development of this Movie Booking System project, Java NetBeans IDE, a powerful, open source event-driven form-based development environment is used for modular design and future expandability of the system.

Despite of the best effort of the developer, the following limitations and functional boundaries are visible, which limits the scope of this application software.

- 1. Excel export has not been developed for Booking, shows due to some criticality.*
- 2. The transactions are executed in offline mode, hence online data for Seats, Payment capture and modification is not possible.*
- 3. Offline reports of Seats, Movie, Customer cannot be generated due to batch mode execution.*

So far as future scope of the project is concerned, firstly it is open to any modular expansion i.e. other modules or functions can be designed and embedded to handle the user need in future. Any part of the software and reports can be modified independently without much effort.

3. Theoretical Background

3.1 What is Database?

Introduction and Concepts:

A database is a collection of information related to a particular subject or purpose, such as tracking customer orders or maintaining a music collection. Using any RDBMS application software like MS SQL Server, MySQL, Oracle, Sybase etc, you can manage all your information from a single database file. Within the file, divide your data into separate storage containers called tables. You may add and retrieve the data using queries.

A table is a collection of data about a specific topic, such as products or suppliers. Using a separate table for each topic means you can store that data only once, which makes your database more efficient and reduces data-entry errors. Table organises data into columns (called fields) and rows (called records).

A Primary key is one or more fields whose value or values uniquely identify each record in a table. In a relationship, a primary key is used to refer to specific record in one table from another table. A primary key is called foreign key when it is referred to from another table.

To find and retrieve just the data that meets conditions you specify, including data from multiple tables, create a query. A query can also update or delete multiple records at the same time, and perform built-in or custom calculations on your data.

Customers : Table			Orders : Table			
Customer ID	Company Name	City	Order ID	Customer ID	Required Date	Employee
BSBEV	B's Beverages	London	10931	HANAR	21-Apr-96	Dodsworth, Anne
EASTC	Eastern Connection	London	10943	BSBEV	05-Apr-96	Davolio, Nancy
HANAR	Hanari Carnes	Rio de Janeiro	10987	EASTC	25-Apr-96	Peacock, Margare

London Orders for April : Select Query			
Company Name	City	Order ID	Required Date
B's Beverages	London	10943	05-Apr-96
Eastern Connection	London	10987	25-Apr-96

This query retrieves the company name, city, order ID, and required date information for customers in London whose orders were required in April.

Role of RDBMS Application Program:

A computer database works as a electronic filing system, which has a large number of ways of cross-referencing, and this allows the user many different ways in which to re-organize and retrieve data. A database can handle business inventory, accounting and filing and use the information in its files to prepare summaries, estimates and other reports. The management of data in a database system is done by means of a general-purpose software package called a Database Management System (DBMS). Some commercially available DBMS are MS SQL Server, MS ACCESS, INGRES, ORACLE, and Sybase. A database management system, therefore, is a combination of hardware and software that can be used to set up and monitor a database, and can manage the updating and retrieval of database that has been stored in it. Most of the database management systems have the following capabilities:

- ◆ *Creating of a table, addition, deletion, modification of records.*
- ◆ *Retrieving data collectively or selectively.*
- ◆ *The data stored can be sorted or indexed at the user's discretion and direction.*
- ◆ *Various reports can be produced from the system. These may be either standardized report or that may be specifically generated according to specific user definition.*
- ◆ *Mathematical functions can be performed and the data stored in the database can be manipulated with these functions to perform the desired calculations.*
- ◆ *To maintain data integrity and database use.*

The DBMS interprets and processes users' requests to retrieve information from a database. In most cases, a query request will have to penetrate several layers of software in the DBMS and operating system before the physical database can be accessed. The DBMS responds to a query by invoking the appropriate subprograms, each of which performs its special function to interpret the query, or to locate the desired data in the database and present it in the desired order.

3.2 What is My SQL ?



The management of data in a database system is done by means of a general-purpose software package called a Database Management System (DBMS). Some commercially available RDBMS are MS SQL Server, MS ACCESS, INGRES, ORACLE, and Sybase.

MySQL, the most popular Open Source SQL database management system, is developed, distributed, and supported by Oracle Corporation. MySQL is named after co-founder Monty Widenius's daughter, My. The name of the MySQL Dolphin (our logo) is "Sakila,".

- **MySQL is a database management system.**

A database is a structured collection of data. It may be anything from a simple shopping list to a picture gallery or the vast amounts of information in a corporate network. To add, access, and process data stored in a computer database, you need a database management system such as MySQL Server. Since computers are very good at handling large amounts of data, database management systems play a central role in computing, as standalone utilities, or as parts of other applications.

- **MySQL is based on SQL.**

A relational database stores data in separate tables rather than putting all the data in one big storeroom. This adds speed and flexibility. The SQL part of "MySQL" stands for "Structured Query Language." SQL is the most common standardized language used to access databases and is defined by the ANSI/ISO SQL

Standard. The SQL standard has been evolving since 1986 and several versions exist. In this manual, “SQL-92” refers to the standard released in 1992, “SQL:1999” refers to the standard released in 1999, and “SQL:2003” refers to the current version of the standard.

- ***MySQL software is Open Source.***

Open Source means that it is possible for anyone to use and modify the software. Anybody can download the MySQL software from the Internet and use it without paying anything. If you wish, you may study the source code and change it to suit your needs. The MySQL software uses the GPL (GNU General Public License),

- ***The MySQL Database Server is very fast, reliable, and easy to use.***

If that is what you are looking for, you should give it a try. MySQL Server also has a practical set of features developed in close cooperation with our users. You can find a performance comparison of MySQL Server with other database managers on our benchmark page. MySQL Server was originally developed to handle large databases much faster than existing solutions and has been successfully used in highly demanding production environments for several years. Although under constant development, MySQL Server today offers a rich and useful set of functions. Its connectivity, speed, and security make MySQL Server highly suited for accessing databases on the Internet.

- ***MySQL Server works in client/server or embedded systems.***

The MySQL Database Software is a client/server system that consists of a multi-threaded SQL server that supports different backends, several different client programs and libraries, administrative tools, and a wide range of application programming interfaces (APIs).

The Main Features of MySQL

- *Written in C and C++.*
- *Works on many different platforms.*
- *Uses multi-layered server design with independent modules.*
- *Provides transactional and non-transactional storage engines.*
- *Uses a very fast thread-based memory allocation system.*
- *Executes very fast joins using an optimized nested-loop join.*
- *Implements SQL functions using a highly optimized class library that should be as fast as possible. Usually there is no memory allocation at all after query initialization.*
- *Provides the server as a separate program for use in a client/server networked environment, and as a library that can be embedded (linked) into standalone applications. Such applications can be used in isolation or in environments where no network is available.*
- *Password security by encryption of all password traffic when you connect to a server.*
- *Support for large databases. We use MySQL Server with databases that contain 50 million records. We also know of users who use MySQL Server with 200,000 tables and about 5,000,000,000 rows.*
- *MySQL client programs can be written in many languages. A client library written in C is available for clients written in C or C++, or for any language that provides C bindings.*
- *APIs for C, C++, Eiffel, Java, Perl, PHP, Python, Ruby, and Tcl are available, enabling MySQL clients to be written in many languages.*
- *The Connector/ODBC (MyODBC) interface provides MySQL support for client programs that use ODBC (Open Database Connectivity) connections.*

- *The Connector/J interface provides MySQL support for Java client programs that use JDBC connections. Clients can be run on Windows or Unix. Connector/J source is available.*

3.3 What is NetBeans IDE ?

NetBeans started as a student project (originally called Xelfi) in the Czech Republic in 1996. The goal was to write a Delphi-like Java IDE in Java. Xelfi was the first Java IDE (Integrated Development Environment) written in Java, with its first pre-releases in 1997. Xelfi was a fun project to work on, especially since Java IDE space was uncharted territory at that time. The project attracted enough interest that these students, once they graduated, decided that they could market it as a commercial product. Soliciting resources from friends and relatives for a web space, they formed a company around it.

Soon after, they were contacted by [Roman Stanek](#), an entrepreneur who had already been involved in several startups in the Czech Republic. He was looking for a good idea to invest in, and discovered Xelfi. He met with the founders; they hit it off, and a business was born.

In the spring of 1999, [NetBeans DeveloperX2](#) was released, supporting Swing. The performance improvements that came in JDK 1.3, released in the fall of 1999, made NetBeans a viable choice for development tools. By the summer of 1999, the team was hard at work re-architecting DeveloperX2 into the more modular NetBeans that forms the basis of the software today.

Something else was afoot in the summer of 1999: [Sun Microsystems](#) wanted better Java development tools, and had become interested in NetBeans. It was a dream come true for the NetBeans team: NetBeans would become the flagship tool set of the maker of Java itself! By the Fall, with the next generation of NetBeans Developer in beta, a deal was struck. Sun Microsystems had also acquired another tools company, During the acquisition, the young developers who had been involved in open-source projects for most of their programming careers, mentioned

the idea of open-sourcing NetBeans. Fast forward to less than six months later, the decision was made that NetBeans would be open sourced. While Sun had contributed considerable amounts of code to open source projects over the years, this was Sun's first sponsored open source project, one in which Sun would be paying for the site and handling the infrastructure.

Features of NetBeans

A free, open-source Integrated Development Environment for software developers. You get all the tools you need to create professional desktop, enterprise, web, and mobile applications with the Java platform, as well as C/C++, PHP, JavaScript, Groovy, and Ruby.

NetBeans IDE 6.9 introduces the JavaFX Composer, support for JavaFX SDK 1.3, OSGi interoperability, support for the PHP Zend framework and Ruby on Rails 3.0, and more.

4. Problem Definition & Analysis

The hardest part of building a software system is deciding precisely what to build. No other part of the conceptual work is so difficult as establishing the detailed technical requirement. Defining and applying good, complete requirements are hard to work, and success in this endeavor has eluded many of us. Yet, we continue to make progress.

Problem definition describes the What of a system, not How. The quality of a software product is only as good as the process that creates it. Problem definition is one of the most crucial steps in this creation process. Without defining a problem, developers do not know what to build, customers do not know what to expect, and there is no way to validate that the built system satisfies the requirement.

Problem definition and Analysis is the activity that encompasses learning about the problem to be solved, understanding the needs of customer and users, trying to find out who the user really is, and understanding all the constraints on the solution. It includes all activities related to the following:

- ✓ *Identification and documentation of customer's or user's needs.*
- ✓ *Creation of a document that describes the external behavior and the association constraints that will satisfies those needs.*
- ✓ *Analysis and validation of the requirements documents to ensure consistency, completeness, and feasibility*
- ✓ *Evolution of needs.*

After the analysis of the functioning of a Movie Booking system, the proposed System is expected to do the following: -

- ✓ *To provide a user friendly, Graphical User Interface (GUI) based integrated and centralized environment for computerized Movie Booking System.*

- ✓ *The proposed system should maintain all the records of the seats, payment ,movies ,shows and the customer.*
- ✓ *To provide efficient and secured Information storage, flow and retrieval system, ensuring the integrity and validity of records.*
- ✓ *To provide graphical and user-friendly interface to interact with a centralized database based on client-server architecture.*
- ✓ *To identify the critical operation procedure and possibilities of simplification using modern IT tools and practices.*

5. System Implementation

5.1 The Hardware used:

While developing the system, the used hardware are:

PC with Intel Core i5 processor (2.5GHz) processor having 6 GB RAM, SVGA and other required devices.

5.2 The Softwares used:

- *Microsoft Windows® 10 as Operating System.*
- *Java NetBeans 6.9 as Front-end Development environment.*
- *MySQL as Back-end Sever with Database for Testing.*
- *MS-Word 2019 for documentation.*

6. System Design & Development

6.1 Database Design:

An important aspect of system design is the design of data storage structure. To begin with a logical model of data structure is developed first. A database is a container object which contains tables, queries, reports and data validation policies enforcement rules or constraints etc. A logical data often represented as records are kept in different tables after reducing anomalies and redundancies. The goodness of data base design lies in the table structure and its relationship.

This software project maintains a database named **aditya** which contains the following tables.

Table Design:

The database of aditya System contains 11 tables. The tables are normalized to minimize the redundancies of data and enforcing the validation rules of the organization. Most of the tables are designed to store master records. The tables and their structure are given below.

Table: monday

Column Name	Type	Size
Time	time	
Slot1	int	11
Slot2	int	11
Slot3	int	11
Slot4	int	11
Slot5	int	11
Slot6	int	11

Table: tuesday

Column Name	Type	Size
Time	time	
Slot1	int	11
Slot2	int	11
Slot3	int	11
Slot4	int	11
Slot5	int	11
Slot6	int	11

Table: wednesday

<i>Column Name</i>	<i>Type</i>	<i>Size</i>
Time	time	
Slot1	int	11
Slot2	int	11
Slot3	int	11
Slot4	int	11
Slot5	int	11
Slot6	int	11

Table: thursday

<i>Column Name</i>	<i>Type</i>	<i>Size</i>
Time	time	
Slot1	int	11
Slot2	int	11
Slot3	int	11
Slot4	int	11
Slot5	int	11
Slot6	int	11

Table: friday

<i>Column Name</i>	<i>Type</i>	<i>Size</i>
Time	time	
Slot1	int	11
Slot2	int	11
Slot3	int	11
Slot4	int	11
Slot5	int	11
Slot6	int	11

Table: saturday

<i>Column Name</i>	<i>Type</i>	<i>Size</i>
Time	time	
Slot1	int	11
Slot2	int	11
Slot3	int	11
Slot4	int	11
Slot5	int	11
Slot6	int	11

Table: sunday

<i>Column Name</i>	<i>Type</i>	<i>Size</i>
Time	time	
Slot1	int	11
Slot2	int	11
Slot3	int	11
Slot4	int	11
Slot5	int	11
Slot6	int	11

Table: temp

<i>Column Name</i>	<i>Type</i>	<i>Size</i>
TableName	varchar	50

Table: tempseats

<i>Column Name</i>	<i>Type</i>	<i>Size</i>
SelectedSeats	varchar	3

Table: login

<i>Column Name</i>	<i>Type</i>	<i>Size</i>
UserName	varchar	50
Password	varchar	50
Email	varchar	50
Title	varchar	10
FirstName	varchar	25
Surname	varchar	25
Mobile	int	30
DOB	date	
Log	int	11

Table: ticket

<i>Column Name</i>	<i>Type</i>	<i>Size</i>
UserName	varchar	50
Movie	varchar	50
Cinema	int	11
Date	date	
Time	time	
Seats	varchar	50
Total	decimal	(6,2)
CardNumber	varchar	19
DateOfExpiry	varchar	5
Security	varchar	3

6.2 Menu Design:

The Movie Booking Service gateway comprises the following options, organized in a user-friendly way. The movie information and showtimes can be viewed by clicking on the specific buttons.

The screenshot displays a movie booking interface. At the top, the movie details for 'THE LION KING' are shown:

- NAME : THE LION KING
- RATING : PG
- LENGTH : 110 minutes
- GENRE : Adventure, Animation

A synopsis box on the right contains the following text: "From Disney Live Action, director Jon Favreau's all-new 'The Lion King' journeys to the African savanna where a future king is born. Simba idolizes his father, King Mufasa, and takes to heart his own royal destiny. But not everyone in the kingdom celebrates the new cub's arrival. Scar, Mufasa's brother-and former heir to the throne-has plans of his own. The battle for Pride Rock is ravaged with betrayal, tragedy and drama, ultimately resulting in Simba's exile. With help from a curious pair of newfound friends, Simba will have to figure out how to grow up and take back what is rightfully his."

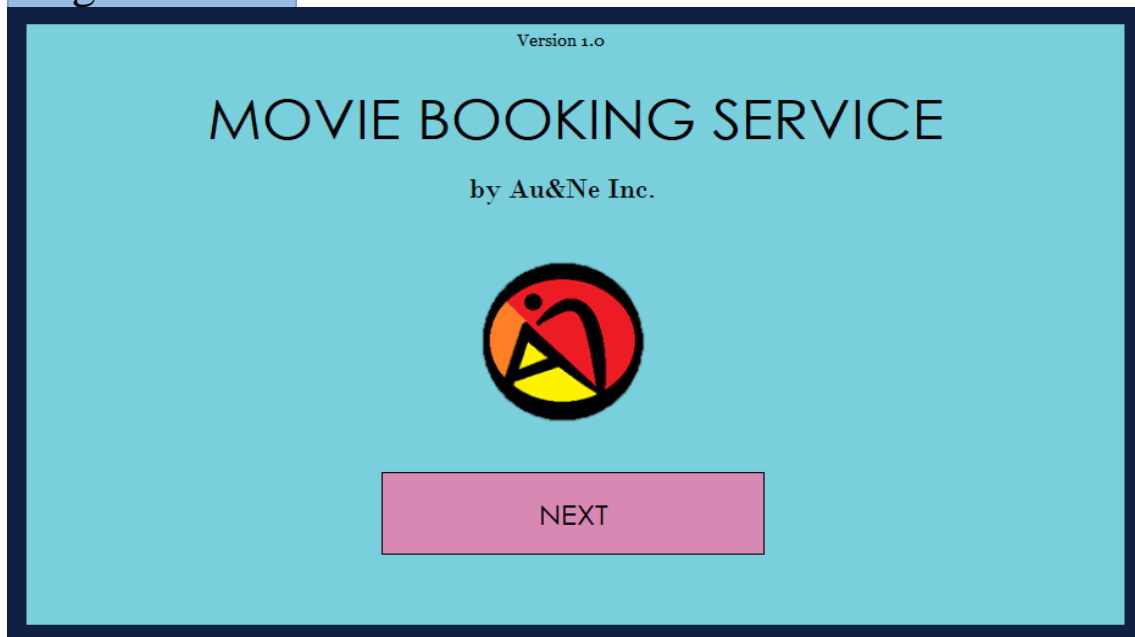
Below the details is a row of six movie posters, each with an information icon (i) and a 'SHOWTIMES' button:

- Poster 1: 'Us' (Jesse Plemons)
- Poster 2: 'The Flash' (The Flash)
- Poster 3: 'Dangal' (Zaira Wasim)
- Poster 4: 'The Lion King' (Simba)
- Poster 5: 'Lucifer' (Tom Ellis)
- Poster 6: 'Mission Impossible' (Tom Cruise)

6.3 I/O Forms Design & Event Coding:

The software project for Public Library Management contains various forms along with programming codes. Forms (JFrames) and their event coding are given below.

Logo :



```
import java.awt.Color;
import javax.swing.*;
import java.util.concurrent.TimeUnit;
import java.util.*;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author ckume
 */
public class logo extends javax.swing.JFrame {
    Random rand = new Random();
    Color colour = new Color(215,137,179);
    /**
     * Creates new form logo
     */
    public logo() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```

private void initComponents() {

    backBlue = new javax.swing.JPanel();
    frontBlue = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    next = new javax.swing.JPanel();
    labelNext = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    addWindowListener(new java.awt.event.WindowAdapter() {
        public void windowOpened(java.awt.event.WindowEvent evt) {
            formWindowOpened(evt);
        }
    });

    backBlue.setBackground(new java.awt.Color(15, 32, 67));

    frontBlue.setBackground(new java.awt.Color(122, 207, 221));

    jLabel4.setFont(new java.awt.Font("Georgia", 0, 14)); // NOI18N
    jLabel4.setText("Version 1.0");

    jLabel3.setFont(new java.awt.Font("Bodoni MT", 0, 24)); // NOI18N
    jLabel3.setText("by Au&Ne Inc.");

    jLabel2.setFont(new java.awt.Font("Century Gothic", 0, 48)); // NOI18N
    jLabel2.setText("MOVIE BOOKING SERVICE");

    jLabel1.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\logo.png")); // NOI18N

    next.setBackground(new java.awt.Color(215, 137, 179));
    next.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
    next.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            nextMouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            nextMouseExited(evt);
        }
    });

    labelNext.setBackground(new java.awt.Color(215, 137, 179));
    labelNext.setFont(new java.awt.Font("Century Gothic", 0, 24)); // NOI18N
    labelNext.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    labelNext.setText("NEXT");
    labelNext.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            labelNextMouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            labelNextMouseEntered(evt);
        }
    });
}

```

```

    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        labelNextMouseExited(evt);
    }
});

javax.swing.GroupLayout nextLayout = new javax.swing.GroupLayout(next);
next.setLayout(nextLayout);
nextLayout.setHorizontalGroup(
    nextLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(labelNext, javax.swing.GroupLayout.DEFAULT_SIZE, 312,
Short.MAX_VALUE)
);
nextLayout.setVerticalGroup(
    nextLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(nextLayout.createSequentialGroup()
            .addGap(0, 0, 0)
            .addComponent(labelNext, javax.swing.GroupLayout.PREFERRED_SIZE, 70,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, 0))
);

javax.swing.GroupLayout frontBlueLayout = new javax.swing.GroupLayout(frontBlue);
frontBlue.setLayout(frontBlueLayout);
frontBlueLayout.setHorizontalGroup(
    frontBlueLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(frontBlueLayout.createSequentialGroup()
            .addGroup(frontBlueLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(frontBlueLayout.createSequentialGroup()
                    .addGap(363, 363, 363)
                    .addGroup(frontBlueLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jLabel3)
                        .addGroup(frontBlueLayout.createSequentialGroup()
                            .addGap(9, 9, 9)
                            .addComponent(jLabel1))))
                .addGroup(frontBlueLayout.createSequentialGroup()
                    .addGap(402, 402, 402)
                    .addComponent(jLabel4))
                .addGroup(frontBlueLayout.createSequentialGroup()
                    .addGap(148, 148, 148)
                    .addComponent(jLabel2))
                .addGroup(frontBlueLayout.createSequentialGroup()
                    .addGap(291, 291, 291)
                    .addComponent(next, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
            .addContainerGap(148, Short.MAX_VALUE))
);
frontBlueLayout.setVerticalGroup(
    frontBlueLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(frontBlueLayout.createSequentialGroup()
            .addGap(0, 0, 0)
            .addComponent(jLabel4)
            .addGap(28, 28, 28)

```

```

        .addComponent(jLabel2)
        .addGap(18, 18, 18)
        .addComponent(jLabel3)
        .addGap(48, 48, 48)
        .addComponent(jLabel1)
        .addGap(43, 43, 43)
        .addComponent(next, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(61, Short.MAX_VALUE)
    );
    javax.swing.GroupLayout backBlueLayout = new javax.swing.GroupLayout(backBlue);
    backBlue.setLayout(backBlueLayout);
    backBlueLayout.setHorizontalGroup(
        backBlueLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(backBlueLayout.createSequentialGroup()
            .addGroup(backBlueLayout.createParallelGroup()
                .addGap(16, 16, 16)
                .addComponent(frontBlue, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(16, Short.MAX_VALUE))
            .addContainerGap())
    );
    backBlueLayout.setVerticalGroup(
        backBlueLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(backBlueLayout.createSequentialGroup()
            .addGap(16, 16, 16)
            .addComponent(frontBlue, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(16, 16, 16)
            .addContainerGap())
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(backBlue, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addContainerGap())
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(backBlue, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );

    pack();
} // </editor-fold>

private void formWindowOpened(java.awt.event.WindowEvent evt) {
    /*if(bar.getValue() < 100)
    {
        bar.wait();
        button.doClick();
    }
    else
    {
        login log = new login();
    }
}

```



```

        log.setVisible(true);
        dispose();
    }*/
}

private void labelNextMouseEntered(java.awt.event.MouseEvent evt) {
    next.setBackground(Color.GRAY);
}
private void nextMouseEntered(java.awt.event.MouseEvent evt) {

}
private void nextMouseExited(java.awt.event.MouseEvent evt) {

}
private void labelNextMouseExited(java.awt.event.MouseEvent evt) {
    next.setBackground(colour);
}

private void labelNextMouseClicked(java.awt.event.MouseEvent evt) {
    login log = new login();
    log.setVisible(true);
    dispose();
}
/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

}
java.util.logging.Logger.getLogger(logo.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {

}
java.util.logging.Logger.getLogger(logo.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {

}
java.util.logging.Logger.getLogger(logo.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```
java.util.logging.Logger.getLogger(logo.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new logo().setVisible(true);
    }
});
}
// Variables declaration - do not modify
private javax.swing.JPanel backBlue;
private javax.swing.JPanel frontBlue;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel labelNext;
private javax.swing.JPanel next;
// End of variables declaration
}
```

Login:

LOGIN	
Username :	<input type="text" value="Nehemiah"/>
Password :	<input type="password" value="****"/>
<input type="button" value="Submit"/>	
Don't have an account ? Sign Up	

```
import java.awt.Color;
import java.sql.*;
import javax.swing.JOptionPane;
```

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author ckume
 */
public class login extends javax.swing.JFrame {

    /**
     * Creates new form login
     */
    public login() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```

private void initComponents() {

    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    username = new javax.swing.JTextField();
    button = new javax.swing.JButton();
    label = new javax.swing.JLabel();
    password = new javax.swing.JPasswordField();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jLabel1.setBackground(new java.awt.Color(220, 220, 240));
    jLabel1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
    jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel1.setText("LOGIN");
    jLabel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

    jLabel2.setFont(new java.awt.Font("Trebuchet MS", 1, 14)); // NOI18N
    jLabel2.setText("Username :");

    jLabel3.setFont(new java.awt.Font("Trebuchet MS", 1, 14)); // NOI18N
    jLabel3.setText("Password :");

    username.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            usernameActionPerformed(evt);
        }
    });

    button.setFont(new java.awt.Font("SansSerif", 1, 12)); // NOI18N
    button.setText("Submit");
    button.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            buttonActionPerformed(evt);
        }
    });

    label.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    label.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    label.setText("Don't have an account ? Sign Up");
    label.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));
    label.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            labelMouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            labelMouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            labelMouseExited(evt);
        }
    });

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

```

```

    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(label, javax.swing.GroupLayout.Alignment.TRAILING,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                Short.MAX_VALUE)
            .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                .addGap(232, Short.MAX_VALUE)
                .addComponent(button, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(215, 215, 215))
            .addGroup(layout.createSequentialGroup()
                .addGap(70, 70, 70)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel2)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(45, 45, 45)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
                    false)
                    .addComponent(username, javax.swing.GroupLayout.DEFAULT_SIZE, 236,
                        Short.MAX_VALUE)
                    .addComponent(password))
                .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE));
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(43, 43, 43)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(jLabel2)
                            .addComponent(username, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(35, 35, 35)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel3)
                            .addComponent(password, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(48, 48, 48)
                        .addComponent(button)
                        .addGap(18, 18, 18)
                        .addComponent(label, javax.swing.GroupLayout.PREFERRED_SIZE, 21,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(107, Short.MAX_VALUE))
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 63,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap());
    pack();
} // </editor-fold>

private void usernameActionPerformed(java.awt.event.ActionEvent evt) {

```

```

}

private void buttonActionPerformed(java.awt.event.ActionEvent evt) {
    String user = username.getText();
    String pass = new String(password.getPassword());

    if(user.isEmpty())
    {
        JOptionPane.showMessageDialog(this,"Please enter Username");
    }
    else if(pass.isEmpty())
    {
        JOptionPane.showMessageDialog(this,"Please enter Password");
    }
    else{
        try
        {
            Class.forName("java.sql.DriverManager");
            Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
            Statement stmt = (Statement) con.createStatement();
            String query = "select * from login where username = '" + user + "' and password = '" + pass
+ "';";
            ResultSet rs = stmt.executeQuery(query);

            if(rs.next())
            {
                try
                {
                    String queryLog = "update login set log = 0 where username = '" + user + "';";
                    stmt.executeUpdate(queryLog);

                    String q = "insert into ticket (username) values ('" + user + "');";
                    stmt.executeUpdate(q);

                    menu a = new menu();
                    a.setVisible(true);
                    dispose();
                }
                catch(Exception e)
                {
                    JOptionPane.showMessageDialog(this, e.getMessage());
                }
            }
            else
            {
                JOptionPane.showMessageDialog(this, "Username or Password is incorrect");
            }
        }
        catch(Exception e)
        {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
    }
}

```

```

    }

    private void labelMouseEntered(java.awt.event.MouseEvent evt) {
        label.setForeground(Color.gray);
    }

    private void labelMouseExited(java.awt.event.MouseEvent evt) {
        label.setForeground(Color.black);
    }

    private void labelMouseClicked(java.awt.event.MouseEvent evt) {
        signUp a = new signUp();
        a.setVisible(true);
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

            java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null,
                ex);
        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null,
                ex);
        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null,
                ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

            java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null,
                ex);
        }
    }
    //</editor-fold>

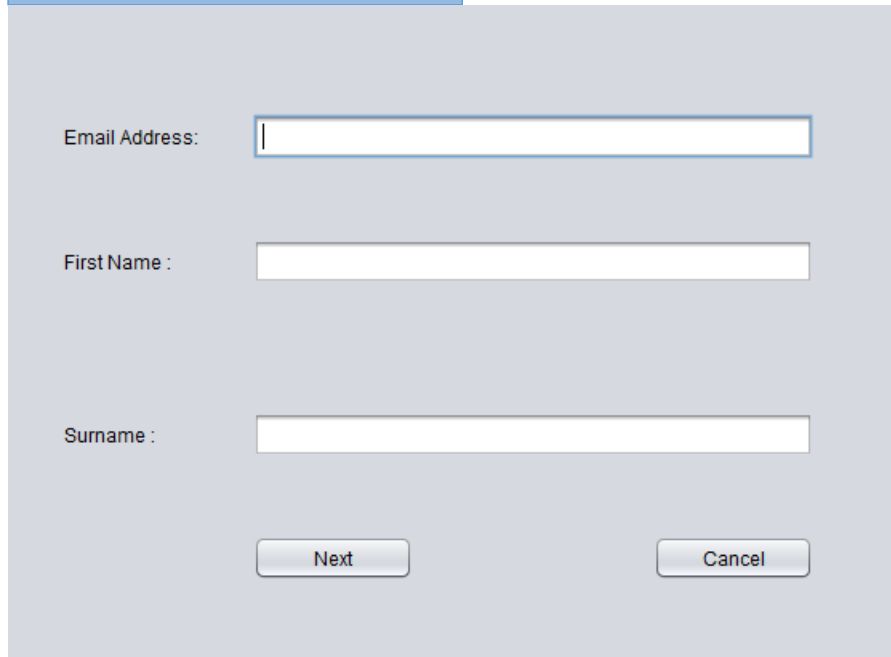
    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new login().setVisible(true);
        }
    });

```

```
    }
  });
}

// Variables declaration - do not modify
private javax.swing.JButton button;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel label;
private javax.swing.JPasswordField password;
private javax.swing.JTextField username;
// End of variables declaration
}
```


SignUp:



```
import java.sql.*;
import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author ckume
 */
public class signUp extends javax.swing.JFrame {

    /**
     * Creates new form signUp
     */
    public signUp() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialise the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
```

```

jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
field = new javax.swing.JTextField();
field2 = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
field3 = new javax.swing.JTextField();
next = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DO_NOTHING_ON_CLOSE);

jLabel1.setText("Email Address:");

jLabel2.setText("First Name :");

jLabel3.setText("Surname :");

next.setText("Next");
next.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nextActionPerformed(evt);
    }
});

jButton2.setText("Cancel");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(35, 35, 35)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel1)
            .addComponent(jLabel2)
            .addComponent(jLabel3))
        .addGap(34, 34, 34)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
            .addGroup(layout.createSequentialGroup()
                .addComponent(next, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(LayoutStyle.ComponentPlacement.RELATED, 150,
Short.MAX_VALUE)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(field)
            .addComponent(field2)
            .addComponent(field3))
    );

```

```

        .addContainerGap(55, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(69, 69, 69)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(field, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(50, 50, 50)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(field2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 80,
Short.MAX_VALUE)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel3)
                .addComponent(field3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(49, 49, 49)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(next)
                .addComponent(jButton2))
            .addGap(50, 50, 50))
    );

    pack();
} // </editor-fold>

private void nextActionPerformed(java.awt.event.ActionEvent evt) {
    String email = field.getText();
    String fname = field2.getText();
    String lname = field3.getText();

    boolean valid = false;

    String key[] = new String[11];
    key[0] = ".com";
    key[1] = ".org";
    key[2] = ".net";
    key[3] = ".in";
    key[4] = ".ae";
    key[5] = ".us";
    key[6] = ".jp";
    key[7] = ".au";
    key[8] = ".uk";
    key[9] = ".fr";
    key[10] = ".eu";

    for(int i = 0; i <= 9; i++)
    {
        if(email.contains(key[i]))
        {

```

```

        valid = true;
        System.out.println(valid);
        break;
    }
    else
    {
        valid = false;
    }
}
if(email.isEmpty()||fname.isEmpty()||lname.isEmpty())
{
    JOptionPane.showMessageDialog(this,"Please enter all Details");
}
else if(!email.contains("@")||email.replaceFirst("@", "").contains("@"))
{
    JOptionPane.showMessageDialog(this,"Invalid Email Address");
}
else if(valid == false)
{
    JOptionPane.showMessageDialog(this,"Invalid Email Address");
}
else{
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "insert into login (email, firstName, Surname) values (" + email + "," +
fname + "," + lname + ")";
        stmt.executeUpdate(query);
        signUp2 a = new signUp2();
        a.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "delete from login where password is null;";
        stmt.executeUpdate(query);

        dispose();
    }
    catch(Exception e)

```

```

        {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }
    }

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(signUp.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(signUp.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(signUp.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(signUp.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new signUp().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JTextField field;
private javax.swing.JTextField field2;
private javax.swing.JTextField field3;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;

```

```
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JButton next;  
// End of variables declaration  
}
```

SignUp2:

Month Day Year

Date Of Birth : January 01 2019

Mobile Number :

Preferred Title : <None>

Next Cancel

```
import java.sql.*;
import static java.sql.Types.NULL;
import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author ckume
 */
public class signUp2 extends javax.swing.JFrame {

    /**
     * Creates new form signUp2
     */
    public signUp2() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
```

```

jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
combo4 = new javax.swing.JComboBox<>();
month = new javax.swing.JComboBox<>();
field = new javax.swing.JTextField();
day = new javax.swing.JComboBox<>();
next = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();
jButton2 = new javax.swing.JButton();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
year = new javax.swing.JComboBox<>();

setDefaultCloseOperation(javax.swing.WindowConstants.DO_NOTHING_ON_CLOSE);

jLabel6.setText("Mobile Number :");

jLabel7.setText("Preferred Title :");

combo4.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "<None>",
"Mr.", "Mrs.", "Miss" }));

month.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "January",
"February", "March", "April", "May", "June", "July", "August", "September", "October",
"November", "December" }));
month.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        monthItemStateChanged(evt);
    }
});
month.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        monthActionPerformed(evt);
    }
});

day.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "01", "02", "03",
"04", "05", "06", "07", "08", "09", "10", "11", "12", "13", "14", "15", "16", "17", "18", "19", "20",
"21", "22", "23", "24", "25", "26", "27", "28", "29", "30", "31" }));
day.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        dayActionPerformed(evt);
    }
});

next.setText("Next");
next.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        nextActionPerformed(evt);
    }
});

jLabel1.setText("Date Of Birth :");

```



```

jButton2.setText("Cancel");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jLabel2.setText("Month");

jLabel3.setText("Day");

jLabel4.setText("Year");

year.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "1900", "1901",
"1902", "1903", "1904", "1905", "1906", "1907", "1908", "1909", "1910", "1911", "1912", "1913",
"1914", "1915", "1916", "1917", "1918", "1919", "1920", "1921", "1922", "1923", "1924", "1925",
"1926", "1927", "1928", "1929", "1930", "1931", "1932", "1933", "1934", "1935", "1936", "1937",
"1938", "1939", "1940", "1941", "1942", "1943", "1944", "1945", "1946", "1947", "1948", "1949",
"1950", "1951", "1952", "1953", "1954", "1955", "1956", "1957", "1958", "1959", "1960", "1961",
"1962", "1963", "1964", "1965", "1966", "1967", "1968", "1969", "1970", "1971", "1972", "1973",
"1974", "1975", "1976", "1977", "1978", "1979", "1980", "1981", "1982", "1983", "1984", "1985",
"1986", "1987", "1988", "1989", "1990", "1991", "1992", "1993", "1994", "1995", "1996", "1997",
"1998", "1999", "2000", "2001", "2002", "2003", "2004", "2005", "2006", "2007", "2008", "2009",
"2010", "2011", "2012", "2013", "2014", "2015", "2016", "2017", "2018", "2019" }));
year.setSelectedIndex(119);
year.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        yearItemStateChanged(evt);
    }
});
year.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        yearActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
            .addGap(68, 68, 68)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(field)
                .addComponent(combo4, 0, 301, Short.MAX_VALUE))
            .addGap(74, 74, 74)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

```

```

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                layout.createSequentialGroup()
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(31, 31, 31)
                    .addComponent(month, javax.swing.GroupLayout.PREFERRED_SIZE, 87,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(27, 27, 27)
                    .addComponent(day, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(41, 41, 41)
                    .addComponent(year, javax.swing.GroupLayout.PREFERRED_SIZE, 68,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(86, 86, 86)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                        layout.createSequentialGroup()
                            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 48,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(64, 64, 64)
                            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(69, 69, 69)
                            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(104, 104, 104))))
            .addGroup(layout.createSequentialGroup()
                .addGap(130, 130, 130)
                .addComponent(next, javax.swing.GroupLayout.PREFERRED_SIZE, 97,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(112, 112, 112)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 87,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                    .addContainerGap(44, Short.MAX_VALUE)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel4)
                        .addComponent(jLabel3)
                        .addComponent(jLabel2))
                    .addGap(24, 24, 24)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(month, javax.swing.GroupLayout.PREFERRED_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(day, javax.swing.GroupLayout.PREFERRED_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(year, javax.swing.GroupLayout.PREFERRED_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel1))
                    .addGap(48, 48, 48)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(field, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel6))
        .addGap(50, 50, 50)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(combo4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7))
        .addGap(53, 53, 53)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(next)
        .addComponent(jButton2))
        .addGap(40, 40, 40))
    );

    pack();
} // </editor-fold>

private void monthActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void dayActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void nextActionPerformed(java.awt.event.ActionEvent evt) {
    String dob;
    String mobile = field.getText();
    int titleno = combo4.getSelectedIndex();
    String title;

    if(titleno != 0)
    {
        title = combo4.getItemAt(titleno);
    }
    else
    {
        title = null;
    }

    dob = year.getItemAt(year.getSelectedIndex()) + "-" + (month.getSelectedIndex() + 1) + "-" +
day.getItemAt(day.getSelectedIndex());

    if(mobile.isEmpty()){
        JOptionPane.showMessageDialog(this,"Please enter Mobile Number");
    }
    else{
        try
        {
            Class.forName("java.sql.DriverManager");
            Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/aditya","root","lions");
            Statement stmt = (Statement) con.createStatement();

```

```

        String query;
        if(title != null)
        {
            query = "update login set dob = " + dob + ", mobile = " + Integer.parseInt(mobile) + ",
title = " + title + " where password is null;";
        }
        else
        {
            query = "update login set dob = " + dob + ", mobile = " + Integer.parseInt(mobile) + ",
title = NULL where password is null;";
        }
        stmt.executeUpdate(query);
        signUp3 a = new signUp3();
        a.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}
}

```

```

private void yearActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void monthItemStateChanged(java.awt.event.ItemEvent evt) {
    day.removeAllItems();
    int yearValue = Integer.parseInt(year.getSelectedItem().toString());
    boolean leap = false;
    System.out.println(yearValue);

```

```

    if(yearValue % 4 == 0)
    {
        leap = true;
    }
    if(yearValue % 100 == 0)
    {
        leap = false;
    }
    if(yearValue % 400 == 0)
    {
        leap = true;
    }

```

```

    for(int i = 1; i <= 28; i++)
    {
        if(i < 10)
        {
            day.addItem("0" + i);
        }
        else
        {
            day.addItem(i + "");
        }
    }
}

```

```
    }  
  }  
  
  switch(month.getSelectedIndex())  
  {  
    case 0:  
  
      day.addItem("29");  
      day.addItem("30");  
      day.addItem("31");  
      break;  
  
    case 1:  
      if(leap == true)  
      {  
        day.addItem("29");  
      }  
      break;  
  
    case 2:  
  
      day.addItem("29");  
      day.addItem("30");  
      day.addItem("31");  
      break;  
  
    case 3:  
  
      day.addItem("29");  
      day.addItem("30");  
      break;  
  
    case 4:  
  
      day.addItem("29");  
      day.addItem("30");  
      day.addItem("31");  
      break;  
  
    case 5:  
  
      day.addItem("29");  
      day.addItem("30");  
      break;  
  
    case 6:  
  
      day.addItem("29");  
      day.addItem("30");  
      day.addItem("31");  
      break;  
  
    case 7:  
  
      day.addItem("29");
```

```

        day.addItem("30");
        day.addItem("31");
        break;

    case 8:

        day.addItem("29");
        day.addItem("30");
        break;

    case 9:

        day.addItem("29");
        day.addItem("30");
        day.addItem("31");
        break;

    case 10:

        day.addItem("29");
        day.addItem("30");
        break;

    case 11:

        day.addItem("29");
        day.addItem("30");
        day.addItem("31");
        break;

    default:
        JOptionPane.showMessageDialog(this, "Please enter month");
}
}

private void yearItemStateChanged(java.awt.event.ItemEvent evt) {
    day.removeAllItems();
    int yearValue = Integer.parseInt(year.getSelectedItem().toString());
    boolean leap = false;
    System.out.println(yearValue);

    if(yearValue % 4 == 0)
    {
        leap = true;
    }
    if(yearValue % 100 == 0)
    {
        leap = false;
    }
    if(yearValue % 400 == 0)
    {
        leap = true;
    }
}

```

```
for(int i = 1; i <= 28; i++)
{
    if(i < 10)
    {
        day.addItem("0" + i);
    }
    else
    {
        day.addItem(i + "");
    }
}

switch(month.getSelectedIndex())
{
    case 0:

        day.addItem("29");
        day.addItem("30");
        day.addItem("31");
        break;

    case 1:
        if(leap == true)
        {
            day.addItem("29");
        }
        break;

    case 2:

        day.addItem("29");
        day.addItem("30");
        day.addItem("31");
        break;

    case 3:

        day.addItem("29");
        day.addItem("30");
        break;

    case 4:

        day.addItem("29");
        day.addItem("30");
        day.addItem("31");
        break;

    case 5:

        day.addItem("29");
        day.addItem("30");
        break;
```

```

        case 6:

            day.addItem("29");
            day.addItem("30");
            day.addItem("31");
            break;

        case 7:

            day.addItem("29");
            day.addItem("30");
            day.addItem("31");
            break;

        case 8:

            day.addItem("29");
            day.addItem("30");
            break;

        case 9:

            day.addItem("29");
            day.addItem("30");
            day.addItem("31");
            break;

        case 10:

            day.addItem("29");
            day.addItem("30");
            break;

        case 11:

            day.addItem("29");
            day.addItem("30");
            day.addItem("31");
            break;

        default:
            JOptionPane.showMessageDialog(this, "Please enter month");
    }
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "delete from login where password is null;";
        stmt.executeUpdate(query);
    }
}

```



```

        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    <!-- editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) -->
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
    * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(signUp2.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(signUp2.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(signUp2.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(signUp2.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
}
</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new signUp2().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JComboBox<String> combo4;

```

```
private javax.swing.JComboBox<String> day;
private javax.swing.JTextField field;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JComboBox<String> month;
private javax.swing.JButton next;
private javax.swing.JComboBox<String> year;
// End of variables declaration
}
```

SignUp3:

Username :

Password :

Confirm Password :

Done Cancel

```
import java.sql.*;
import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author ckume
 */
public class signUp3 extends javax.swing.JFrame {

    /**
     * Creates new form signUp3
     */
    public signUp3() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
```

```

jLabel1 = new javax.swing.JLabel();
field = new javax.swing.JTextField();
field2 = new javax.swing.JTextField();
field3 = new javax.swing.JTextField();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
button = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DO_NOTHING_ON_CLOSE);

jLabel1.setText("Username :");

field.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        fieldActionPerformed(evt);
    }
});

field3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        field3ActionPerformed(evt);
    }
});

jLabel2.setText("Password :");

jLabel3.setText("Confirm Password :");

button.setText("Done");
button.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        buttonActionPerformed(evt);
    }
});

jButton2.setText("Cancel");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(39, 39, 39)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
            .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```

```

        .addComponent(jLabel3)
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
            .addGap(6, 6, 6)
            .addComponent(button, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 82,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(82, 82, 82))
        .addGroup(layout.createSequentialGroup())
            .addGap(36, 36, 36)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(field3)
        .addComponent(field2)
        .addComponent(field, javax.swing.GroupLayout.PREFERRED_SIZE, 344,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGap(46, 46, 46))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
            .addGap(61, 61, 61)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(field, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(56, 56, 56)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(field2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 69,
Short.MAX_VALUE)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(field3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel3))
            .addGap(51, 51, 51)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(button)
                .addComponent(jButton2))
            .addGap(60, 60, 60))
    );

    pack();
} // </editor-fold>

private void fieldActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void field3ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

}

private void buttonActionPerformed(java.awt.event.ActionEvent evt) {
    String username = field.getText();
    String password = field2.getText();
    if(password.equals(field3.getText()))
    {
        password = field2.getText();

        if(password.contains(" "))
        {
            JOptionPane.showMessageDialog(this, "Password has an empty space. Please enter a
suitable password.");
        }
        else if(password.length() < 8)
        {
            int ans = JOptionPane.showConfirmDialog(this,"Password is too short.\nThis might not be
safe.\nDo you want to go ahead?","SHORT PASSWORD!", JOptionPane.YES_NO_OPTION,
JOptionPane.WARNING_MESSAGE);
            if(ans == JOptionPane.NO_OPTION)
            {
                JOptionPane.showMessageDialog(this, "Please re-enter a suitable password.");
            }
            else if(ans == JOptionPane.YES_OPTION)
            {
                try
                {
                    Class.forName("java.sql.DriverManager");
                    Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
                    Statement stmt = (Statement) con.createStatement();
                    String query = "update login set username = " + username + ", password = " +
password + " where password is null;";
                    stmt.executeUpdate(query);
                    dispose();
                    JOptionPane.showMessageDialog(null, "Your account has been successfully
created!");
                }
                catch(Exception e)
                {
                    JOptionPane.showMessageDialog(this, e.getMessage());
                }
            }
        }
    }
    else
    {
        try
        {
            Class.forName("java.sql.DriverManager");
            Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
            Statement stmt = (Statement) con.createStatement();
            String query = "update login set username = " + username + ", password = " + password +
" where password is null;";

```

```

        stmt.executeUpdate(query);
        dispose();
        JOptionPane.showMessageDialog(null, "Your account has been successfully created!");
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}
else
{
    JOptionPane.showMessageDialog(this, "Password doesn't match. Please enter a suitable
password.");
}
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "delete from login where password is null;";
        stmt.executeUpdate(query);

        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
    * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    }
    catch (ClassNotFoundException ex) {

```

```

java.util.logging.Logger.getLogger(signUp3.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(signUp3.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(signUp3.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(signUp3.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
//</editor-fold>

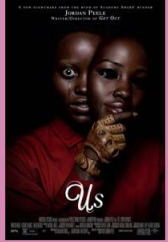

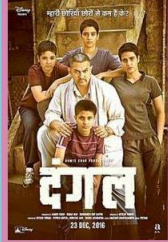









/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new signUp3().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton button;
private javax.swing.JTextField field;
private javax.swing.JTextField field2;
private javax.swing.JTextField field3;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
// End of variables declaration
}

```


Menu:

NAME :	THE LION KING	<i>From Disney Live Action, director Jon Favreau's all-new "The Lion King" journeys to the African savanna where a future king is born. Simba idolizes his father, King Mufasa, and takes to heart his own royal destiny. But not everyone in the kingdom celebrates the new cub's arrival. Scar, Mufasa's brother-and former heir to the throne-has plans of his own. The battle for Pride Rock is ravaged with betrayal, tragedy and drama, ultimately resulting in Simba's exile. With help from a curious pair of newfound friends, Simba will have to figure out how to grow up and take back what is rightfully his.</i>
RATING :	PG	
LENGTH :	110 minutes	
GENRE :	Adventure, Animation	

					
					
SHOWTIMES	SHOWTIMES	SHOWTIMES	SHOWTIMES	SHOWTIMES	SHOWTIMES

```
import java.awt.Font;
import java.sql.*;
import javax.swing.*;
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author ckume
 */
public class menu extends javax.swing.JFrame {
    JFrame frame = new JFrame();
    Font pt = new Font("PT Serif",Font.ITALIC,22);

    /**
     * Creates new form menu
     */
    public menu() {
        initComponents();
        nameTitle.setVisible(false);
        ratingTitle.setVisible(false);
        lengthTitle.setVisible(false);
        genreTitle.setVisible(false);
    }
}
```

```

/* setTitle("Hello");
setVisible(true);
setSize(400,650);
lab.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\us.jpg"));
pan.add(lab);

add(pan);

validate();
*/
}

/**
 * This method is called from within the constructor to initialise the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jScrollPane1 = new javax.swing.JScrollPane();
    information = new javax.swing.JTextArea();
    ratingTitle = new javax.swing.JLabel();
    rating = new javax.swing.JLabel();
    lengthTitle = new javax.swing.JLabel();
    genreTitle = new javax.swing.JLabel();
    nameTitle = new javax.swing.JLabel();
    name = new javax.swing.JLabel();
    length = new javax.swing.JLabel();
    genre = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jPanel3 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    info = new javax.swing.JLabel();
    jPanel4 = new javax.swing.JPanel();
    jLabel6 = new javax.swing.JLabel();
    info2 = new javax.swing.JLabel();
    jPanel5 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    info3 = new javax.swing.JLabel();
    jPanel6 = new javax.swing.JPanel();
    info4 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jPanel7 = new javax.swing.JPanel();
    jLabel4 = new javax.swing.JLabel();
    info5 = new javax.swing.JLabel();
    jPanel8 = new javax.swing.JPanel();
    jLabel5 = new javax.swing.JLabel();
    info6 = new javax.swing.JLabel();
    time = new javax.swing.JLabel();
    time2 = new javax.swing.JLabel();
    time3 = new javax.swing.JLabel();

```

```

time4 = new javax.swing.JLabel();
time5 = new javax.swing.JLabel();
time6 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setBackground(new java.awt.Color(28, 169, 201));
setForeground(new java.awt.Color(28, 169, 201));

jPanel1.setBackground(new java.awt.Color(15, 32, 67));

information.setEditable(false);
information.setBackground(new java.awt.Color(15, 32, 67));
information.setColumns(20);
information.setFont(new java.awt.Font("Segoe UI Black", 1, 22)); // NOI18N
information.setForeground(new java.awt.Color(255, 255, 255));
information.setLineWrap(true);
information.setRows(5);
information.setText("\n\n\t\tCLICK ON THE INFORMATION BUTTON.");
information.setToolTipText("");
information.setWrapStyleWord(true);
information.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(255, 255, 255), 2, true), "INFORMATION",
javax.swing.border.TitledBorder.LEFT, javax.swing.border.TitledBorder.DEFAULT_POSITION,
new java.awt.Font("Century Gothic", 1, 26), new java.awt.Color(255, 255, 255))); // NOI18N
information.setOpaque(false);
jScrollPane1.setViewportViewView(information);

ratingTitle.setFont(new java.awt.Font("Century Gothic", 1, 20)); // NOI18N
ratingTitle.setForeground(new java.awt.Color(255, 255, 255));
ratingTitle.setText("RATING :");

rating.setFont(new java.awt.Font("Comic Sans MS", 1, 20)); // NOI18N
rating.setForeground(new java.awt.Color(255, 255, 255));

lengthTitle.setFont(new java.awt.Font("Century Gothic", 1, 20)); // NOI18N
lengthTitle.setForeground(new java.awt.Color(255, 255, 255));
lengthTitle.setText("LENGTH :");

genreTitle.setFont(new java.awt.Font("Century Gothic", 1, 20)); // NOI18N
genreTitle.setForeground(new java.awt.Color(255, 255, 255));
genreTitle.setText("GENRE :");

nameTitle.setFont(new java.awt.Font("Century Gothic", 1, 20)); // NOI18N
nameTitle.setForeground(new java.awt.Color(255, 255, 255));
nameTitle.setText("NAME :");

name.setFont(new java.awt.Font("Comic Sans MS", 1, 20)); // NOI18N
name.setForeground(new java.awt.Color(255, 255, 255));

length.setFont(new java.awt.Font("Comic Sans MS", 1, 20)); // NOI18N
length.setForeground(new java.awt.Color(255, 255, 255));

genre.setFont(new java.awt.Font("Comic Sans MS", 1, 20)); // NOI18N
genre.setForeground(new java.awt.Color(255, 255, 255));

```

```

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                jPanel1Layout.createSequentialGroup()
                    .addGap(82, 82, 82)

                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(nameTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE, 270,
                                javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(lengthTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(length, javax.swing.GroupLayout.PREFERRED_SIZE, 270,
                                javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(ratingTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(rating, javax.swing.GroupLayout.PREFERRED_SIZE, 270,
                                javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addComponent(genreTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 158,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(genre, javax.swing.GroupLayout.PREFERRED_SIZE, 270,
                                javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 109,
                        Short.MAX_VALUE)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 820,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(49, 49, 49))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 281,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                    .addComponent(nameTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                                        javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(name, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(31, 31, 31)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(ratingTitle, javax.swing.GroupLayout.PREFERRED_SIZE,
36, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(rating, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(30, 30, 30)
        .addComponent(lengthTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(length, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(26, 26, 26)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(genreTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(genre, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(32, Short.MAX_VALUE)
    );

    jPanel2.setBackground(new java.awt.Color(122, 207, 221));

    jPanel3.setBackground(new java.awt.Color(215, 137, 179));
    jPanel3.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(215, 137,
179), 2));

    jLabel1.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\us.jpg"));
// NOI18N

    info.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png")); //
NOI18N
    info.setText("jLabel7");
    info.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            infoMouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            infoMouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            infoMouseExited(evt);
        }
    });

    javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
    jPanel3.setLayout(jPanel3Layout);
    jPanel3Layout.setHorizontalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addComponent(ratingTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(rating, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addComponent(lengthTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(length, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            )
            .addGap(30, 30, 30)
            .addComponent(genreTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(genre, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(32, true)
        );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(ratingTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(rating, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(30, 30, 30)
            .addComponent(lengthTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(length, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(30, 30, 30)
            .addComponent(genreTitle, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(genre, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(32, true)
        );
}

private void infoMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
}

private void infoMouseEntered(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
}

private void infoMouseExited(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
}
}

```

```

        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(88, 88, 88)
            .addComponent(info, javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap()
    );
    jPanel3Layout.setVerticalGroup(
        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 300,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(35, 35, 35)
                .addComponent(info, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
            );

    jPanel4.setBackground(new java.awt.Color(215, 137, 179));
    jPanel4.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(215, 137,
179), 2));

    jLabel6.setBackground(new java.awt.Color(213, 164, 88));
    jLabel6.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\endgame.jpg")); // NOI18N
    jLabel6.setText("jLabel1");

    info2.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
// NOI18N
    info2.setText("qwerty");
    info2.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            info2MouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            info2MouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            info2MouseExited(evt);
        }
    });

    javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);
    jPanel4Layout.setHorizontalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel4Layout.createSequentialGroup()

```

```
        .addGap(88, 88, 88)
        .addComponent(info2, javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel4Layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap()
    );
    JPanel4Layout.setVerticalGroup(
    JPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel4Layout.createSequentialGroup())
    .addContainerGap()
    .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 300,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(35, 35, 35)
    .addComponent(info2, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap()
    );

    JPanel5.setBackground(new java.awt.Color(215, 137, 179));
    JPanel5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(215, 137,
179), 2));

    JLabel2.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\dangal.jpg")); // NOI18N
    JLabel2.setText("jLabel1");

    info3.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
// NOI18N
    info3.setText("jLabel7");
    info3.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            info3MouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            info3MouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            info3MouseExited(evt);
        }
    });

    javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
    jPanel5.setLayout(jPanel5Layout);
    jPanel5Layout.setHorizontalGroup(
        jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel5Layout.createSequentialGroup()
                    .addGroup(jPanel5Layout.createSequentialGroup()
                        .addGap(88, 88, 88)
                        .addComponent(info3, javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```

        .addGroup(jPanel5Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap()
    );
    jPanel5Layout.setVerticalGroup(
        jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel5Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 300,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(35, 35, 35)
                .addComponent(info3, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap()
            );

    jPanel6.setBackground(new java.awt.Color(215, 137, 179));
    jPanel6.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(215, 137,
179), 2));

    info4.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
// NOI18N
    info4.setText("jLabel7");
    info4.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            info4MouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            info4MouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            info4MouseExited(evt);
        }
    });

    jLabel3.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\lionking.jpg")); // NOI18N
    jLabel3.setText("jLabel1");

    javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
    jPanel6.setLayout(jPanel6Layout);
    jPanel6Layout.setHorizontalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addGap(88, 88, 88)
                .addComponent(info4, javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(21, 21, 21))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel6Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)

```



```

        .addContainerGap()
    );
    jPanel6Layout.setVerticalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel6Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 300,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(35, 35, 35)
            .addComponent(info4, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap()
        );

    jPanel7.setBackground(new java.awt.Color(215, 137, 179));
    jPanel7.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(215, 137,
179), 2));

    jLabel4.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\lucifer.jpg")); // NOI18N
    jLabel4.setText("jLabel1");

    info5.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
// NOI18N
    info5.setText("jLabel7");
    info5.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            info5MouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            info5MouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            info5MouseExited(evt);
        }
    });

    javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);
    jPanel7.setLayout(jPanel7Layout);
    jPanel7Layout.setHorizontalGroup(
        jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel7Layout.createSequentialGroup()
            .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel7Layout.createSequentialGroup()
                    .addGroup(jPanel7Layout.createSequentialGroup()
                        .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel7Layout.createSequentialGroup()
                                .addContainerGap()
                                .addComponent(info5, javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addGroup(jPanel7Layout.createSequentialGroup()
                                    .addContainerGap()
                                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addContainerGap()
                        )
                    )
                )
            )
        );
    jPanel7Layout.setVerticalGroup(

```



```

        .addComponent(jLabel15, javax.swing.GroupLayout.PREFERRED_SIZE, 300,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(35, 35, 35)
        .addComponent(info6, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap()
    );

    time.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\showtimes.png")); // NOI18N
    time.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            timeMouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            timeMouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            timeMouseExited(evt);
        }
    });

    time2.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\showtimes.png")); // NOI18N
    time2.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            time2MouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            time2MouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            time2MouseExited(evt);
        }
    });

    time3.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\showtimes.png")); // NOI18N
    time3.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            time3MouseClicked(evt);
        }
        public void mouseEntered(java.awt.event.MouseEvent evt) {
            time3MouseEntered(evt);
        }
        public void mouseExited(java.awt.event.MouseEvent evt) {
            time3MouseExited(evt);
        }
    });

    time4.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\showtimes.png")); // NOI18N
    time4.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            time4MouseClicked(evt);

```

```

    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        time4MouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        time4MouseExited(evt);
    }
});

time5.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\showtimes.png")); // NOI18N
time5.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        time5MouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        time5MouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        time5MouseExited(evt);
    }
});

time6.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\showtimes.png")); // NOI18N
time6.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        time6MouseClicked(evt);
    }
    public void mouseEntered(java.awt.event.MouseEvent evt) {
        time6MouseEntered(evt);
    }
    public void mouseExited(java.awt.event.MouseEvent evt) {
        time6MouseExited(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
                false)
                .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(time, javax.swing.GroupLayout.PREFERRED_SIZE, 228,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
                false)
                .addComponent(time5, javax.swing.GroupLayout.PREFERRED_SIZE, 228,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(time6, javax.swing.GroupLayout.PREFERRED_SIZE, 228,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(18, Short.MAX_VALUE))
);

```

```

        .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(time2, javax.swing.GroupLayout.PREFERRED_SIZE, 228,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(jPanel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(time3, javax.swing.GroupLayout.PREFERRED_SIZE, 228,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(jPanel6, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(time4, javax.swing.GroupLayout.PREFERRED_SIZE, 228,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(jPanel7, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(time5, javax.swing.GroupLayout.PREFERRED_SIZE, 228,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(jPanel8, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(time6, javax.swing.GroupLayout.PREFERRED_SIZE, 228,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel2Layout.createSequentialGroup()
.addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jPanel8, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jPanel7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jPanel5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(time, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(time2, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(time3, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(time4, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(time5, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(time6, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(117, Short.MAX_VALUE)
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    );

    pack();
} // </editor-fold>

private void infoMouseClicked(java.awt.event.MouseEvent evt) {
    nameTitle.setVisible(true);
    ratingTitle.setVisible(true);
    lengthTitle.setVisible(true);
    genreTitle.setVisible(true);
    name.setText("US");
    rating.setText("R");
    length.setText("116 minutes");
    genre.setText("Horror, Mystery, Thriller");
    information.setFont(pt);
    information.setText("\nA family's serene beach vacation turns to chaos when their doppelgängers
appear and begin to terrorize them.");
}

```

```

}

private void timeMouseClicked(java.awt.event.MouseEvent evt) {
    String movie = "Us";
    int cinema = 1;

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "update ticket set movie = " + movie + ", cinema = " + cinema + " where
Cardnumber is null;";
        stmt.executeUpdate(query);

        usTimings a = new usTimings();
        a.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
}

private void infoMouseEntered(java.awt.event.MouseEvent evt) {
    info.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\infoInv.png"));
}

private void infoMouseExited(java.awt.event.MouseEvent evt) {
    info.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
}

private void timeMouseEntered(java.awt.event.MouseEvent evt) {
    time.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimesInv.png"));
}

private void timeMouseExited(java.awt.event.MouseEvent evt) {
    time.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimes.png"));
}

private void time2MouseClicked(java.awt.event.MouseEvent evt) {
    String movie = "Avengers: Endgame";
    int cinema = 2;

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "update ticket set movie = " + movie + ", cinema = " + cinema + " where
Cardnumber is null;";
        stmt.executeUpdate(query);

```

```

        usTimings a = new usTimings();
        a.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
}

private void time3MouseClicked(java.awt.event.MouseEvent evt) {
    String movie = "Dangal";
    int cinema = 3;

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "update ticket set movie = " + movie + ", cinema = " + cinema + " where
Cardnumber is null;";
        stmt.executeUpdate(query);

        usTimings a = new usTimings();
        a.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
}

private void time4MouseClicked(java.awt.event.MouseEvent evt) {
    String movie = "The Lion King";
    int cinema = 4;

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "update ticket set movie = " + movie + ", cinema = " + cinema + " where
Cardnumber is null;";
        stmt.executeUpdate(query);

        usTimings a = new usTimings();
        a.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {

```



```

        JOptionPane.showMessageDialog(this,e.getMessage());
    }
}

private void time5MouseClicked(java.awt.event.MouseEvent evt) {
    String movie = "Lucifer";
    int cinema = 5;

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "update ticket set movie = " + movie + ", cinema = " + cinema + " where
Cardnumber is null;";
        stmt.executeUpdate(query);

        usTimings a = new usTimings();
        a.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
}

private void time6MouseClicked(java.awt.event.MouseEvent evt) {
    String movie = "Mission Impossible: Fallout";
    int cinema = 6;

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "update ticket set movie = " + movie + ", cinema = " + cinema + " where
Cardnumber is null;";
        stmt.executeUpdate(query);

        usTimings a = new usTimings();
        a.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
}

private void time2MouseEntered(java.awt.event.MouseEvent evt) {
    time2.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimesInv.png"));
}

```

```

private void time5MouseEntered(java.awt.event.MouseEvent evt) {
    time5.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimesInv.png"));
}

private void time3MouseEntered(java.awt.event.MouseEvent evt) {
    time3.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimesInv.png"));
}

private void time4MouseEntered(java.awt.event.MouseEvent evt) {
    time4.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimesInv.png"));
}

private void time6MouseEntered(java.awt.event.MouseEvent evt) {
    time6.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimesInv.png"));
}

private void time2MouseExited(java.awt.event.MouseEvent evt) {
    time2.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimes.png"));
}

private void time3MouseExited(java.awt.event.MouseEvent evt) {
    time3.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimes.png"));
}

private void time4MouseExited(java.awt.event.MouseEvent evt) {
    time4.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimes.png"));
}

private void time5MouseExited(java.awt.event.MouseEvent evt) {
    time5.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimes.png"));
}

private void time6MouseExited(java.awt.event.MouseEvent evt) {
    time6.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\showtimes.png"));
}

private void info2MouseEntered(java.awt.event.MouseEvent evt) {
    info2.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\infoInv.png"));
}

private void info2MouseExited(java.awt.event.MouseEvent evt) {
    info2.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
}

private void info3MouseEntered(java.awt.event.MouseEvent evt) {
    info3.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\infoInv.png"));
}

private void info3MouseExited(java.awt.event.MouseEvent evt) {
    info3.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
}

private void info4MouseEntered(java.awt.event.MouseEvent evt) {
    info4.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\infoInv.png"));
}

```

```

}

private void info4MouseExited(java.awt.event.MouseEvent evt) {
    info4.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
}

private void info5MouseEntered(java.awt.event.MouseEvent evt) {
    info5.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\infoInv.png"));
}

private void info5MouseExited(java.awt.event.MouseEvent evt) {
    info5.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
}

private void info6MouseExited(java.awt.event.MouseEvent evt) {
    info6.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\info.png"));
}

private void info6MouseEntered(java.awt.event.MouseEvent evt) {
    info6.setIcon(new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\infoInv.png"));
}

private void info2MouseClicked(java.awt.event.MouseEvent evt) {
    nameTitle.setVisible(true);
    ratingTitle.setVisible(true);
    lengthTitle.setVisible(true);
    genreTitle.setVisible(true);
    name.setText("AVENGERS: ENDGAME");
    rating.setText("PG-13");
    length.setText("182 minutes");
    genre.setText("Action, Science Fiction");
    information.setFont(pt);
    information.setText("\nThe grave course of events set in motion by Thanos that wiped out half
the universe and fractured the Avengers ranks compels the remaining Avengers to take one final stand
in Marvel Studios' grand conclusion to twenty-two films, Avengers: Endgame.");
}

private void info3MouseClicked(java.awt.event.MouseEvent evt) {
    nameTitle.setVisible(true);
    ratingTitle.setVisible(true);
    lengthTitle.setVisible(true);
    genreTitle.setVisible(true);
    name.setText("DANGAL");
    rating.setText("NR");
    length.setText("155 minutes");
    genre.setText("Drama, Sports & Fitness");
    information.setFont(pt);
    information.setText("\nDangal ('Wrestling') revolves around the extraordinary life of Mahavir
Singh, an ex-wrestler who is forced to give up his dreams of winning gold for India in international
wrestling due to lack of financial support.");
}

private void info4MouseClicked(java.awt.event.MouseEvent evt) {
    nameTitle.setVisible(true);
    ratingTitle.setVisible(true);

```

```

lengthTitle.setVisible(true);
genreTitle.setVisible(true);
name.setText("THE LION KING");
rating.setText("PG");
length.setText("110 minutes");
genre.setText("Adventure, Animation");
information.setFont(pt);
information.setText("\nFrom Disney Live Action, director Jon Favreau's all-new \"The Lion
King\" journeys to the African savanna where a future king is born. Simba idolizes his father, King
Mufasa, and takes to heart his own royal destiny. But not everyone in the kingdom celebrates the new
cub's arrival. Scar, Mufasa's brother-and former heir to the throne-has plans of his own. The battle for
Pride Rock is ravaged with betrayal, tragedy and drama, ultimately resulting in Simba's exile. With
help from a curious pair of newfound friends, Simba will have to figure out how to grow up and take
back what is rightfully his. ");
}

private void info5MouseClicked(java.awt.event.MouseEvent evt) {
    nameTitle.setVisible(true);
    ratingTitle.setVisible(true);
    lengthTitle.setVisible(true);
    genreTitle.setVisible(true);
    name.setText("LUCIFER");
    rating.setText("NR");
    length.setText("174 minutes");
    genre.setText("Action, Adventure, Thriller");
    information.setFont(pt);
    information.setText("\nThe events that unfold following the death of a politician and the rise of a
new leader.");
}

private void info6MouseClicked(java.awt.event.MouseEvent evt) {
    nameTitle.setVisible(true);
    ratingTitle.setVisible(true);
    lengthTitle.setVisible(true);
    genreTitle.setVisible(true);
    name.setText("MISSION IMPOSSIBLE: FALLOUT");
    rating.setText("PG-13");
    length.setText("147 minutes");
    genre.setText("Action, Mystery, Suspense");
    information.setFont(pt);
    information.setText("\nThe best intentions often come back to haunt you. MISSION:
IMPOSSIBLE - FALLOUT finds Ethan Hunt (Tom Cruise) and his IMF team (Alec Baldwin, Simon
Pegg, Ving Rhames) along with some familiar allies (Rebecca Ferguson, Michelle Monaghan) in a
race against time after a mission gone wrong. Henry Cavill, Angela Bassett, and Vanessa Kirby also
join the dynamic cast with filmmaker Christopher McQuarrie returning to the helm.");
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

```

```

    * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
java.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(menu.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(menu.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(menu.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(menu.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    }
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new menu().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JLabel genre;
private javax.swing.JLabel genreTitle;
private javax.swing.JLabel info;
private javax.swing.JLabel info2;
private javax.swing.JLabel info3;
private javax.swing.JLabel info4;
private javax.swing.JLabel info5;
private javax.swing.JLabel info6;
private javax.swing.JTextArea information;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;

```

```
private javax.swing.JPanel jPanel3;  
private javax.swing.JPanel jPanel4;  
private javax.swing.JPanel jPanel5;  
private javax.swing.JPanel jPanel6;  
private javax.swing.JPanel jPanel7;  
private javax.swing.JPanel jPanel8;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JLabel length;  
private javax.swing.JLabel lengthTitle;  
private javax.swing.JLabel name;  
private javax.swing.JLabel nameTitle;  
private javax.swing.JLabel rating;  
private javax.swing.JLabel ratingTitle;  
private javax.swing.JLabel time;  
private javax.swing.JLabel time2;  
private javax.swing.JLabel time3;  
private javax.swing.JLabel time4;  
private javax.swing.JLabel time5;  
private javax.swing.JLabel time6;  
// End of variables declaration  
}
```

Timings:



```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.time.LocalDate;
import java.time.LocalTime;
import javax.swing.JOptionPane;
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author ckume
 */
public class usTimings extends javax.swing.JFrame {
    String k;
    seatSelection seatSelect = new seatSelection();//WHAT IS THIS? -----> Creates frame object
    named seatSelect.
    /**
     * Creates new form usTimings
     */
    public usTimings() {
        initComponents();

        LocalDate date = LocalDate.now();

        int day = date.getDayOfMonth();
        String dayName = date.getDayOfWeek().toString();

        combo.removeAllItems();
```

```

while(combo.getItemCount() < 7)
{
    combo.addItem(date + ", " + dayName);
    date = date.plusDays(1);
    dayName = date.getDayOfWeek().toString();
}

dayName = date.getDayOfWeek().toString(); // Check whether line is needed.
}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    button = new javax.swing.JPanel();
    jButton1 = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    combo = new javax.swing.JComboBox<>();
    jPanel3 = new javax.swing.JPanel();
    combo2 = new javax.swing.JComboBox<>();

    setDefaultCloseOperation(javax.swing.WindowConstants.DO_NOTHING_ON_CLOSE);

    jButton1.setText("PRESS");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout buttonLayout = new javax.swing.GroupLayout(button);
    button.setLayout(buttonLayout);
    buttonLayout.setHorizontalGroup(
        buttonLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(buttonLayout.createSequentialGroup()
                .addGap(586, 586, 586)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 272,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    buttonLayout.setVerticalGroup(
        buttonLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(buttonLayout.createSequentialGroup()
                .addGap(51, 51, 51)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 66,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(53, Short.MAX_VALUE))
    );
}

```



```

combo.setBackground(new java.awt.Color(255, 51, 102));
combo.setFont(new java.awt.Font("Comic Sans MS", 1, 18)); // NOI18N
combo.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Item 1", "Item
2", "Item 3", "Item 4" }));
combo.addItemListener(new java.awt.event.ItemListener() {
    public void itemStateChanged(java.awt.event.ItemEvent evt) {
        comboItemStateChanged(evt);
    }
});
combo.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        comboActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(26, 26, 1)
            .addComponent(combo, javax.swing.GroupLayout.PREFERRED_SIZE, 372,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(26, 26, 1)
        )
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(51, 51, 1)
            .addComponent(combo, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(30, 30, 1)
        )
);

combo2.setBackground(new java.awt.Color(255, 51, 102));
combo2.setFont(new java.awt.Font("Comic Sans MS", 1, 18)); // NOI18N
combo2.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Item 1", "Item
2", "Item 3", "Item 4" }));

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(26, 26, 1)
            .addComponent(combo2, javax.swing.GroupLayout.PREFERRED_SIZE, 372,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(26, 26, 1)
        )
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(51, 51, 1)
            .addComponent(combo2, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(30, 30, 1)
        )
);

```

```

        .addComponent(combo2, javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap()
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(button, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 52,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addContainerGap(1323, Short.MAX_VALUE))
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(189, 189, 189))))
    );

    layout.linkSize(javax.swing.SwingConstants.HORIZONTAL, new java.awt.Component[]
{jPanel2, jPanel3});

    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addContainerGap(89, 89, 89)
                    .addComponent(jLabel1)
                    .addContainerGap(104, 104, 104)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(layout.createSequentialGroup()
                            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 250,
Short.MAX_VALUE)
                            .addComponent(button, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(layout.createSequentialGroup()
                            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(0, 0, Short.MAX_VALUE))))
                .addGap(0, 0, Short.MAX_VALUE))
    );

    layout.linkSize(javax.swing.SwingConstants.VERTICAL, new java.awt.Component[] {jPanel2,
jPanel3});

```

```

    pack();
} // </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    LocalDate date = LocalDate.now();
    int slot = 0;
    String dateStr = combo.getSelectedItemAt().toString().substring(0,10);
    dateStr = dateStr.replace("-", "_");
    k = "_" + combo2.getSelectedItemAt().toString().replace(":", "_");

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();

        String querySlot = "select Cinema from ticket where Cardnumber is null;";
        ResultSet rsSlot = stmt.executeQuery(querySlot);

        while(rsSlot.next())
        {
            slot = rsSlot.getInt("Cinema");
        }
        /*Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();-----> Only this was previous
State*/
        try
        {
            Class.forName("java.sql.DriverManager");
            Connection con2 =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
            Statement stmt2 = (Statement) con2.createStatement();

            String query = "select * from " + dateStr + k + "_Slot" + slot + ";";
            ResultSet rs = stmt2.executeQuery(query);
        }
        catch(SQLException e)
        {
            Class.forName("java.sql.DriverManager");
            Connection con3 =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
            Statement stmt3 = (Statement) con3.createStatement();

            String query = "create table " + dateStr + k + "_Slot" + slot + "(Seats varchar(3),
DisableSeats int);" ; // "Sunday" must be changed to dayName
            System.out.println(query);
            stmt3.executeUpdate(query);
            String insertSeat = "insert into " + dateStr + k + "_Slot" + slot + "(Seats) values "
                + "('a1'),('a2'),('a3'),('a4'),('a5'),('a6'),('a7'),('a8'),('a9'),('a10)',"
                + "('b1'),('b2'),('b3'),('b4'),('b5'),('b6'),('b7'),('b8'),('b9'),('b10)',"
                + "('c1'),('c2'),('c3'),('c4'),('c5'),('c6'),('c7'),('c8'),('c9'),('c10)',"
                + "('d1'),('d2'),('d3'),('d4'),('d5'),('d6'),('d7'),('d8'),('d9'),('d10)',"

```

```

        + "('e1'),('e2'),('e3'),('e4'),('e5'),('e6'),('e7'),('e8'),('e9'),('e10),"
        + "('f1'),('f2'),('f3'),('f4'),('f5'),('f6'),('f7'),('f8'),('f9'),('f10),"
        + "('g1'),('g2'),('g3'),('g4'),('g5'),('g6'),('g7'),('g8'),('g9'),('g10),"
        + "('h1'),('h2'),('h3'),('h4'),('h5'),('h6'),('h7'),('h8'),('h9'),('h10)";

        stmt3.executeUpdate(insertSeat);
    }

    String queryTemp = "insert into temp values('" + dateStr + k + "_Slot" + slot + "');"
    stmt.executeUpdate(queryTemp);

    String query = "update ticket set date = '" + dateStr + "', time = '" +
    combo2.getSelectedItem() + ":00' where Cardnumber is null;";
    stmt.executeUpdate(query);

    seatSelect.setVisible(true);
    dispose();
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(this,e.getMessage());
}
}

private void comboItemStateChanged(java.awt.event.ItemEvent evt) {

}

private void comboActionPerformed(java.awt.event.ActionEvent evt) {
    LocalDate date = LocalDate.now();
    LocalTime timeNow = LocalTime.now();
    LocalTime time;

    int value = combo.getSelectedIndex() + date.getDayOfWeek().getValue();
    String daySelect;

    combo2.removeAllItems();

    switch(value % 7)
    {
        case 0: daySelect = "Sunday";
            break;
        case 1: daySelect = "Monday";
            break;
        case 2: daySelect = "Tuesday";
            break;
        case 3: daySelect = "Wednesday";
            break;
        case 4: daySelect = "Thursday";
            break;
        case 5: daySelect = "Friday";
            break;
        case 6: daySelect = "Saturday";
            break;
        default:daySelect = "";
    }
}

```

```

    }
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "select Time from " + daySelect + " where Slot1 = 0;"; // "Sunday" must be
changed to
        System.out.println(query);
        ResultSet rs = stmt.executeQuery(query);

        while(rs.next())
        {
            time = rs.getTime("Time").toLocalTime();
            if(combo.getSelectedIndex() == 0)
            {
                if(timeNow.isBefore(time))
                {
                    combo2.addItem(time.toString());
                }
            }
            else
            {
                combo2.addItem(time.toString());
            }
        }
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this,e.getMessage());
    }
    if(combo2.getSelectedIndex() == -1)
    {
        combo2.addItem("<NONE>");
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
    * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    }
}

```

```

    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(usTimings.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(usTimings.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(usTimings.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

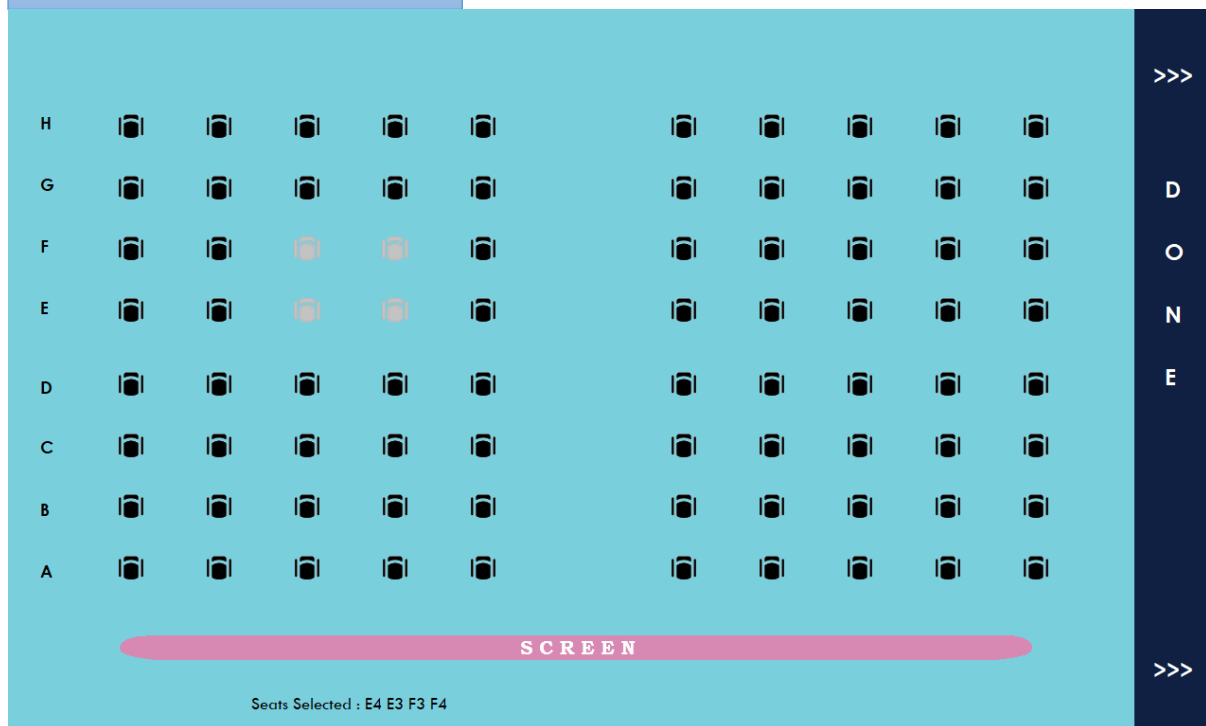
java.util.logging.Logger.getLogger(usTimings.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new usTimings().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JPanel button;
private javax.swing.JComboBox<String> combo;
private javax.swing.JComboBox<String> combo2;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
// End of variables declaration
}

```

SeatSelection:



```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.*;
```

```
/*
```

```
 * To change this license header, choose License Headers in Project Properties.
```

```
 * To change this template file, choose Tools | Templates
```

```
 * and open the template in the editor.
```

```
*/
```

```
/**
```

```
 *
```

```
 * @author ckume
```

```
*/
```

```
public class seatSelection extends javax.swing.JFrame {
```

```
    ImageIcon seat = new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\seat.png");
```

```
    ImageIcon select = new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\seatSelected.png");
```

```
    ImageIcon disable = new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\seatDisabled.png");
```

```
/**
```

```
 * Creates new form seatSelection
```

```
*/
```

```
public seatSelection() {
    initComponents();
}
```

```

panel.setVisible(false);
labelSeat.setVisible(false);
}

private void h1MouseClicked(java.awt.event.MouseEvent evt) {

    /*if(h1.getIcon().toString().equals(seat.toString()))
    {
        h1.setIcon(select);
    } WHY DOES THIS NOT WORK WITHOUT TOSTRING() */

    if(h1.getIcon().toString().equals(seat.toString()))
    {
        h1.setIcon(select);
        try
        {
            Class.forName("java.sql.DriverManager");
            Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
            Statement stmt = (Statement) con.createStatement();

            String selectSeats = "insert into tempSeats values('h1');";//-----
>tempSeats?
            stmt.executeUpdate(selectSeats);

            labelSeat.setVisible(true);
            labelSeat.setText(labelSeat.getText() + " " + "H1");
            panel.setVisible(true);
        }
        catch(Exception e)
        {
            JOptionPane.showMessageDialog(this, e.getMessage());
        }

    }
    /* WHY DOES THIS WORK HERE:
        |
        |
        \V
         V
    */
    else if(h1.getIcon().equals(select))
    {
        h1.setIcon(seat);
        try
        {
            Class.forName("java.sql.DriverManager");
            Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
            Statement stmt = (Statement) con.createStatement();

            String selectSeats = "delete from tempSeats where SelectedSeats ='h1'";
            stmt.executeUpdate(selectSeats);

```


labelSeat.setText((labelSeat.getText().replace(" H1", ""));//-----> Blank Space is Important.

```
    if(labelSeat.getText().equals("Seats Selected :"))
    {
        panel.setVisible(false);
        labelSeat.setVisible(false);
    }
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(this, e.getMessage());
}
}

private void panelMouseClicked(java.awt.event.MouseEvent evt) {
//HERE MAKE A CONDITION FOR SELECTION OF ATLEAST ONE SEAT.
System.out.println("a");
String k = "";
String seatSelected;
String query;
int count;
try
{
    Class.forName("java.sql.DriverManager");
    Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
    Statement stmt = (Statement) con.createStatement();

    String queryTemp = "select * from temp;";
    ResultSet table = stmt.executeQuery(queryTemp);
    System.out.println("b");
    while(table.next())
    {
        k = table.getString("TableName");
    }
    System.out.println("c");
    Statement stmt2 = (Statement) con.createStatement();
    String querySeatSelected = "select * from tempSeats";
    ResultSet seatSet = stmt2.executeQuery(querySeatSelected);
    System.out.println("d");
    Statement stmt3 = (Statement) con.createStatement();
    String countStr = "select count(SelectedSeats) from tempSeats";
    ResultSet rs = stmt3.executeQuery(countStr);
    System.out.println("e");

    Statement newStmt = (Statement) con.createStatement();

    while(rs.next())
    {
        count = rs.getInt("count(SelectedSeats)");
        for(int i = 1; i <= count; i++)
        {
            System.out.println("do");
            if(seatSet.next())
```

```

        {
            System.out.println("done");
            seatSelected = seatSet.getString("SelectedSeats").toUpperCase();
            String q = "update ticket set Seats = '" + seatSelected + "' where Seats is null;";
            newStmt.executeUpdate(q);

            String ticketCreateRows = "insert into ticket(Username, Movie, Cinema, Date, Time)"
                + "select Username, Movie, Cinema, Date, Time from ticket union "
                + "select Username, Movie, Cinema, Date, Time from ticket;";
            newStmt.executeUpdate(ticketCreateRows);
        }
    }
    String q = "delete from ticket where Seats is null;";
    newStmt.executeUpdate(q);
}
System.out.println("f");
seatSet.beforeFirst();
System.out.println("g");
while(seatSet.next())
{
    seatSelected = seatSet.getString("SelectedSeats");

    query = "update " + k + " set DisableSeats = 0 where Seats = '" + seatSelected + "';"; //Add
Seats here <-----
    System.out.println(query);
    newStmt.executeUpdate(query);
}
System.out.println("h");
review a = new review();
a.setVisible(true);
dispose();
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(this,e.getMessage());
}
}

private void formWindowOpened(java.awt.event.WindowEvent evt) {

    //NOTE THAT IT KEEPS ON RUNNING...

    String k = "";
    String seatName = "";
    boolean value = true;
    String seatList = "";

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();

        String queryTemp = "select * from temp;";

```

```

ResultSet table = stmt.executeQuery(queryTemp);
while(table.next())
{
    k = table.getString("TableName");
}
System.out.checkError();
String query = "select Seats from " + k + " where DisableSeats = 0;";
System.out.println(query);
ResultSet rs = stmt.executeQuery(query);
System.out.checkError();
for(char j = 'a'; j <= 'h'; j++)
{
    for(int i = 1; i <= 10;i++)
    {
        seatName = j + "" + i;

        while(rs.next())
        {
            seatList += rs.getString("Seats");
            System.out.println(seatList);
        }

    }
}
System.out.println(seatList);

if(seatList.contains("h1"))
{
    h1.setIcon(disable);
}
}
catch(Exception e)
{
    JOptionPane.showMessageDialog(this ,e.getMessage());
}
}

```

Review:


REVIEW

NAME : Mr. Nehemiah Alwyn

WHEN : 2020-01-24, Friday at 22:00

SCREEN : Cinema 4

SEATS : E4 E3 F3 F4



4 x Standard Tickets	210.0
----------------------	-------

TOTAL (Before Tax)	200.0
5 % VAT	10.0

ORDER TOTAL	210.0
--------------------	--------------

[NEXT](#)

```
import java.sql.*;
import java.time.*;
import java.time.format.TextStyle;
import javax.swing.*;
import java.util.*;
```

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
```

```
/**
```

```
 *
 * @author ckume
 */
```

```
public class review extends javax.swing.JFrame {
    Random rand = new Random();
    LocalDate date = LocalDate.now();
    LocalTime time = LocalTime.now();
    ImageIcon slot1 = new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\us.jpg");
    ImageIcon slot2 = new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\endgame.jpg");
    ImageIcon slot3 = new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\dangal.jpg");
    ImageIcon slot4 = new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\lionking.jpg");
    ImageIcon slot5 = new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\lucifer.jpg");
    ImageIcon slot6 = new ImageIcon("C:\\Users\\ckume\\Desktop\\IP Project\\fallout.jpg");
```

```

/**
 * Creates new form review
 */
public review() {
    initComponents();

    double totalValue; // For Cost.
    double vatValue;
    int numSeats = 0;

    int cinema = 0; // For Data.
    String dayName;
    String name = "";
    String seatList = "";
    String seatNo;
    String movieName = "";
    String title;

    //For Cost Calculation

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "select count(*) from tempSeats";
        ResultSet rs = stmt.executeQuery(query);

        while(rs.next())
        {
            numSeats = rs.getInt(1);
        }

        label.setText(numSeats + " x Standard Tickets");

        totalValue = numSeats * 50; // <-----Price Of the Ticket
        field.setText(totalValue * 1.05 + "");
        field2.setText(totalValue + "");

        vatValue = totalValue * 0.05;
        vat.setText(vatValue + "");

        total.setText(totalValue * 1.05 + "");

    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(null, e.getMessage());
    }

    //For Basic Movie Details

    try

```

```

    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "select * from tempSeats";
        ResultSet rs = stmt.executeQuery(query);

        while(rs.next())
        {
            seatNo = rs.getString("SelectedSeats");
            seatList += seatNo.toUpperCase() + " ";
        }

        seats.setText(seatList);

        String queryDelete = "Delete from tempSeats"; //Delete tempSeats rows
        stmt.executeUpdate(queryDelete);

        Statement stmtSlot = (Statement) con.createStatement();
        String querySlot = "select * from temp";
        ResultSet table = stmtSlot.executeQuery(querySlot);

        while(table.next())
        {
            movieName = table.getString("Tablename");
        }

//CODE BELOW CAN BE REPLACED BY INTRODUCING USAGE_OF_USER TABLE

        Statement stmtMain = (Statement) con.createStatement();
        query = "select Cinema,Date,Time,Title,FirstName,SurName from ticket,login where
ticket.Username = login.Username and CardNumber is null and log = 0;";
        rs = stmtMain.executeQuery(query);

        while(rs.next())
        {
            date = rs.getDate("Date").toLocaleDate();
            time = rs.getTime("Time").toLocaleTime();
            cinema = rs.getInt("Cinema");
            title = rs.getString("Title");
            if(title != null)
            {
                name = title + " " + rs.getString("FirstName") + " " + rs.getString("SurName");
            }
            else
            {
                name = rs.getString("FirstName") + " " + rs.getString("SurName");
            }
        }

        dayName = date.getDayOfWeek().getDisplayName(TextStyle.FULL, Locale.ROOT);

//CODE ABOVE CAN BE REPLACED BY INTRODUCING USAGE_OF_USER TABLE
//BELOW LINES DEPENDENT ON ABOVE SECTION-----> For Logo

```

```

        /*queryDelete = "Delete from temp"; //Delete temp rows, i.e the tablename
        stmt.executeUpdate(queryDelete);*/
        //int r = rand.nextInt(6) + 1; //CHANGE THIS <-----
    }
    user.setText(name);
    when.setText(date + ", " + dayName + " at " + time);
    screen.setText("Cinema " + cinema);

}
catch(Exception e)
{
    JOptionPane.showMessageDialog(null, e.getMessage());
}

if(movieName.contains("Slot1"))
{
    jLabel2.setIcon(slot1);
}
else if(movieName.contains("Slot2"))
{
    jLabel2.setIcon(slot2);
}
else if(movieName.contains("Slot3"))
{
    jLabel2.setIcon(slot3);
}
else if(movieName.contains("Slot4"))
{
    jLabel2.setIcon(slot4);
}
else if(movieName.contains("Slot5"))
{
    jLabel2.setIcon(slot5);
}
else if(movieName.contains("Slot6"))
{
    jLabel2.setIcon(slot6);
}
else
{
    JOptionPane.showMessageDialog(null, "No logo - Error");
}

}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

```

```

jLabel1 = new javax.swing.JLabel();
jPanel1 = new javax.swing.JPanel();
label4 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
field2 = new javax.swing.JTextField();
label = new javax.swing.JLabel();
label3 = new javax.swing.JLabel();
line = new javax.swing.JLabel();
field = new javax.swing.JTextField();
total = new javax.swing.JTextField();
label2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
vat = new javax.swing.JTextField();
jButton1 = new javax.swing.JButton();
jPanel2 = new javax.swing.JPanel();
jLabel2 = new javax.swing.JLabel();
jPanel3 = new javax.swing.JPanel();
jLabel7 = new javax.swing.JLabel();
screen = new javax.swing.JLabel();
when = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
seats = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
user = new javax.swing.JLabel();

jLabel1.setText("jLabel1");

setDefaultCloseOperation(javax.swing.WindowConstants.DO_NOTHING_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(122, 207, 221));

label4.setFont(new java.awt.Font("Tw Cen MT", 1, 24)); // NOI18N
label4.setText("ORDER TOTAL");

jLabel10.setText("-----
-----");

jLabel14.setText("-----
-----");

field2.setEditable(false);
field2.setText("0");

label.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N
label.setText("0 x Standard Tickets");

label3.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N
label3.setText("5 % VAT");

line.setText("-----
-----");

field.setEditable(false);

```



```

field.setText("0");
field.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        fieldActionPerformed(evt);
    }
});

total.setEditable(false);
total.setText("0");

label2.setFont(new java.awt.Font("Tw Cen MT", 0, 18)); // NOI18N
label2.setText("TOTAL (Before Tax)");

jLabel3.setFont(new java.awt.Font("Century Gothic", 1, 30)); // NOI18N
jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel3.setText("REVIEW");

vat.setEditable(false);
vat.setText("0");

jButton1.setBackground(new java.awt.Color(15, 32, 67));
jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton1.setForeground(new java.awt.Color(255, 255, 255));
jButton1.setText("NEXT");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jPanel2.setBackground(new java.awt.Color(215, 137, 179));

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
        )
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 300,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
        )
);

jPanel3.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(0, 0, 0), 2, true));
jPanel3.setOpaque(false);

jLabel7.setFont(new java.awt.Font("Copperplate Gothic Light", 0, 14)); // NOI18N

```

```

jLabel7.setText("Seats :");

jLabel5.setFont(new java.awt.Font("Copperplate Gothic Light", 0, 14)); // NOI18N
jLabel5.setText("When :");

jLabel6.setFont(new java.awt.Font("Copperplate Gothic Light", 0, 14)); // NOI18N
jLabel6.setText("Screen :");

jLabel9.setFont(new java.awt.Font("Copperplate Gothic Light", 0, 14)); // NOI18N
jLabel9.setText("Name :");

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel6)
                    .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(53, 53, 53)
                    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                        .addComponent(screen, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                        .addComponent(when, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                        .addComponent(seats, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(user, javax.swing.GroupLayout.PREFERRED_SIZE, 464,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addContainerGap())
            )
        );
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addComponent(user, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(18, 18, 18)

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(when, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(screen, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addComponent(seats, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addContainerGap()
);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel1Layout.createSequentialGroup()
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(line, javax.swing.GroupLayout.DEFAULT_SIZE, 901,
Short.MAX_VALUE)
            .addComponent(jLabel10, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jLabel14, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGap(16, 16, 16)

.addGroup(jPanel1Layout.createSequentialGroup()
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 598,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGap(25, 25, 25))
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addGap(89, 89, 89)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(label4, javax.swing.GroupLayout.PREFERRED_SIZE, 257,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(total, javax.swing.GroupLayout.PREFERRED_SIZE, 145,
                javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(label3, javax.swing.GroupLayout.PREFERRED_SIZE, 257,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(vat, javax.swing.GroupLayout.PREFERRED_SIZE, 145,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(label2, javax.swing.GroupLayout.PREFERRED_SIZE, 257,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(field2, javax.swing.GroupLayout.PREFERRED_SIZE, 145,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(label, javax.swing.GroupLayout.PREFERRED_SIZE, 257,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(field, javax.swing.GroupLayout.PREFERRED_SIZE, 145,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(107, 107, 107)))
    .addContainerGap()
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(17, 17, 17)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        false)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(31, 31, 31)
        .addComponent(line)

```

```

        .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(field)
        .addComponent(label, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addComponent(jLabel10)
        .addGap(27, 27, 27)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(field2)
        .addComponent(label2, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(vat)
        .addComponent(label3, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jLabel14)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 18,
Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(total)
        .addComponent(label4, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(30, 30, 30)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(21, 21, 21)
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

    pack();
} // </editor-fold>

```

```

private void fieldActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    double tot = Double.parseDouble(total.getText());
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "update ticket set total = " + tot + " where CardNumber is null;";
        stmt.executeUpdate(query);

        payment pay = new payment();
        pay.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(review.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(review.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(review.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```





java.util.logging.Logger.getLogger(review.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new review().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JTextField field;
private javax.swing.JTextField field2;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JLabel label;
private javax.swing.JLabel label2;
private javax.swing.JLabel label3;
private javax.swing.JLabel label4;
private javax.swing.JLabel line;
private javax.swing.JLabel screen;
private javax.swing.JLabel seats;
private javax.swing.JTextField total;
private javax.swing.JLabel user;
private javax.swing.JTextField vat;
private javax.swing.JLabel when;
// End of variables declaration
}

```

Payment:

Card Number	<input type="text" value="6767 8898 9999 923"/>	We Accept :    
Expiry Date	Month: <input type="text" value="01"/> / Year: <input type="text" value="21"/>	
Card Security Code	<input type="text" value="344"/>	
<input checked="" type="checkbox"/> I have read and understood the Terms & Conditions.		PROCEED
*Terms & Conditions		

```
import java.awt.*;
import java.io.*;
import java.nio.charset.StandardCharsets;
import java.nio.file.*;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.time.LocalDate;
import java.util.Arrays;
import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author ckume
 */
public class payment extends javax.swing.JFrame {
    File file = new File("C:\\Users\\ckume\\Desktop\\IP Project\\policy.html");
    LocalDate date = LocalDate.now();
    /**
     * Creates new form payment
     */
    public payment() {
        initComponents();
    }
}
```



```

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    field = new javax.swing.JFormattedTextField();
    store = new javax.swing.JPanel();
    check = new javax.swing.JCheckBox();
    label = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    field3 = new javax.swing.JFormattedTextField();
    field2 = new javax.swing.JFormattedTextField();
    field4 = new javax.swing.JFormattedTextField();

    setDefaultCloseOperation(javax.swing.WindowConstants.DO_NOTHING_ON_CLOSE);
    setTitle("PAYMENT");

    jPanel1.setBackground(new java.awt.Color(122, 207, 221));

    jLabel1.setFont(new java.awt.Font("Century Gothic", 0, 14)); // NOI18N
    jLabel1.setText("Card Number");

    jLabel2.setFont(new java.awt.Font("Century Gothic", 0, 14)); // NOI18N
    jLabel2.setText("Expiry Date");

    jLabel3.setFont(new java.awt.Font("Century Gothic", 0, 14)); // NOI18N
    jLabel3.setText("Card Security Code");

    jLabel5.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
    jLabel5.setText("We Accept :");

    jLabel4.setIcon(new javax.swing.ImageIcon("C:\\Users\\ckume\\Desktop\\IP
Project\\cardLogo.png")); // NOI18N

    jLabel7.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
    jLabel7.setText("/");

    jLabel8.setFont(new java.awt.Font("Century Gothic", 0, 14)); // NOI18N
    jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel8.setText("Month");

```

```

jLabel9.setFont(new java.awt.Font("Century Gothic", 0, 14)); // NOI18N
jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel9.setText("Year");

field.setBackground(new java.awt.Color(204, 204, 204));
try {
    field.setFormatterFactory(new javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("#### #### #### ####"));
} catch (java.text.ParseException ex) {
    ex.printStackTrace();
}
field.addCaretListener(new javax.swing.event.CaretListener() {
    public void caretUpdate(javax.swing.event.CaretEvent evt) {
        fieldCaretUpdate(evt);
    }
});
field.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        fieldActionPerformed(evt);
    }
});

store.setBackground(new java.awt.Color(215, 137, 179));

check.setFont(new java.awt.Font("Bodoni MT", 0, 16)); // NOI18N
check.setText("I have read and understood the Terms & Conditions.");

label.setText("*Terms & Conditions");
label.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        labelMouseClicked(evt);
    }
});

jButton1.setBackground(new java.awt.Color(15, 32, 67));
jButton1.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
jButton1.setForeground(new java.awt.Color(255, 255, 255));
jButton1.setText("PROCEED");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout storeLayout = new javax.swing.GroupLayout(store);
store.setLayout(storeLayout);
storeLayout.setHorizontalGroup(
    storeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(storeLayout.createSequentialGroup()
            .add(storeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(storeLayout.createSequentialGroup()
                    .addGap(37, 37, 37)
                )
            )
        )

.addGroup(storeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .add(storeLayout.createSequentialGroup()
        .addComponent(label)
        .addComponent(check)
    )
)

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 69,
Short.MAX_VALUE)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 214,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(50, 50, 50))
    );
    storeLayout.setVerticalGroup(
        storeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(storeLayout.createSequentialGroup()
            .addGap(32, 32, 32)

            .addGroup(storeLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 86,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(storeLayout.createSequentialGroup()
                    .addComponent(check, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(24, 24, 24)
                    .addComponent(label)))
                .addContainerGap(31, Short.MAX_VALUE))
            );

    field3.setBackground(new java.awt.Color(204, 204, 204));
    try {
        field3.setFormatterFactory(new javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("##"));
    } catch (java.text.ParseException ex) {
        ex.printStackTrace();
    }
    field3.addCaretListener(new javax.swing.event.CaretListener() {
        public void caretUpdate(javax.swing.event.CaretEvent evt) {
            field3CaretUpdate(evt);
        }
    });
    field3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            field3ActionPerformed(evt);
        }
    });

    field2.setBackground(new java.awt.Color(204, 204, 204));
    try {
        field2.setFormatterFactory(new javax.swing.text.DefaultFormatterFactory(new
javax.swing.text.MaskFormatter("##"));
    } catch (java.text.ParseException ex) {
        ex.printStackTrace();
    }
    field2.addCaretListener(new javax.swing.event.CaretListener() {
        public void caretUpdate(javax.swing.event.CaretEvent evt) {
            field2CaretUpdate(evt);
        }
    });
    field2.addFocusListener(new java.awt.event.FocusAdapter() {
        public void focusLost(java.awt.event.FocusEvent evt) {
            field2FocusLost(evt);

```



```

        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(3, 3, 3)
                .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 54,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(field2, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 57, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(15, 15, 15)
                .addComponent(jLabel7)
                .addGap(15, 15, 15)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)
        .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE, 57,
Short.MAX_VALUE)
        .addComponent(field3))))
        .addGap(18, 18, 18)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 153,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGap(29, 29, 29)
                .addComponent(jLabel11)
                .addGap(20, 20, 20)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(field, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(28, 28, 28)
        .addComponent(jLabel2)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel8)
        .addComponent(jLabel9))
        .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel7)
        .addComponent(field3, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(field2, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)))

```

```

        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 20,
            Short.MAX_VALUE)
        .addComponent(jLabel3)
        .addGap(25, 25, 25)
        .addComponent(field4, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(25, 25, 25)
        .addComponent(store, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    );

```

```

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    );

```

```

    pack();
} // </editor-fold>

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    String num = field.getText();
    int month = Integer.parseInt(field2.getText());
    String year = field3.getText();
    String code = field4.getText();

    if(num.length() != 19)
    {
        JOptionPane.showMessageDialog(this, "Card Number is not valid.");
    }
    else if((Integer.parseInt("20" + year) < date.getYear()) || (Integer.parseInt("20" + year) ==
        date.getYear() && month < date.getMonthValue()))
    {
        JOptionPane.showMessageDialog(this, "Your Card is expired.");
    }
    else if(!check.isSelected())
    {
        JOptionPane.showMessageDialog(this, "You must agree to the Terms & Conditions to
        continue.");
    }
    else
    {

```

```

    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "update ticket set cardnumber = " + num + " "
            + ", dateofexpiry = " + month + "/" + year + " "
            + ", security = " + code + " where cardnumber is null;";
        stmt.executeUpdate(query);

        ticket t = new ticket();
        t.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}

private void labelMouseClicked(java.awt.event.MouseEvent evt) {
try
{

    if(Desktop.isDesktopSupported() == false)
    {
        JOptionPane.showMessageDialog(this, "Not Supported");
    }

    Desktop desktop = Desktop.getDesktop();

    if(file.exists())
    {
        desktop.open(file);
    }

}
catch(Exception e)
{
    JOptionPane.showMessageDialog(this, e.getMessage());
}

}

private void fieldActionPerformed(java.awt.event.ActionEvent evt) {

}

private void fieldCaretUpdate(javax.swing.event.CaretEvent evt) {

}

private void field3CaretUpdate(javax.swing.event.CaretEvent evt) {

```

```

    // TODO add your handling code here:
}

private void field3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void field2CaretUpdate(javax.swing.event.CaretEvent evt) {

}

private void field2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void field4CaretUpdate(javax.swing.event.CaretEvent evt) {
    // TODO add your handling code here:
}

private void field4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void field2FocusLost(java.awt.event.FocusEvent evt) {
    if(!field2.getText().trim().isEmpty())
    {
        int month = Integer.parseInt(field2.getText().trim());
        if(month > 12 || month < 1)
        {
            field2.setText("01");
        }
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(payment.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);

```



```

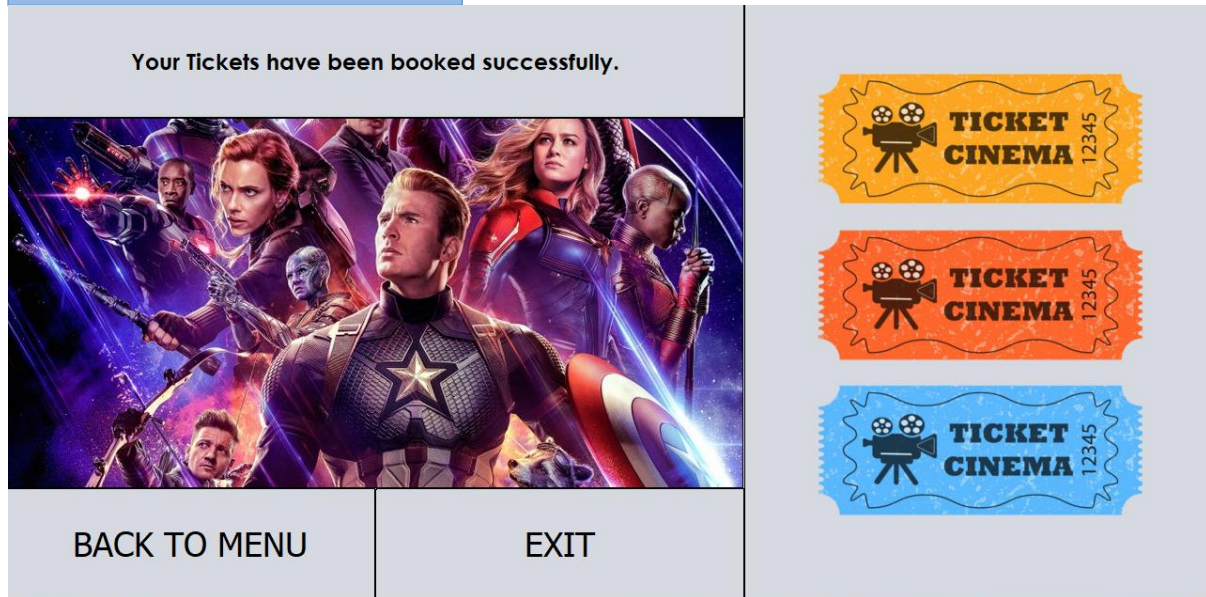
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(payment.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(payment.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(payment.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    }
//</editor-fold>
/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new payment().setVisible(true);
    }
});
}
// Variables declaration - do not modify
private javax.swing.JCheckBox check;
private javax.swing.JFormattedTextField field;
private javax.swing.JFormattedTextField field2;
private javax.swing.JFormattedTextField field3;
private javax.swing.JFormattedTextField field4;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JLabel label;
private javax.swing.JPanel store;
// End of variables declaration
}

```

Ticket:



```
import java.sql.Connection;  
import java.sql.DriverManager;  
import java.sql.ResultSet;  
import java.sql.Statement;  
import javax.swing.JOptionPane;
```

```
/*
```

```
 * To change this license header, choose License Headers in Project Properties.
```

```
 * To change this template file, choose Tools | Templates
```

```
 * and open the template in the editor.
```

```
*/
```

```
/**
```

```
 *
```

```
 * @author ckume
```

```
*/
```

```
public class ticket extends javax.swing.JFrame {
```

```
 /**
```

```
 * Creates new form ticket
```

```
 */
```

```
public ticket() {  
    initComponents();  
}
```

```
/**
```

```
 * This method is called from within the constructor to initialize the form.
```

```
 * WARNING: Do NOT modify this code. The content of this method is always
```

```
 * regenerated by the Form Editor.
```

```
*/
```

```
@SuppressWarnings("unchecked")
```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```
private void initComponents() {
```



```

        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 785,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    .addGroup(layout.createSequentialGroup())
    .addGap(0, 0, Short.MAX_VALUE)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 786,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(layout.createSequentialGroup())
            .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 393,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, 0)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 393,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 497,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(0, 0, 0)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 121,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, 0)
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 394,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                    .addGap(0, 0, Short.MAX_VALUE)
                    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 119,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(0, 0, 0))))
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 0,
Short.MAX_VALUE)
);

pack();
} // </editor-fold>

private void jLabel5MouseClicked(java.awt.event.MouseEvent evt) {
    String user = "This may be an error.";
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "select Username from login where log = 0;";
        ResultSet rs = stmt.executeQuery(query);

        while(rs.next())

```

```

        {
            user = rs.getString("Username");
        }
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String q = "insert into ticket (username) values (" + user + ")";
        stmt.executeUpdate(q);

        menu a = new menu();
        a.setVisible(true);
        dispose();
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}

private void jLabel4MouseClicked(java.awt.event.MouseEvent evt) {
    try
    {
        Class.forName("java.sql.DriverManager");
        Connection con =
(Connection)DriverManager.getConnection("jdbc:mysql://localhost/aditya","root","lions");
        Statement stmt = (Statement) con.createStatement();
        String query = "update login set log = null where log = 0";
        stmt.executeUpdate(query);

        System.exit(0);
    }
    catch(Exception e)
    {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {

```

```

        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(ticket.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(ticket.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(ticket.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(ticket.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    }
//</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new ticket().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
// End of variables declaration
}

```

7. User Manual

7.1 How to install Software:

Hardware Requirement-

- ◆ Intel Pentium/Celeron or similar processor based PC at Client/Server end.
- ◆ 128 MB RAM and 4GB HDD space (for Database) is desirable.
- ◆ Standard I/O devices like Keyboard and Mouse etc.
- ◆ Printer is needed for hard-copy reports.
- ◆ Local Area Network(LAN) is required for Client-Server Installation

Software Requirement-

- ◆ Windows 2000/XP OS is desirable.
- ◆ NetBeans Ver 5.1 or higher should be installed with JDK and JVM.
- ◆ MySQL Ver 6.1 with Library Database must be present at machine.

Database Installation

The software project is distributed with a backup copy of a Database named *aditya* with required tables. Some dummy records are present in the tables for testing purposes, which can be deleted before inserting real data. The project is shipped with SQL file which installs a database and tables in the computer system.

Note: The PC must have MySQL server with user (**root**) and password (**lions**). If root password is any other password, it can be changed by running MySQL Server Instance Configure Wizard.

Start ► Program ► MySQL ► MySQL Server ► MySQL Server Instance Config Wizard

Provide current password of root and new password as "lions", this will change the root password.

7.2 Working with Software Project:

The Movie Booking Program consists of the following logically organized Menu-structure for the easy functionality. User may choose the information or showtimes options for corresponding works.

NAME : THE LION KING

RATING : PG

LENGTH : 110 minutes

GENRE : Adventure, Animation

From Disney Live Action, director Jon Favreau's all-new "The Lion King" journeys to the African savanna where a future king is born. Simba idolizes his father, King Mufasa, and takes to heart his own royal destiny. But not everyone in the kingdom celebrates the new cub's arrival. Scar, Mufasa's brother-and former heir to the throne-has plans of his own. The battle for Pride Rock is ravaged with betrayal, tragedy and drama, ultimately resulting in Simba's exile. With help from a curious pair of newfound friends, Simba will have to figure out how to grow up and take back what is rightfully his.

Movie posters shown: Us, Avengers: Endgame, Dangal, The Lion King, Lucifer, Mission: Impossible.

Buttons below posters: SHOWTIMES

8. References

In order to work on this project titled –Movie Booking System, the following materials are referred by me during the various phases of development of the project.

- (1) *The Complete Reference Java 2.0*
-by Schildt
- (2) *Understanding SQL*
– Gruber
- (3) <http://www.mysql.org/>
- (4) <http://www.netbeans.org/>
- (5) *On-line Help of NetBeans ®*
- (6) *Informatics Practices for class XII*
-by Sumita Arora
- (7) *Together with Informatics Practices*
- (6) *Various Websites of Discussion Forum and software development activities.*

Other than the above-mentioned books, the suggestions and supervision of my teacher and my class experience also helped me to develop this software project.