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SWE-1007 - PROGRAMMING IN JAVA

PROJECT REPORT

TITLE: AIRLINE TICKET BOOKING SYSTEM

FACULTY: PROF. A. ANITHA

NAME: KISHOR KUMAR PARIDA

REG NO: 20MIS0180

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ABSTRACT

The Internet has become a major resource for people looking to make reservations online without the hassle of meeting travel agents. An airline reservation system is part of the so-called passenger service systems, which are applications supporting direct contact with the passenger. This project intends to serve these purposes. It intends to check all the available airline databases and return a string of results, which can help them in their travel plans. It is projected towards enhancing the relationship between customers and airline agencies through the use of this system, and thereby making it convenient for the customers to book the flights when they require such that they can utilize this software to make reservations.

The main purpose of this software is to reduce the manual errors involved in the airline reservation process and make it convenient for the customers to book the flights when they require such that they can utilize this software to make reservations, modify them or cancel a particular one.

INTRODUCTION -

Airline reservation systems (ARS) are systems that allow an airline to sell their inventory (seats). It contains information on schedules and fares and contains a database of reservations (or passenger name records) and of tickets issued (if applicable).

OBJECTIVES -

- Our software will perform and fulfil all the tasks that any customer would desire.
- Our software system mainly deals with customers booking and cancellation of flights in the airlines.
- In this ticketing system customers can even postpone their flights.
- The various features added to the project provide all the functions to make the task easy to perform.

SOFTWARE SPECIFICATION –

- **NETBEANS IDE:**

NetBeans IDE is a free and open-source integrated development environment for application development on Windows, Mac, Linux, and Solaris operating systems. The IDE simplifies the development of web, enterprise, desktop, and mobile applications that use the Java and HTML5 platforms.

- **WAMP SERVER: (WINDOWS, APACHE, MYSQL, PHP)**

Wamp, or WampServer, is a software that allows you to use your computer as a local server, and "host" websites on it. It is a very useful tool to check how your website would work on a dedicated server, especially for back-end aspects, like PHP and MySQL.

MODULES –

Modules which are included in our project are:

- Home
- Login
- Add Flight Details
- Book Ticket
- Cancel Flight Ticket
- Payment Option

DATABASE STRUCTURE –

Database Name: airline1

Tables in the database:

```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe

mysql> show tables;
+-----+
| Tables_in_airline1 |
+-----+
| account             |
| book_ticket         |
| cancel_ticket       |
| customer            |
| flight              |
+-----+
5 rows in set (0.00 sec)

mysql>
```

Account Table:

This table stores the information of the users which they enter while signing up.

Table Description

```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe

mysql> desc account;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Username   | varchar(100)  | YES  |     | NULL    |       |
| Name       | varchar(100)  | YES  |     | NULL    |       |
| Password   | varchar(50)   | YES  |     | NULL    |       |
| Sec_Q      | varchar(100)  | YES  |     | NULL    |       |
| Answer     | varchar(100)  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.10 sec)
```

Table content

c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe

```
mysql> select * from account;
```

Username	Name	Password	Sec_Q	Answer
nick	nick	nick	what is your nick name?	nick
zdng	zdgn	zdgn	what is your nick name?	zfdng
john	John cena	Johncena@1	what is your nick name?	j
Tony	Tony Stark	Tony@123	what is your nick name?	Iron man

```
4 rows in set (0.00 sec)
```

Book Ticket Table:

This table stores the information of the tickets that are booked by the users.

Table Description

c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe

```
mysql> desc book_ticket;
```

Field	Type	Null	Key	Default	Extra
Ticket_No	int(50)	YES		NULL	
Flight_Id	int(50)	YES		NULL	
Flight_Name	varchar(50)	YES		NULL	
Source	varchar(50)	YES		NULL	
Destination	varchar(50)	YES		NULL	
Date	varchar(50)	YES		NULL	
Arrival_Time	varchar(50)	YES		NULL	
Departure_Time	varchar(50)	YES		NULL	
Total_Price	int(50)	YES		NULL	
Seats	int(50)	YES		NULL	
C_Name	varchar(100)	YES		NULL	

```
11 rows in set (0.45 sec)
```

Table content

```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
mysql> select * from book_ticket;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Ticket_No | Flight_Id | Flight_Name | Source | Destination | Date       | Arrival_Time | Departure_Time | Total_Price | Seats | C_Name |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 893 | 1 | a | a | a | 2021-12-03 | 1 | 1 |  | |
| 2 | 2 | sfb |  |  |  |  |  |  |
| 673 | 947 | Indigo | Mumbai | Delhi | 2021-12-13 | 21:05 | 06:55 |  |
| 10000 | 2 | Akshay |  |  |  |  |  |  |
| Yash | 833 | 354 | Spicejet | Paris | Goa | 2021-12-17 | 11:20 | 22:24 |  |
| 10000 | 1 | Nidhi |  |  |  |  |  |  |
+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

Cancel Ticket Table:

This table stores the information of the tickets that are cancelled by the users.

Table Description

```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
3 rows in set (0.00 sec)
mysql> desc cancel_ticket;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Ticket_No | int(50) | YES |  | NULL |  |
| Flight_Id | int(50) | YES |  | NULL |  |
| Flight_Name | varchar(50) | YES |  | NULL |  |
| Source | varchar(50) | YES |  | NULL |  |
| Destination | varchar(50) | YES |  | NULL |  |
| Booking_Date | varchar(50) | YES |  | NULL |  |
| Arrival_Time | varchar(50) | YES |  | NULL |  |
| Departure_Time | varchar(50) | YES |  | NULL |  |
| Price | int(50) | YES |  | NULL |  |
| Seats | int(50) | YES |  | NULL |  |
| C_Name | varchar(100) | YES |  | NULL |  |
| Return_Date | varchar(50) | YES |  | NULL |  |
+-----+-----+-----+-----+-----+-----+
12 rows in set (0.27 sec)
```


Table contents

```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
2 rows in set (0.00 sec)

mysql> select * from cancel_ticket;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| Ticket_No | Flight_Id | Flight_Name | Source | Destination | Booking_Date | Arrival_Time | Departure_Time | Price |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 543 | 453 | hv | vh1 | vh1 | 2021-12-16 | 02:25 | 5:25 | 434 | | |
| 4 | cgj | 2021-12-09 | 234 | 1 | a | a | a | 2021-12-03 | 1 | 1 |
| 1 | 1 | Nick | 2021-12-03 |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Customer Table:

This table stores the user details.

Table Description

```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
mysql> desc customer;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| cid | varchar(50) | YES | | NULL | |
| firstname | varchar(50) | YES | | NULL | |
| lastname | varchar(50) | YES | | NULL | |
| Nic_No | int(50) | YES | | NULL | |
| Passport_Id | int(50) | YES | | NULL | |
| Dob | varchar(50) | YES | | NULL | |
| Gender | varchar(50) | YES | | NULL | |
| Contact | int(50) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.18 sec)
```

Table content

```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
mysql> select * from customer;
+-----+-----+-----+-----+-----+-----+-----+-----+
| cid | firstname | lastname | Nic_No | Passport_Id | Dob       | Gender | Contact |
+-----+-----+-----+-----+-----+-----+-----+
| 562 | John      | Wick     | 618    | 2992         | 12-09-1969 | Male   | 968526023 |
| 682 | Roman    | Reigns   | 342    | 5592         | 01-05-1989 | Male   | 933052602 |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

Flight Table:

This table stores the information of the flights.

Table Description

```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
mysql> desc flight;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Flight_Id      | int(100)      | YES  |     | NULL    |       |
| Flight_Name    | varchar(100)  | YES  |     | NULL    |       |
| Source         | varchar(100)  | YES  |     | NULL    |       |
| Destination    | varchar(100)  | YES  |     | NULL    |       |
| Date          | varchar(100)  | YES  |     | NULL    |       |
| Arrival_Time   | varchar(50)   | YES  |     | NULL    |       |
| Departure_Time | varchar(50)   | YES  |     | NULL    |       |
| Flight_Price   | int(100)      | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
8 rows in set (0.28 sec)
```

Table content

```
c:\wamp64\bin\mysql\mysql5.7.36\bin\mysql.exe
mysql> select * from flight;
+-----+-----+-----+-----+-----+-----+-----+-----+
| Flight_Id | Flight_Name | Source | Destination | Date       | Arrival_Time | Departure_Time | Flight_Price |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 354      | Spicejet   | Paris  | Goa         | 2021-12-17 | 11:20        | 22:24         | 10000        |
| 947      | Indigo     | Mumbai | Delhi       | 2021-12-13 | 21:05        | 06:55         | 5000         |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```


CODING –

1. Add_Flight_Details.java

```
import javax.swing.JOptionPane;
import java.sql.*;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.ArrayList;
import java.util.Random;
import java.util.Vector;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JFrame;
import javax.swing.table.DefaultTableModel;
import net.proteanit.sql.DbUtils;

/*
 * 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 saqib khan
 */
public class Add_Flight_Details extends javax.swing.JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;

    /**
     * Creates new form Add_Flight_Details
     */
    public Add_Flight_Details() {
        initComponents();
        conn=javaconnect.ConnectDb();
        // Show_flight_In_JTable();
        Random();
        fetch();
    }

    public void Random(){
        Random rd=new Random();
        fid.setText(""+rd.nextInt(1000+1));
    }
}
```

```

    }
    public void fetch(){
        try{
            String sql="select * from flight ";
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            jtable.setModel(DbUtils.resultSetToTableModel(rs));

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

    /**
     * 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() {

        jLabel2 = new javax.swing.JLabel();
        fid = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();
        fname = new javax.swing.JTextField();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        source = new javax.swing.JTextField();
        dest = new javax.swing.JTextField();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        atime = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        dtime = new javax.swing.JTextField();
        fprice = new javax.swing.JTextField();
        Date = new com.toedter.calendar.JDateChooser();
        jScrollPane1 = new javax.swing.JScrollPane();
        jtable = new javax.swing.JTable();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        Add_Flight = new javax.swing.JButton();
        Delete = new javax.swing.JButton();
        Update = new javax.swing.JButton();
        Search = new javax.swing.JButton();
        home = new javax.swing.JButton();
        Exit = new javax.swing.JButton();
    }

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel2.setText("Flight Id:");

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel3.setText("Flight Name:");

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel4.setText("Source:");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel5.setText("Destination:");

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

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel6.setText("Date:");

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel7.setText("Arrival Time:");

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel8.setText("Departure Time:");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel9.setText("Flight price:");

jtable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

    },
    new String [] {
        "Flight Id", "Flight Name", "Source", "Destination", "Date", "Arrival Time", "Departure Time",
"Flight Price"
    }
));
jScrollPane1.setViewportView(jtable);

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
jLabel1.setText("Add Flight Details");

```

```

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 221,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
        );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 46, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10))
        );

jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

Add_Flight.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Add_Flight.setText("Add");
Add_Flight.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        Add_FlightActionPerformed(evt);
    }
});

Delete.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Delete.setText("Delete");
Delete.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        DeleteActionPerformed(evt);
    }
});

Update.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Update.setText("Update");
Update.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        UpdateActionPerformed(evt);
    }
});

Search.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Search.setText("Search");
Search.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SearchActionPerformed(evt);
    }
});

```

```

home.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
home.setText("Home");
home.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        homeActionPerformed(evt);
    }
});

Exit.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Exit.setText("Exit");
Exit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        ExitActionPerformed(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(49, 49, 49)
            .addComponent(Delete)
            .addGap(47, 47, 47)
            .addComponent(Update)
            .addGap(51, 51, 51)
            .addComponent(Search, javax.swing.GroupLayout.PREFERRED_SIZE, 79,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(51, 51, 51)
            .addComponent(home)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 45,
Short.MAX_VALUE)
            .addComponent(Exit)
            .addGap(18, 18, 18))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(Update)
            .addComponent(Delete)
            .addComponent(Add_Flight)
            .addComponent(Search)
            .addComponent(home)
            .addComponent(Exit))
        );

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

```

```

layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .addGap(18, 18, 18)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(dest, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 169, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(source, javax.swing.GroupLayout.PREFERRED_SIZE, 169,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                            .addComponent(fname, javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(fid, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 169, javax.swing.GroupLayout.PREFERRED_SIZE))))
                .addGap(59, 59, 59)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                    .addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addComponent(jLabel6, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addComponent(jLabel7, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 112,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(27, 27, 27)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                    .addComponent(dtime)
                    .addComponent(ptime, javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(Date, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addComponent(fprice, javax.swing.GroupLayout.PREFERRED_SIZE, 170,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(31, 31, 31)

```



```

        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 670,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(27, Short.MAX_VALUE))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup())
    .addGap(0, 0, Short.MAX_VALUE)
    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(542, 542, 542))))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup())
    .addContainerGap(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(287, 287, 287))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup())
    .addContainerGap()
    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(34, 34, 34)
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addGroup(layout.createSequentialGroup())
    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(18, 18, 18)
    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(33, 33, 33)
    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(18, 18, 18)
    .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addGroup(layout.createSequentialGroup())
    .addComponent(fid, javax.swing.GroupLayout.DEFAULT_SIZE, 34,
Short.MAX_VALUE)
    .addGap(18, 18, 18)
    .addComponent(fname, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(33, 33, 33)
    .addComponent(source, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(18, 18, 18)
    .addComponent(dest, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(layout.createSequentialGroup())
    .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(Date, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(atime, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(31, 31, 31)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(dtime, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(fprice, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 205,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 59,
Short.MAX_VALUE)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(142, 142, 142))
    );

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

```

```

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

```

```

// Validation of Flight ID

```

```

boolean b=false;
if(fid.getText().length()==3){
    b=true;
}

```

```

// Validation of Arrival Time

```

```

boolean b1=false;
if(((int)(atime.getText().charAt(0))==48 ||
(int)(atime.getText().charAt(0))==49) && (int)(atime.getText().charAt(1))<=57
&& (int)(atime.getText().charAt(1))>=48){
    if(((int)(atime.getText().charAt(3))>=48 &&

```

```

(int)(atime.getText().charAt(3))<54) && (int)(atime.getText().charAt(4))<=57 &&
(int)(atime.getText().charAt(4))>=48){
    b1=true;
}
}else if(((int)(atime.getText().charAt(0))==50)&&
(int)(atime.getText().charAt(1))<52 && (int)(atime.getText().charAt(1))>=48){
    if(((int)(atime.getText().charAt(3))>=48 &&
(int)(atime.getText().charAt(3))<54) && (int)(atime.getText().charAt(4))<=57 &&
(int)(atime.getText().charAt(4))>=48){
        b1=true;
    }
}
}

```

// Validation of Departure Time

```

boolean b2=false;
if(((int)(dtime.getText().charAt(0))==48 ||
(int)(dtime.getText().charAt(0))==49) && (int)(dtime.getText().charAt(1))<=57
&& (int)(dtime.getText().charAt(1))>=48){
    if(((int)(dtime.getText().charAt(3))>=48 &&
(int)(dtime.getText().charAt(3))<54) && (int)(dtime.getText().charAt(4))<=57
&& (int)(dtime.getText().charAt(4))>=48){
        b2=true;
    }
}else if(((int)(dtime.getText().charAt(0))==50)&&
(int)(dtime.getText().charAt(1))<52 && (int)(dtime.getText().charAt(1))>=48){
    if(((int)(dtime.getText().charAt(3))>=48 &&
(int)(dtime.getText().charAt(3))<54) && (int)(dtime.getText().charAt(4))<=57
&& (int)(dtime.getText().charAt(4))>=48){
        b2=true;
    }
}
}

```

```

if(b && b1 && b2){

```

```

    DateFormat da=new SimpleDateFormat("yyy-MM-dd");
    String date=da.format(Date.getDate());
    try{
        String sql="insert into
flight(Flight_Id,Flight_Name,Source,Destination,Date,Arrival_Time,Departure_Time,Flight_Price)values(?,?,?,
?,?,?,?,?)";
        pst=conn.prepareStatement(sql);
        pst.setString(1, fid.getText());
        pst.setString(2, fname.getText());
        pst.setString(3, source.getText());
        pst.setString(4, dest.getText());
        pst.setString(5,date);
        pst.setString(6, atime.getText());
        pst.setString(7, dtime.getText());
        pst.setString(8, fprice.getText());
        pst.execute();
    }
}
}

```

```

    } catch (SQLException ex) {
        Logger.getLogger(Add_Flight_Details.class.getName()).log(Level.SEVERE, null, ex);
    }
    fetch();

JOptionPane.showMessageDialog(null, "Flight Added Successfully");
}else {
JOptionPane.showMessageDialog(null,"Invalid Field");
}
}

private void DeleteActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String sql="DELETE FROM flight WHERE Flight_Id = ?";

    try {
        pst=conn.prepareStatement(sql);
        int id = Integer.parseInt(fid.getText());

        pst.setInt(1, id);
        pst.executeUpdate();
        fetch();
        JOptionPane.showMessageDialog(null, "Flight Details Deleted");
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null,e);
    }
}

private void UpdateActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    DateFormat da=new SimpleDateFormat("yyy-MM-dd");
    String date=da.format(Date.getDate());
    try{
        String sql="update flight set Flight_Name=?, Source=?, Destination=?, Date=?, Arrival_Time=?,
Departure_Time=?, Flight_Price=? where Flight_Id=?";
        pst=conn.prepareStatement(sql);
        pst.setString(8, fid.getText());
        pst.setString(1, fname.getText());
        pst.setString(2, source.getText());
        pst.setString(3, dest.getText());
        pst.setString(4,date);
        pst.setString(5, atime.getText());
        pst.setString(6, dtime.getText());
        pst.setString(7, fprice.getText());
        pst.executeUpdate();
    }
}

```

```

        fetch();
        JOptionPane.showMessageDialog(null,"Update Successful");

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

private void SearchActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String sql="select * from flight where Flight_Id=?";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1, fid.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("Flight_Name");
            fname.setText(add1);
            String add2=rs.getString("Source");
            source.setText(add2);
            String add3=rs.getString("Destination");
            dest.setText(add3);
            String Dob=rs.getString("Date");
            java.util.Date date1 = new SimpleDateFormat("yyyy-MM-dd").parse(Dob);
            Date.setDate(date1);
            String add5=rs.getString("Arrival_Time");
            atime.setText(add5);
            String add6=rs.getString("Departure_Time");
            dtime.setText(add6);
            String add7=rs.getString("Flight_Price");
            fprice.setText(add7);
        }else{
            JOptionPane.showMessageDialog(null, "This flight id not registered");
        }

    }

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

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

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

```

```

        // TODO add your handling code here:
        setVisible(false);
        Home ob=new Home();
        ob.setVisible(true);
    }

    private void ExitActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        JFrame frame=new JFrame("EXIT");
        if(JOptionPane.showConfirmDialog(frame, "Confirm if you want to exit","EXIT",
            JOptionPane.YES_NO_OPTION)==JOptionPane.YES_NO_OPTION)
        {
            System.exit(0);
        }
    }

    /**
     * @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(Add_Flight_Details.class.getName()).log(java.util.logging.Level.SEVERE,
                null, ex);
        } catch (InstantiationException ex) {

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

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

            java.util.logging.Logger.getLogger(Add_Flight_Details.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 Add_Flight_Details().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton Add_Flight;
private com.toedter.calendar.JDateChooser Date;
private javax.swing.JButton Delete;
private javax.swing.JButton Exit;
private javax.swing.JButton Search;
private javax.swing.JButton Update;
private javax.swing.JTextField atime;
private javax.swing.JTextField dest;
private javax.swing.JTextField dtime;
private javax.swing.JTextField fid;
private javax.swing.JTextField fname;
private javax.swing.JTextField fprice;
private javax.swing.JButton home;
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.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jtable;
private javax.swing.JTextField source;
// End of variables declaration
}

```

Add Flight Details

Flight Id:

Date:

Flight Name:

Arrival Time:

Source:

Departure Time:

Destination:

Flight price:

Flight_Id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_T...	Flight_Price
-----------	-------------	--------	-------------	------	--------------	----------------	--------------

AddDeleteUpdateSearchHomeExit

2. Cancel_Flight_Ticket.java

```
import javax.swing.JOptionPane;
import java.sql.*;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import javax.swing.JFrame;

/*
 * 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 saqib khan
 */
public class Cancel_Flight_Ticket extends javax.swing.JFrame {
    Connection conn;
    PreparedStatement pst;
    ResultSet rs;

    /**
     * Creates new form Cancel_Flight_Ticket
     */
    public Cancel_Flight_Ticket() {
        initComponents();
        conn=javaconnect.ConnectDb();
    }
}
```

```

public void Delete(){
    String sql="delete from book_ticket where Ticket_No=?";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1, tno.getText());
        pst.execute();

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

}

public void Cancel_Ticket(){
    DateFormat da=new SimpleDateFormat("yyy-MM-dd");
    String date=da.format(cdate.getDate());
    DateFormat daa=new SimpleDateFormat("yyy-MM-dd");
    String date1=daa.format(cdate1.getDate());
    String sql="insert into
cancel_ticket(Ticket_No,Flight_Id,Flight_Name,Source,Destination,Booking_Date,Arrival_Time,Departure_Ti
me,Price,Seats,C_Name,Return_Date)values(?,?,?,?,?,?,?,?,?,?,?)";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1, tno.getText());
        pst.setString(2, fid.getText());
        pst.setString(3, fname.getText());
        pst.setString(4, source.getText());
        pst.setString(5, dest.getText());
        pst.setString(6,date);
        pst.setString(7, arrival.getText());
        pst.setString(8, dept.getText());
        pst.setString(9, price.getText());
        pst.setString(10, seat.getText());
        pst.setString(11, cname.getText());
        pst.setString(12,date1);
        pst.execute();
        JOptionPane.showMessageDialog(null,"Ticket Cancel");

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

/**
 * 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.
 */
@Override
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">

```

```

private void initComponents() {

    cdate = new com.toedter.calendar.JDateChooser();
    jLabel14 = new javax.swing.JLabel();
    tno = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    fid = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    fname = new javax.swing.JTextField();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    source = new javax.swing.JTextField();
    dest = new javax.swing.JTextField();
    jLabel9 = new javax.swing.JLabel();
    search = new javax.swing.JButton();
    jLabel10 = new javax.swing.JLabel();
    seat = new javax.swing.JTextField();
    jLabel11 = new javax.swing.JLabel();
    cdate1 = new com.toedter.calendar.JDateChooser();
    jLabel15 = new javax.swing.JLabel();
    arrival = new javax.swing.JTextField();
    jLabel12 = new javax.swing.JLabel();
    dept = new javax.swing.JTextField();
    jLabel13 = new javax.swing.JLabel();
    price = new javax.swing.JTextField();
    jLabel16 = new javax.swing.JLabel();
    cname = new java.awt.TextArea();
    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    cancel = new javax.swing.JButton();
    home = new javax.swing.JButton();
    Exit = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jLabel14.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel14.setText("Ticket No:");

    jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel5.setText("Flight Id:");

    jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel6.setText("Flight Name:");

    jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel7.setText("Source:");

    jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    jLabel8.setText("Destination:");

    jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

```

```

jLabel9.setText("Booking Date:");

search.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
search.setText("Search");
search.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        searchActionPerformed(evt);
    }
});

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel10.setText("Customer Name:");

jLabel11.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel11.setText("Cancel date:");

jLabel15.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel15.setText("Arrival Time:");

jLabel12.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel12.setText("Departure Time:");

jLabel13.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel13.setText("Price:");

jLabel16.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel16.setText("Seats:");

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel1.setText("Cancel Flight Ticket");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel1)
            .addGap(0, 19, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING,
            javax.swing.GroupLayout.DEFAULT_SIZE, 37, Short.MAX_VALUE)
);

jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

cancel.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
cancel.setText("Ticket Cancel");
cancel.addActionListener(new java.awt.event.ActionListener() {

```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cancelActionPerformed(evt);
        }
    });

    home.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    home.setText("Home");
    home.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            homeActionPerformed(evt);
        }
    });

    Exit.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    Exit.setText("Exit");
    Exit.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            ExitActionPerformed(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()
                .addComponent(cancel)
                .addGap(44, 44, 44)
                .addComponent(home)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 41,
Short.MAX_VALUE)
                .addComponent(Exit)
                .addGap(0, 0, 0))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(cancel, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(home, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(Exit, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(0, 0, 0))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(cancel)
                        .addGap(44, 44, 44)
                        .addComponent(home)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 41,
Short.MAX_VALUE)
                        .addComponent(Exit)
                        .addGap(0, 0, 0))
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(Exit)
                        .addGap(0, 0, 0))
                )
            );

```



```

        .addContainerGap()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(fid, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(fname, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(source, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(dest, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(tno, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                        .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(257, 257, 257)))
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(249, 249, 249))
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)

                        .addComponent(jLabel6, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

                            .addComponent(jLabel5, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 109, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(cdate, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(search)
                        .addGap(31, 31, 31)

```

```

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                .addComponent(jLabel16, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel13, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel15, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel12, javax.swing.GroupLayout.DEFAULT_SIZE, 124,
Short.MAX_VALUE)
                .addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 124,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(84, 84, 84)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(dept, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(price, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(seat, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(arrival, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(cdate1, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addComponent(cname, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(layout.createSequentialGroup())
        .addGap(376, 376, 376)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(61, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(28, 28, 28)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addGroup(layout.createSequentialGroup())
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(search, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel14, javax.swing.GroupLayout.DEFAULT_SIZE, 34,
Short.MAX_VALUE)
            .addComponent(tno, javax.swing.GroupLayout.DEFAULT_SIZE, 34, Short.MAX_VALUE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(fid, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .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(fname, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(source, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(dest, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(24, 24, 24)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(cdate, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(layout.createSequentialGroup())
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jLabel15, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(arrival, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jLabel12, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(dept, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

```

```

        .addComponent(jLabel13, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(price, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel16, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(seat, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 34, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cname, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(21, 21, 21)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(cdate1, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 30,
Short.MAX_VALUE)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(48, 48, 48))
    );

```

```

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

```

```

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

```

```

    String sql="select * from book_ticket where Ticket_No=? ";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1, tno.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            String add1=rs.getString("Flight_Id");
            fid.setText(add1);
            String add2=rs.getString("Flight_Name");
            fname.setText(add2);
            String add3=rs.getString("Source");
            source.setText(add3);
            String add4=rs.getString("Destination");
            dest.setText(add4);
            String DATE=rs.getString("Date");
            java.util.Date date=new SimpleDateFormat("yyyy-MM-dd").parse(DATE);
            cdate.setDate(date);

```

```

        String add6=rs.getString("Arrival_Time");
        arrival.setText(add6);
        String add7=rs.getString("Departure_Time");
        dept.setText(add7);
        String add8=rs.getString("Total_Price");
        price.setText(add8);
        String add9=rs.getString("Seats");
        seat.setText(add9);
        String add10=rs.getString("C_Name");
        cname.setText(add10);

    }
    else{
        JOptionPane.showMessageDialog(null, "This id not registered");

    }

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

private void cancelActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Delete();
    Cancel_Ticket();

}

private void homeActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Home ob=new Home();
    ob.setVisible(true);
}

private void ExitActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    JFrame frame=new JFrame("EXIT");
    if(JOptionPane.showConfirmDialog(frame, "Confirm if you want to exit","EXIT",
        JOptionPane.YES_NO_OPTION)==JOptionPane.YES_NO_OPTION)
    {
        System.exit(0);
    }
}

/**
 * @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(Cancel_Flight_Ticket.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(Cancel_Flight_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 Cancel_Flight_Ticket().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton Exit;
private javax.swing.JTextField arrival;
private javax.swing.JButton cancel;
private com.toedter.calendar.JDateChooser cdate;
private com.toedter.calendar.JDateChooser cdate1;
private java.awt.TextArea cname;
private javax.swing.JTextField dept;
private javax.swing.JTextField dest;
private javax.swing.JTextField fid;
private javax.swing.JTextField fname;
private javax.swing.JButton home;
private javax.swing.JLabel jLabel1;

```



```

private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JTextField price;
private javax.swing.JButton search;
private javax.swing.JTextField seat;
private javax.swing.JTextField source;
private javax.swing.JTextField tno;
// End of variables declaration
}

```

Cancel Flight Ticket

Ticket No:	<input type="text"/>	Search	Arrival Time:	<input type="text"/>
Flight Id:	<input type="text"/>		Departure Time:	<input type="text"/>
Flight Name:	<input type="text"/>		Price:	<input type="text"/>
Source:	<input type="text"/>		Seats:	<input type="text"/>
Destination:	<input type="text"/>		Customer Name:	<input type="text"/>
Booking Date:	<input type="text"/>		Cancel date:	<input type="text"/>

3. Credit_Card.java

```
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 saqib khan
 */
public class Credit_Card extends javax.swing.JFrame {

    /**
     * Creates new form Credit_Card
     */
    public Credit_Card() {
        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();
        jLabel7 = new javax.swing.JLabel();
        atime = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        atime1 = new javax.swing.JTextField();
        jLabel9 = new javax.swing.JLabel();
        atime2 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
        jLabel1.setText("Credit Card");

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    
```

```

jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(60, 60, 60)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 114,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(66, Short.MAX_VALUE))
        );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel7.setText("Enter Your Card Number:");

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel8.setText("Expiry / Validity Date:");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel9.setText("Enter CVV:");

jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton1.setText("Book Ticket");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton2.setText("Home");
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()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(132, 132, 132)
                    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(layout.createSequentialGroup()
                    .addGap(29, 29, 29)

```

```

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 174,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(33, 33, 33)
                .addComponent(atime1, javax.swing.GroupLayout.PREFERRED_SIZE, 202,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 189,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(atime, javax.swing.GroupLayout.PREFERRED_SIZE, 202,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 174,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(33, 33, 33)
                .addComponent(atime2, javax.swing.GroupLayout.PREFERRED_SIZE, 202,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(layout.createSequentialGroup()
            .addGap(74, 74, 74)
            .addComponent(jButton1)
            .addGap(70, 70, 70)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 121,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(90, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(53, 53, 53)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(atime, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(atime1, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(atime2, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)

```

```

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE, 36, Short.MAX_VALUE)
            .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addContainerGap(63, Short.MAX_VALUE))
    );

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(atime.getText().length()==16 && atime2.getText().length()==3) {
        JOptionPane.showMessageDialog(null, "Ticket Booked Successfully! Happy Journey :)");
    }
    else {
        JOptionPane.showMessageDialog(null, "Invalid Card Number or CVV");
    }
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Home ob=new Home();
    ob.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(Credit_Card.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Credit_Card.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

```

```

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

// Variables declaration - do not modify
private javax.swing.JTextField atime;
private javax.swing.JTextField atime1;
private javax.swing.JTextField atime2;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
// End of variables declaration
}

```

The image shows a Java Swing window titled "Credit Card". The window has a red title bar with standard Windows window controls (minimize, maximize, close). The main content area has a light gray background. At the top center, there is a gray rectangular box with the text "Credit Card" in bold black font. Below this, there are three rows of labels and text input fields:

- The first row has the label "Enter Your Card Number:" followed by a white text input field with a blue border.
- The second row has the label "Expiry / Validity Date:" followed by a white text input field with a gray border.
- The third row has the label "Enter CVV:" followed by a white text input field with a gray border.

At the bottom of the window, there are two buttons:

- A button labeled "Book Ticket" with a gray background and a black border.
- A button labeled "Home" with a gray background and a black border.

4. Debit_Card.java

```
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 saqib khan
 */
public class Debit_Card extends javax.swing.JFrame {

    /**
     * Creates new form Debit_Card
     */
    public Debit_Card() {
        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();
        jLabel7 = new javax.swing.JLabel();
        atime = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        atime1 = new javax.swing.JTextField();
        jLabel9 = new javax.swing.JLabel();
        atime2 = new javax.swing.JTextField();
        book_Ticket = new javax.swing.JButton();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
        jLabel1.setText("Debit Card");

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

```

```

jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(63, 63, 63)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(66, Short.MAX_VALUE))
        );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)
        );

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel7.setText("Enter Your Card Number :");

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel8.setText("Expiry / Validity Date:");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel9.setText("Enter CVV:");

book_Ticket.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
book_Ticket.setText("Book Ticket");
book_Ticket.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        book_TicketActionPerformed(evt);
    }
});

jButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton1.setText("Home");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(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()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(132, 132, 132)
                    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(layout.createSequentialGroup()
                    .addGap(29, 29, 29)

```



```

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 174,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(33, 33, 33)
                .addComponent(atime1, javax.swing.GroupLayout.PREFERRED_SIZE, 202,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 189,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(atime, javax.swing.GroupLayout.PREFERRED_SIZE, 202,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 174,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(33, 33, 33)
                .addComponent(atime2, javax.swing.GroupLayout.PREFERRED_SIZE, 202,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(layout.createSequentialGroup()
            .addGap(101, 101, 101)
            .addComponent(book_Ticket)
            .addGap(56, 56, 56)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 107,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(447, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(53, 53, 53)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(atime, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(atime1, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(atime2, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(30, 30, 30)

```

```

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(book_Ticket, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addContainerGap(226, Short.MAX_VALUE))
    );

```

```

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

```

```

private void book_TicketActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(atime.getText().length()==16 && atime2.getText().length()==3) {
        JOptionPane.showMessageDialog(null, "Ticket Booked Successfully! Happy Journey :)");
    }
    else {
        JOptionPane.showMessageDialog(null, "Invalid Card Number or CVV");
    }
}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Home ob=new Home();
    ob.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(Debit_Card.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Debit_Card.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

```

```

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

// Variables declaration - do not modify
private javax.swing.JTextField atime;
private javax.swing.JTextField atime1;
private javax.swing.JTextField atime2;
private javax.swing.JButton book_Ticket;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
// End of variables declaration
}

```

Debit Card

Enter Your Card Number :

Expiry / Validity Date:

Enter CVV:

5. Forgot.java

```
import java.sql.*;
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.util.*;
import java.util.logging.*;

public class Forgot extends JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;

    public Forgot() {
        super("Forgot Password");
        initComponents();
        conn=javaconnect.ConnectDb();
    }

    public void Search(){
        String a1=jTextField1.getText();
        String sql="select *from Account where Username='"+a1+"'";
        try{
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            if(rs.next()){
                jTextField2.setText(rs.getString(2));
                jTextField3.setText(rs.getString(4));
                rs.close();
                pst.close();

            }
            else{
                JOptionPane.showMessageDialog(null, "Incorrect Username");
            }
        }catch(Exception e){
            JOptionPane.showMessageDialog(null,e);
        }
    }

    public void Retrive(){
        String a1=jTextField1.getText();
        String a2=jTextField4.getText();
        String sql="select * from Account where Answer='"+a2+"'";
        try{
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            if(rs.next()){
                jTextField5.setText(rs.getString(3));

            }
        }
    }
}
```

```

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

    }

}

private void initComponents() {

    jPanel1 = new JPanel();
    jLabel1 = new JLabel();
    jPanel2 = new JPanel();
    jTextField3 = new JTextField();
    jTextField4 = new JTextField();
    jTextField5 = new JTextField();
    jLabel6 = new JLabel();
    jLabel2 = new JLabel();
    Search = new JButton();
    Back = new JButton();
    jLabel3 = new JLabel();
    retrieve = new JButton();
    jLabel4 = new JLabel();
    jLabel5 = new JLabel();
    jTextField1 = new JTextField();
    jTextField2 = new JTextField();

    setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBorder(BorderFactory.createLineBorder(new Color(0, 0, 0), 2));

    jLabel1.setFont(new Font("Tahoma", 1, 18));
    jLabel1.setText("Forgot Password");

    GroupLayout jPanel1Layout = new GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1)
                .addContainerGap(30, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1, GroupLayout.DEFAULT_SIZE, GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap()
            )
    );
}

```

```
jPanel2.setBorder(BorderFactory.createLineBorder(new Color(0, 0, 0), 2));
```

```
jTextField3.setEditable(false);
```

```
jTextField5.setEditable(false);
jTextField5.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent evt) {
        jTextField5ActionPerformed(evt);
    }
});
```

```
jLabel6.setFont(new Font("Tahoma", 1, 14));
jLabel6.setText("Name");
```

```
jLabel2.setFont(new Font("Tahoma", 1, 14));
jLabel2.setText("Username");
```

```
Search.setFont(new Font("Tahoma", 1, 12));
Search.setText("Search");
Search.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent evt) {
        SearchActionPerformed(evt);
    }
});
```

```
Back.setFont(new Font("Tahoma", 1, 12));
Back.setText("Back");
Back.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent evt) {
        BackActionPerformed(evt);
    }
});
```

```
jLabel3.setFont(new Font("Tahoma", 1, 14));
jLabel3.setText("Your security question");
```

```
retrive.setFont(new Font("Tahoma", 1, 12));
retrive.setText("Retrive");
retrive.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent evt) {
        retriveActionPerformed(evt);
    }
});
```

```
jLabel4.setFont(new Font("Tahoma", 1, 14));
jLabel4.setText("Answer");
```

```
jLabel5.setFont(new Font("Tahoma", 1, 14));
jLabel5.setText("Your Password");
```

```
jTextField2.setEditable(false);
jTextField2.addActionListener(new ActionListener() {
```

```

        public void actionPerformed(ActionEvent evt) {
            jTextField2ActionPerformed(evt);
        }
    });

    GroupLayout jPanel2Layout = new GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(
        jPanel2Layout.createParallelGroup(GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(57, 57, 57)
                .addGroup(jPanel2Layout.createParallelGroup(GroupLayout.Alignment.TRAILING)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jLabel6, GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jLabel2, GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jLabel4, GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jLabel5, GroupLayout.PREFERRED_SIZE, 149,
                            GroupLayout.PREFERRED_SIZE))
                    .addComponent(jLabel3, GroupLayout.Alignment.LEADING))
                .addGap(44, 44, 44)
                .addGroup(jPanel2Layout.createParallelGroup(GroupLayout.Alignment.LEADING)
                    .addComponent(jTextField2, GroupLayout.PREFERRED_SIZE, 170,
                        GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jTextField4, GroupLayout.PREFERRED_SIZE, 170,
                            GroupLayout.PREFERRED_SIZE)
                        .addComponent(jTextField5, GroupLayout.PREFERRED_SIZE, 170,
                            GroupLayout.PREFERRED_SIZE)
                        .addComponent(jTextField1, GroupLayout.PREFERRED_SIZE, 170,
                            GroupLayout.PREFERRED_SIZE)
                        .addComponent(jTextField3, GroupLayout.PREFERRED_SIZE, 170,
                            GroupLayout.PREFERRED_SIZE))
                    .addGap(18, 18, 18)
                    .addGroup(jPanel2Layout.createParallelGroup(GroupLayout.Alignment.LEADING,
                        false)
                        .addComponent(Search)
                        .addComponent(retrieve, GroupLayout.DEFAULT_SIZE,
                            GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(Back, GroupLayout.PREFERRED_SIZE, 67,
                            GroupLayout.PREFERRED_SIZE))))
                .addGap(58, Short.MAX_VALUE))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(20, 20, 20)
                .addGroup(jPanel2Layout.createParallelGroup(GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(jLabel2)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(Search, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jTextField2, javax.swing.GroupLayout.DEFAULT_SIZE, 34,
Short.MAX_VALUE))
        .addGap(18, 18, 18)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 26,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(retrieve, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(Back, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(47, 47, 47))
    );

```

```

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(245, 245, 245)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
            .addContainerGap(86, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(63, 63, 63))
    );
layout.setVerticalGroup(

```



```

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 23,
Short.MAX_VALUE)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(121, 121, 121))
        );

    pack();
}

private void jTextField5ActionPerformed(ActionEvent evt) {}

private void SearchActionPerformed(ActionEvent evt) {
    Search();
}

private void BackActionPerformed(ActionEvent evt) {
    setVisible(false);
    Login ob=new Login();
    ob.setVisible(true);
}

private void retrieveActionPerformed(ActionEvent evt) {
    Retrieve();
}

private void jTextField2ActionPerformed(ActionEvent evt) {}

public static void main(String args[]) {
    try {
        for (UIManager.LookAndFeelInfo info : UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        Logger.getLogger(Forgot.class.getName()).log(Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        Logger.getLogger(Forgot.class.getName()).log(Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        Logger.getLogger(Forgot.class.getName()).log(Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        Logger.getLogger(Forgot.class.getName()).log(Level.SEVERE, null, ex);
    }
}

java.awt.EventQueue.invokeLater(new Runnable() {

```

```

        public void run() {
            new Forgot().setVisible(true);
        }
    });
}

private JButton Back;
private JButton Search;
private JLabel jLabel1;
private JLabel jLabel2;
private JLabel jLabel3;
private JLabel jLabel4;
private JLabel jLabel5;
private JLabel jLabel6;
private JPanel jPanel1;
private JPanel jPanel2;
private JTextField jTextField1;
private JTextField jTextField2;
private JTextField jTextField3;
private JTextField jTextField4;
private JTextField jTextField5;
private JButton retrieve;
}

```

Forgot Password

Username	<input type="text"/>	Search
Name	<input type="text"/>	
Your security question	<input type="text"/>	
Answer	<input type="text"/>	Retrive
Your Password	<input type="text"/>	Back

6. Home.java

```
import javax.swing.JFrame;
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 saqib khan
 */
public class Home extends javax.swing.JFrame {

    /**
     * Creates new form Home
     */
    public Home() {
        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();
        jPanel2 = new javax.swing.JPanel();
        Add_Flight = new javax.swing.JButton();
        back_to_login = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();
        search_flight = new javax.swing.JButton();
        Ticket_Cancel = new javax.swing.JButton();
        exit = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
        jLabel1.setText("Welcome to Airline ticket booking system");
    }
}
```

```

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap()
            .addComponent(jLabel1)
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
            );

jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

Add_Flight.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Add_Flight.setText("Add Flight");
Add_Flight.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        Add_FlightActionPerformed(evt);
    }
});

back_to_login.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
back_to_login.setText("Back to login page");
back_to_login.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        back_to_loginActionPerformed(evt);
    }
});

jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton5.setText("Book Ticket");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

search_flight.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
search_flight.setText("Search Flight Details");
search_flight.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        search_flightActionPerformed(evt);
    }
});

Ticket_Cancel.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Ticket_Cancel.setText("Ticket Cancel");
Ticket_Cancel.addActionListener(new java.awt.event.ActionListener() {

```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            Ticket_CancelActionPerformed(evt);
        }
    });

    exit.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
    exit.setText("Exit");
    exit.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            exitActionPerformed(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()
                .addContainerGap()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(Add_Flight)
                    .addComponent(back_to_login))
                .addGap(104, 104, 104)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jButton5)
                    .addComponent(search_flight))
                .addGap(48, 48, 48)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(Ticket_Cancel)
                    .addComponent(exit))
                .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(Add_Flight, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(Ticket_Cancel, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 39,
                    Short.MAX_VALUE)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(back_to_login, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(exit, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(search_flight, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap())
    );

```

```

        .addGap(18, 18, 18))
    );

    jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
    jLabel2.setForeground(new java.awt.Color(255, 51, 51));
    jLabel2.setText("Click given below button where you want to go :-");

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addGroup(layout.createSequentialGroup()
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(layout.createSequentialGroup()
                                    .addGroup(layout.createSequentialGroup()
                                        .addGap(117, 117, 117)
                                        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                                            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                                    .addGroup(layout.createSequentialGroup()
                                        .addGroup(layout.createSequentialGroup()
                                            .addGap(71, 71, 71)
                                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
                                                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                                                .addComponent(jLabel2))))
                                        .addContainerGap(100, Short.MAX_VALUE))
                                    .addComponent(jLabel2))))
                                .addContainerGap(100, Short.MAX_VALUE))
                            .addComponent(jLabel2))))
                    .addContainerGap(100, Short.MAX_VALUE))
                .addComponent(jLabel2))
            .addContainerGap(100, Short.MAX_VALUE))
    );

    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(57, 57, 57)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                    .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addContainerGap(159, Short.MAX_VALUE))
                .addComponent(jLabel2))
    );

    pack();
}

private void Add_FlightActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Add_Flight_Details ob=new Add_Flight_Details();
    ob.setVisible(true);
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:

```

```

        setVisible(false);
        Search_Flight_Details ob=new Search_Flight_Details();
        ob.setVisible(true);
    }

    private void Ticket_CancelActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        setVisible(false);
        Cancel_Flight_Ticket ob=new Cancel_Flight_Ticket();
        ob.setVisible(true);
    }

    private void back_to_loginActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        setVisible(false);
        Login ob=new Login();
        ob.setVisible(true);
    }

    private void search_flightActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        setVisible(false);
        Search_Flight_Details ob=new Search_Flight_Details();
        ob.setVisible(true);
    }

    private void exitActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        JFrame frame=new JFrame("EXIT");
        if(JOptionPane.showConfirmDialog(frame, "Confirm if you want to exit","EXIT",
            JOptionPane.YES_NO_OPTION)==JOptionPane.YES_NO_OPTION)
        {
            System.exit(0);
        }
    }

    /**
     * @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;
                }
            }

```

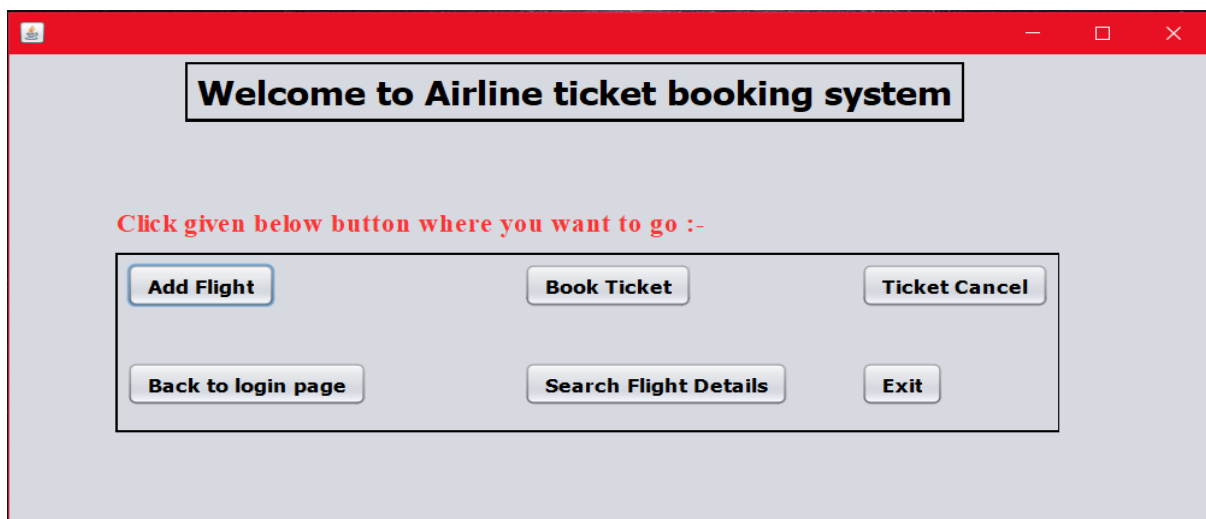
```

    }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Home.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Home.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 Home().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton Add_Flight;
private javax.swing.JButton Ticket_Cancel;
private javax.swing.JButton back_to_login;
private javax.swing.JButton exit;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JButton search_flight;
// End of variables declaration
}

```



7. Login.java

```
import java.sql.*;
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;

public class Login extends JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;

    public Login() {
        super("Login");
        initComponents();
        conn=javaconnect.ConnectDb();
    }

    private void initComponents() {

        jPanel6 = new JPanel();
        jLabel1 = new JLabel();
        jLabel2 = new JLabel();
        jTextField1 = new JTextField();
        jPasswordField1 = new JPasswordField();
        Login = new JButton();
        Signup = new JButton();
        Forgot = new JButton();
        jPanel2 = new JPanel();
        jLabel7 = new JLabel();

        setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);

        jPanel6.setBorder(BorderFactory.createLineBorder(new Color(0, 0, 0), 2));

        jLabel1.setFont(new Font("Tahoma", 1, 14));
        jLabel1.setText("Username");

        jLabel2.setFont(new Font("Tahoma", 1, 14));
        jLabel2.setText("Password");

        Login.setFont(new Font("Tahoma", 1, 14));
        Login.setText("Login");
        Login.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent evt) {
                LoginActionPerformed(evt);
            }
        });

        Signup.setFont(new Font("Tahoma", 1, 14));
        Signup.setText("Signup");
        Signup.addActionListener(new ActionListener() {
```

```

        public void actionPerformed(ActionEvent evt) {
            SignupActionPerformed(evt);
        }
    });

    Forgot.setFont(new Font("Tahoma", 1, 14));
    Forgot.setText("Forgot Password");
    Forgot.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent evt) {
            ForgotActionPerformed(evt);
        }
    });

    GroupLayout jPanel6Layout = new GroupLayout(jPanel6);
    jPanel6.setLayout(jPanel6Layout);
    jPanel6Layout.setHorizontalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(jPanel6Layout.createSequentialGroup()
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                        .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE, 184,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(jPanel6Layout.createSequentialGroup()
                            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
                                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                            .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 184,
                                javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGap(79, 79, 79))
                    .addGroup(jPanel6Layout.createSequentialGroup()
                        .addComponent(Login)
                        .addGap(38, 38, 38)
                        .addComponent(Signup)
                        .addGap(37, 37, 37)
                        .addComponent(Forgot, javax.swing.GroupLayout.PREFERRED_SIZE, 151,
                            javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(0, 29, Short.MAX_VALUE))))
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 92,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
    );
    jPanel6Layout.setVerticalGroup(
        jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel6Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel6Layout.createSequentialGroup()
                        .addComponent(jLabel2)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jPasswordField1)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel1)
                            .addComponent(jTextField1))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addGap(79, 79, 79)
                        .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(Login)
                            .addComponent(Signup)
                            .addComponent(Forgot)
                            .addGap(0, 29, Short.MAX_VALUE)))
                    .addGroup(jPanel6Layout.createSequentialGroup()
                        .addComponent(jLabel3)
                        .addContainerGap())
                )
            );

```

```

        .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(26, 26, 26)
        .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 26,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(28, 28, 28)
        .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(Login)
            .addComponent(Signup)
            .addComponent(Forgot))
        .addContainerGap(53, Short.MAX_VALUE))
    );

jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 24));
jLabel7.setText("Login Form");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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(116, 116, 116)
            .addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(138, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
            .addContainerGap(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(269, 269, 269))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(17, 17, 17)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jPanel6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(116, Short.MAX_VALUE))
    );

    pack();
}

private void LoginActionPerformed(ActionEvent evt) {

    String sql="select * from Account where Username=? and Password=?";
    try{
        pst=conn.prepareStatement (sql);

        pst.setString(1,jTextField1.getText());
        pst.setString(2,jPasswordField1.getText());
        rs=pst.executeQuery();
        if(rs.next()){
            rs.close();
            pst.close();

            setVisible(false);
            Home ob=new Home();
            ob.setVisible(true);

        }else{
            JOptionPane.showMessageDialog(null,"Not Found");
        }

    }catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }finally{
        try{
            rs.close();
            pst.close();
        }catch(Exception e){
        }
    }
}
}

```

```

private void SignupActionPerformed(ActionEvent evt) {
    setVisible(false);
    Signup ob=new Signup();
    ob.setVisible(true);
}

private void ForgotActionPerformed(ActionEvent evt) {
    setVisible(false);
    Forgot ob=new Forgot();
    ob.setVisible(true);
}

public static void main(String args[]) {
    try {
        for (UIManager.LookAndFeelInfo info : UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (Exception e) {}
    EventQueue.invokeLater(new Runnable() {
        public void run() {
            new Login().setVisible(true);
        }
    });
}

private JButton Forgot;
private JButton Login;
private JButton Signup;
private JLabel jLabel1;
private JLabel jLabel2;
private JLabel jLabel7;
private JPanel jPanel2;
private JPanel jPanel6;
private JPasswordField jPasswordField1;
private JTextField jTextField1;
}

```

The screenshot shows a Java Swing window titled "Login". The window has a red title bar with standard OS controls (minimize, maximize, close). The main content area has a light gray background. At the top center, there is a black-bordered box containing the text "Login Form". Below this, there is a white-bordered box containing the form elements: a "Username" label followed by a text input field, a "Password" label followed by a password input field, and three buttons at the bottom: "Login", "Signup", and "Forgot Password".

8. Payment_Option.java

```
/*
 * 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 saqib khan
 */
public class Payment_Option extends javax.swing.JFrame {

    /**
     * Creates new form Payment_Option
     */
    public Payment_Option() {
        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();
        Credit_Card = new javax.swing.JButton();
        Debit_Card = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 3));

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
        jLabel1.setText("Payment Option");

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(20, 20, 20)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 160,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(21, Short.MAX_VALUE))
        );
    }
}
```

```

jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

Credit_Card.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Credit_Card.setText("Credit Card");
Credit_Card.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        Credit_CardActionPerformed(evt);
    }
});

Debit_Card.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Debit_Card.setText("Debit Card");
Debit_Card.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        Debit_CardActionPerformed(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(142, 142, 142)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(142, 142, 142)
        )
        .addGroup(layout.createSequentialGroup()
            .addGap(81, 81, 81)
            .addComponent(Debit_Card)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 119,
Short.MAX_VALUE)
            .addComponent(Credit_Card)
            .addGap(101, 101, 101)
        )
    );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(46, 46, 46)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(Debit_Card, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(Credit_Card, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(85, 85, 85)
        )
    );

```

```

    );

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

private void Credit_CardActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Credit_Card ob=new Credit_Card();
    ob.setVisible(true);
}

private void Debit_CardActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Debit_Card ob= new Debit_Card();
    ob.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(Payment_Option.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

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

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

```



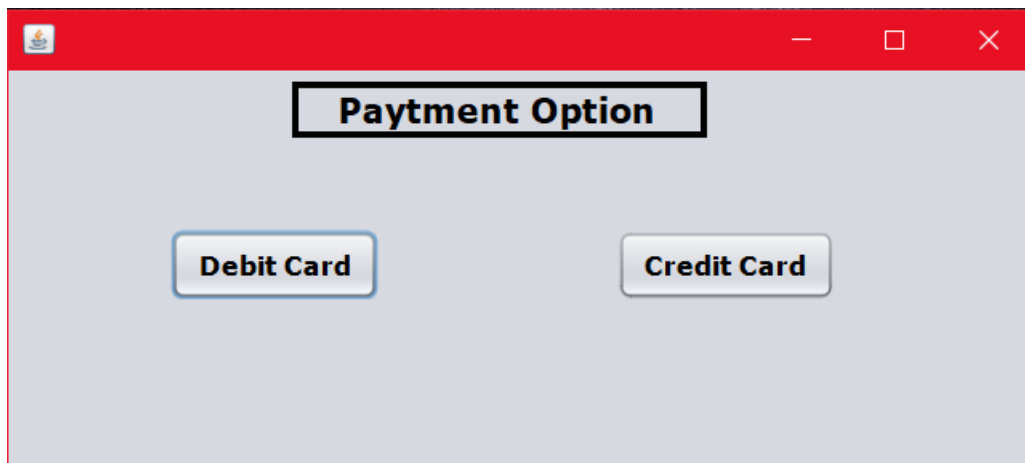
```

java.util.logging.Logger.getLogger(Payment_Option.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_Option().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton Credit_Card;
private javax.swing.JButton Debit_Card;
private javax.swing.JLabel jLabel1;
private javax.swing.JPanel jPanel1;
// End of variables declaration
}

```



9. Search_Flight_Details.java

```
import java.sql.*;
import java.text.DateFormat;
import java.text.ParseException;
import java.text.SimpleDateFormat;
import java.util.Vector;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import java.util.Random;
import javax.swing.JFrame;
/*
 * 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 saqib khan
 */
public class Search_Flight_Details extends javax.swing.JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;

    /**
     * Creates new form Search_Flight_Details
     */
    public Search_Flight_Details() {
        initComponents();
        conn=javaconnect.ConnectDb();
        Random();
    }

    public void Random(){
        Random rd=new Random();
        tno.setText(""+rd.nextInt(1000+1));
    }

    /**
     * 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();
txtsource = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
txtdestination = new javax.swing.JTextField();
search_flight = new javax.swing.JButton();
jScrollPane1 = new javax.swing.JScrollPane();
jTable = new javax.swing.JTable();
Date = new com.toedter.calendar.JDateChooser();
jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
fid = new javax.swing.JTextField();
jLabel6 = new javax.swing.JLabel();
fname = new javax.swing.JTextField();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
source = new javax.swing.JTextField();
dest = new javax.swing.JTextField();
jLabel9 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
atime = new javax.swing.JTextField();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
dtime = new javax.swing.JTextField();
fprice = new javax.swing.JTextField();
Date1 = new com.toedter.calendar.JDateChooser();
jLabel13 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
tno = new javax.swing.JTextField();
jLabel15 = new javax.swing.JLabel();
seats = new javax.swing.JSpinner();
tarea = new java.awt.TextArea();
home = new javax.swing.JButton();
bticket = new javax.swing.JButton();
jLabel16 = new javax.swing.JLabel();
tpprice = new javax.swing.JTextField();
jLabel17 = new javax.swing.JLabel();
Exit = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel1.setText("Search Flight Details");

jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel2.setText("Source:");

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

```

```

});

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel3.setText("Destination:");

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

search_flight.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
search_flight.setText("Search");
search_flight.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        search_flightActionPerformed(evt);
    }
});

jTable.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N
jTable.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

        },
    new String [] {
        "Flight_Id", "Flight_Name", "Source", "Destination", "Date", "Arrival_Time", "Departure_Time",
"Flight_Price"
    }
));
jTable.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jTableMouseClicked(evt);
    }
});
jScrollPane1.setViewportView(jTable);

jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel4.setText("Date:");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel5.setText("Flight Id:");

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel6.setText("Flight Name:");

jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel7.setText("Source:");

jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel8.setText("Destination:");

jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

```

```

jLabel9.setText("Date:");

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel10.setText("Arrival Time:");

jLabel11.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel11.setText("Departure Time:");

jLabel12.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel12.setText("Price:");

jLabel13.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel13.setText("Customer Name:");

jLabel14.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel14.setText("Ticket No:");

jLabel15.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel15.setText("Seats:");

seats.addChangeListener(new javax.swing.event.ChangeListener() {
    public void stateChanged(javax.swing.event.ChangeEvent evt) {
        seatsStateChanged(evt);
    }
});

home.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
home.setText("Home");
home.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        homeActionPerformed(evt);
    }
});

bticket.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
bticket.setText("Book Ticket");
bticket.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        bticketActionPerformed(evt);
    }
});

jLabel16.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel16.setText("Total Price:");

jLabel17.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel17.setText("Ticket Booking Form");

Exit.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Exit.setText("Exit");
Exit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```
ExitActionPerformed(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()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(jLabel2)
                .addGap(18, 18, 18))
            .addComponent(txtsource, javax.swing.GroupLayout.PREFERRED_SIZE, 133,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(31, 31, 31)
            .addComponent(jLabel3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(txtdestination, javax.swing.GroupLayout.PREFERRED_SIZE, 137,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(31, 31, 31)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 63,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addComponent(Date, javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGap(60, 60, 60)
                .addComponent(search_flight))
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 830,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(66, 66, 66)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(fid, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(fname, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(source, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```

        .addComponent(dest, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(tno, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(257, 257, 257)))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(249, 249, 249))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel6, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel5, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 109, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(layout.createSequentialGroup()
        .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(Date1, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(atime, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED_SIZE, 192,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGap(86, 86, 86))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel15, javax.swing.GroupLayout.PREFERRED_SIZE, 112,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(layout.createSequentialGroup())

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(jLabel11)
        .addGroup(layout.createSequentialGroup())
        .addComponent(jLabel12)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(fprice, javax.swing.GroupLayout.PREFERRED_SIZE, 56,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(57, 57, 57)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addComponent(jLabel16)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(tprice, javax.swing.GroupLayout.PREFERRED_SIZE, 96,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(dtime, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addComponent(jLabel13))))))
        .addGroup(layout.createSequentialGroup())
        .addGap(446, 446, 446)
        .addComponent(home, javax.swing.GroupLayout.PREFERRED_SIZE, 82,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(47, 47, 47)
        .addComponent(Exit)
        .addGap(54, 54, 54)
        .addComponent(bticket, javax.swing.GroupLayout.PREFERRED_SIZE, 117,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(tarea, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(seats, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 200, javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGap(103, 103, 103))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```



```

        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 46,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(7, 7, 7)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(search_flight, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(tno, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(fid, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .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(fname, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(source, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(dest, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(24, 24, 24)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(Date1, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(atime, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

```

```

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(dtime, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel11, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 34, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(fprice, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(tprice, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(21, 21, 21)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel15, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(seats, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(tarea, javax.swing.GroupLayout.PREFERRED_SIZE, 62,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(txtsource, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(layout.createSequentialGroup()
                    .addGap(1, 1, 1)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(txtdestination, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addComponent(Date, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 42, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(38, 38, 38)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 363,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(110, 110, 110)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(Exit, javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(bticket, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(home, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addContainerGap(96, Short.MAX_VALUE))
    );

```

```

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

```

```

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

```

```

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

```

```

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

```

```

    String source=txtsource.getText().toString();
    String destination=txtdestination.getText().toString();
    DateFormat da=new SimpleDateFormat("yyyy-MM-dd");
    String date=da.format(Date.getDate());
    String sql="select * from flight where Source=? and Destination=? and Date=? ";
    try{
        pst=conn.prepareStatement(sql);
        pst.setString(1,source);
        pst.setString(2,destination);
        pst.setString(3,date);
        ResultSet rs=pst.executeQuery();

```

```

        ResultSetMetaData rsm=rs.getMetaData();
        int c;
        c=rsm.getColumnCount();
        DefaultTableModel Df=(DefaultTableModel)jTable.getModel();
        Df.setRowCount(0);
        while(rs.next()){
            Vector v2=new Vector();
            for(int i=1; i<=c; i++){
                v2.add(rs.getString("Flight_Id"));
                v2.add(rs.getString("Flight_Name"));
                v2.add(rs.getString("Source"));
                v2.add(rs.getString("Destination"));
                v2.add(rs.getString("Date"));
                v2.add(rs.getString("Arrival_Time"));
                v2.add(rs.getString("Departure_Time"));

                v2.add(rs.getString("Flight_Price"));

```

```

            }

```

```

        Df.addRow(v2);

    }

}

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

}

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

        DefaultTableModel Df=(DefaultTableModel)jTable.getModel();
        int selectIndex=jTable.getSelectedRow();
        fid.setText(Df.getValueAt(selectIndex,0).toString());
        fname.setText(Df.getValueAt(selectIndex,1).toString());
        source.setText(Df.getValueAt(selectIndex,2).toString());
        dest.setText(Df.getValueAt(selectIndex,3).toString());
        java.util.Date date=new SimpleDateFormat("yyyy-MM-dd").parse(Df.getValueAt(selectIndex,
4).toString());
        Date1.setDate(date);
        atime.setText(Df.getValueAt(selectIndex,5).toString());
        dtime.setText(Df.getValueAt(selectIndex,6).toString());
        fprice.setText(Df.getValueAt(selectIndex,7).toString());

    } catch (ParseException ex) {
        Logger.getLogger(Search_Flight_Details.class.getName()).log(Level.SEVERE, null, ex);
    }

}

private void seatsStateChanged(javax.swing.event.ChangeEvent evt) {
    // TODO add your handling code here:
    int price = Integer.parseInt(fprice.getText());

    int qty = Integer.parseInt(seats.getValue().toString());
    int tot=price *qty;
    tprice.setText(String.valueOf(tot));

}

```

```

private void bticketActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Payment_Option ob=new Payment_Option();
    ob.setVisible(true);
    DateFormat da=new SimpleDateFormat("yyyy-MM-dd");
    String date=da.format(Date1.getDate());
    String seat=seats.getValue().toString();

    try {
        String sql="insert into
book_ticket(Ticket_No,Flight_Id,Flight_Name,Source,Destination,Date,Arrival_Time,Departure_Time,Total_P
rice,Seats,C_Name)values(?,?,?,?,?,?,?,?,?,?,?)";

        pst=conn.prepareStatement(sql);
        pst.setString(1, tno.getText());
        pst.setString(2, fid.getText());
        pst.setString(3, fname.getText());
        pst.setString(4, source.getText());
        pst.setString(5, dest.getText());
        pst.setString(6,date);
        pst.setString(7, atime.getText());
        pst.setString(8, dtime.getText());
        pst.setString(9, tprice.getText());
        pst.setString(10,seat);
        pst.setString(11, tarea.getText());

        pst.execute();

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

private void homeActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Home ob=new Home();
    ob.setVisible(true);
}

private void ExitActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    JFrame frame=new JFrame("EXIT");
    if(JOptionPane.showConfirmDialog(frame, "Confirm if you want to exit","EXIT",
        JOptionPane.YES_NO_OPTION)==JOptionPane.YES_NO_OPTION)
    {
        System.exit(0);
    }
}

/**

```

```

* @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(Search_Flight_Details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(Search_Flight_Details.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 Search_Flight_Details().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private com.toedter.calendar.JDateChooser Date;
private com.toedter.calendar.JDateChooser Date1;
private javax.swing.JButton Exit;
private javax.swing.JTextField atime;
private javax.swing.JButton bticket;
private javax.swing.JTextField dest;
private javax.swing.JTextField dtime;
private javax.swing.JTextField fid;

```


10. Signup.java

```
import java.sql.*;
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.util.logging.*;

public class Signup extends JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;

    public Signup() {
        super("Login");
        initComponents();
        conn=javaconnect.ConnectDb();
    }

    private void initComponents() {

        jPanel1 = new JPanel();
        jLabel2 = new JLabel();
        jLabel3 = new JLabel();
        jLabel4 = new JLabel();
        jLabel5 = new JLabel();
        Username = new JTextField();
        Name = new JTextField();
        Password = new JTextField();
        Sec_Q = new JComboBox<>();
        Answer = new JTextField();
        create = new JButton();
        jLabel1 = new JLabel();
        back = new JButton();
        jPanel2 = new JPanel();
        jLabel6 = new JLabel();

        setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBorder(BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

        jLabel2.setFont(new Font("Tahoma", 1, 14));
        jLabel2.setText("Username");

        jLabel3.setFont(new Font("Tahoma", 1, 14));
        jLabel3.setText("Password");

        jLabel4.setFont(new Font("Tahoma", 1, 14));
        jLabel4.setText("Sec_Q");

        jLabel5.setFont(new Font("Tahoma", 1, 14));
        jLabel5.setText("Answer");
```



```

Username.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent evt) {
        UsernameActionPerformed(evt);
    }
});

Sec_Q.setFont(new Font("Tahoma", 1, 14));
Sec_Q.setModel(new DefaultComboBoxModel<>(new String[] { "what is your nick name?", "what is your
father nick name?", "what is your first school name?", " ", " " }));

create.setFont(new Font("Tahoma", 1, 14));
create.setText("create");
create.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent evt) {
        createActionPerformed(evt);
    }
});

jLabel1.setFont(new Font("Tahoma", 1, 14));
jLabel1.setText("Name");

back.setFont(new Font("Tahoma", 1, 14));
back.setText("back");
back.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent evt) {
        backActionPerformed(evt);
    }
});

GroupLayout jPanel1Layout = new GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(39, 39, 39)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jLabel4, 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(jLabel1, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 81, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(create, javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel3, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

```

```

        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 99,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(49, 49, 49)
        .addComponent(back, javax.swing.GroupLayout.PREFERRED_SIZE, 83,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(Sec_Q, javax.swing.GroupLayout.PREFERRED_SIZE, 220,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent>Password, javax.swing.GroupLayout.PREFERRED_SIZE, 220,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
        .addGap(149, 149, 149)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(Uname)
        .addComponent(Name, javax.swing.GroupLayout.PREFERRED_SIZE, 218,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(Answer, javax.swing.GroupLayout.PREFERRED_SIZE, 220,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(41, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(Uname, javax.swing.GroupLayout.DEFAULT_SIZE, 31,
Short.MAX_VALUE))
        .addGap(16, 16, 16)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(5, 5, 5)
        .addComponent(Name, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

```

```

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(Password, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(Sec_Q))
        .addGap(20, 20, 20)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 28,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(Answer, javax.swing.GroupLayout.DEFAULT_SIZE, 28, Short.MAX_VALUE))
        .addGap(24, 24, 24)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(create)
        .addComponent(back))
        .addGap(44, 44, 44))
);

```

```

jPanel2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0), 2));

```

```

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14));

```

```

jLabel6.setText("Signup");

```

```

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(25, 25, 25)
            .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 56,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(25, Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
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()

```

```

            .addGap(238, 238, 238)

```

```

        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
        .addContainerGap(80, Short.MAX_VALUE)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(68, 68, 68))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
        .addGap(22, 22, 22)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(32, 32, 32)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(49, Short.MAX_VALUE))
    );

    pack();
}

```

```

private void UsernameActionPerformed(ActionEvent evt) {}

```

```

private void createActionPerformed(ActionEvent evt) {

```

```

    String s=Password.getText();
//For Uppercase letter
boolean b1=false;
for(int i=0;i<s.length();i++){
if((int)s.charAt(i)<=90 && (int)s.charAt(i)>=65){
b1=true;
}
}
//For Numerical
boolean b2=false;
for(int i=0;i<s.length();i++){
if((int)s.charAt(i)<=57 && (int)s.charAt(i)>=48){
b2=true;
}
}

//For Special Character
boolean b3=false;
for(int i=0;i<s.length();i++){
if(((int)s.charAt(i)<=47 &&
(int)s.charAt(i)>=33)||((int)s.charAt(i)<=64 && (int)s.charAt(i)>=58)){
b3=true;
}
}
}

```

```

if(s.length()>=6 && b1 && b2 && b3){
try{
String sql="Insert into Account(Username,Name>Password,Sec_Q,Answer)values(?,?,?,?)";
pst=conn.prepareStatement(sql);
pst.setString(1,Username.getText());
pst.setString(2,Name.getText());
pst.setString(3>Password.getText());
pst.setString(4,(String) Sec_Q.getSelectedItem());
pst.setString(5,Answer.getText());

pst.execute();
JOptionPane.showMessageDialog(null, "New Account Created");
}catch(Exception e){
JOptionPane.showMessageDialog(null, e);
}
}else {
JOptionPane.showMessageDialog(null, "Password should contain atleast 6 Characters which includes 1 Capital
letter, 1 Numerical and 1 Special Character");
}
}

private void backActionPerformed(ActionEvent evt) {
setVisible(false);
Login ob=new Login();
ob.setVisible(true);
}

public static void main(String args[]) {
try {
for (UIManager.LookAndFeelInfo info : UIManager.getInstalledLookAndFeels()) {
if ("Nimbus".equals(info.getName())) {
UIManager.setLookAndFeel(info.getClassName());
break;
}
}
} catch (ClassNotFoundException ex) {
Logger.getLogger(Signup.class.getName()).log(Level.SEVERE, null, ex);
} catch (InstantiationException ex) {
Logger.getLogger(Signup.class.getName()).log(Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {
Logger.getLogger(Signup.class.getName()).log(Level.SEVERE, null, ex);
} catch (UnsupportedLookAndFeelException ex) {
Logger.getLogger(Signup.class.getName()).log(Level.SEVERE, null, ex);
}

java.awt.EventQueue.invokeLater(new Runnable() {
public void run() {
new Signup().setVisible(true);
}
});
}
}

```

```

private JTextField Answer;
private JTextField Name;
private JTextField Password;
private JComboBox<String> Sec_Q;
private JTextField Username;
private JButton back;
private JButton create;
private JLabel jLabel1;
private JLabel jLabel2;
private JLabel jLabel3;
private JLabel jLabel4;
private JLabel jLabel5;
private JLabel jLabel6;
private JPanel jPanel1;
private JPanel jPanel2;
}

```

11. Javaconnect.java

```

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

public class javaconnect {
    Connection conn;
    public static Connection ConnectDb(){
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3308/Airline1","root","");
            return conn;
        }catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
            return null;
        }
    }
}

```

VALIDATION –

1) SIGN UP MODULE -

Field : Password

Condition :

- Should contain at least 6 characters
- Should contain at least 1 Uppercase letter
- Should contain at least 1 Numerical
- Should contain at least 1 special character

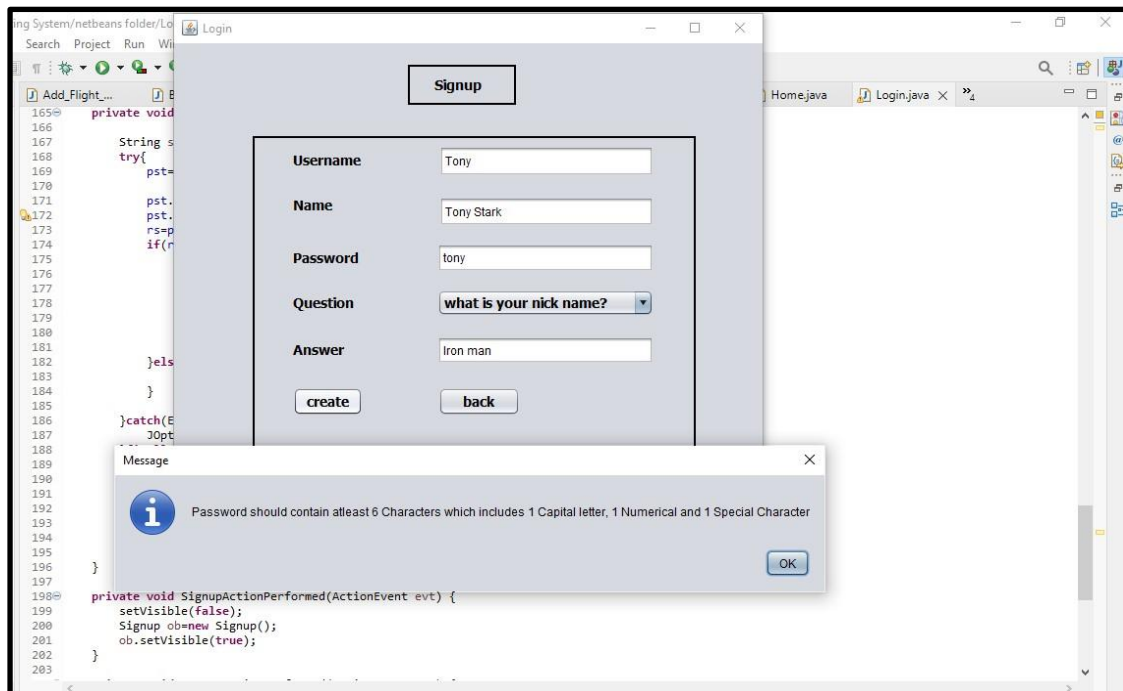
Code:

```
String s=Password.getText();
//For Uppercase letter
boolean b1=false;
for(int i=0;i<s.length();i++){
if(((int)s.charAt(i)<=90 && (int)s.charAt(i)>=65){
b1=true;
}
}
//For Numerical
boolean b2=false;
for(int i=0;i<s.length();i++){
if(((int)s.charAt(i)<=57 && (int)s.charAt(i)>=48){
b2=true;
}
}

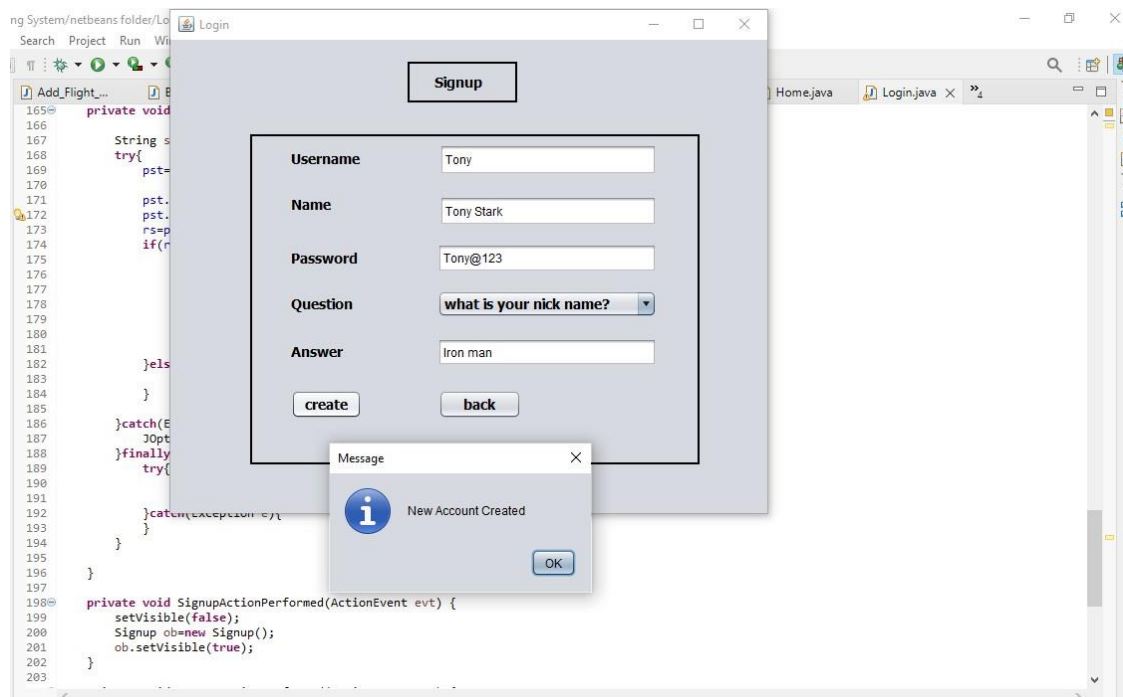
//For Special Character
boolean b3=false;
for(int i=0;i<s.length();i++){
if(((int)s.charAt(i)<=47 &&
(int)s.charAt(i)>=33)||((int)s.charAt(i)<=64 && (int)s.charAt(i)>=58)){
b3=true;
}
}
if(s.length()>=6 && b1 && b2 && b3){
try{
String sql="Insert into
Account(Username,Name>Password,Sec_Q,Answer)values(?,?,?,?)";
pst=conn.prepareStatement(sql);
pst.setString(1,Username.getText());
pst.setString(2,Name.getText());
pst.setString(3>Password.getText());
pst.setString(4,(String) Sec_Q.getSelectedItem());
pst.setString(5,Answer.getText());

pst.execute();
JOptionPane.showMessageDialog(null, "New Account Created");
}catch(Exception e){
JOptionPane.showMessageDialog(null, e);
}
}else {
JOptionPane.showMessageDialog(null, "Password should contain
atleast 6 Characters which includes 1 Capital letter, 1 Numerical and 1 Special
Character");
}
```

Test Case-1



Test Case-2



2) ADD FLIGHT DETAILS MODULE -

Field : Flight ID

Condition : Should contain only 3 digits

Field : Arrival Time

Condition : Should be a valid time in 24 hour format

Field : Departure Time

Condition : Should be a valid time in 24 hour format

Code:

// Validation of Flight ID

boolean b=false;

if(fid.getText().length()==3){

b=true;

}

// Validation of Arrival Time

boolean b1=false;

if(((int)(atime.getText().charAt(0))==48 ||

(int)(atime.getText().charAt(0))==49) && (int)(atime.getText().charAt(1))<=57

&& (int)(atime.getText().charAt(1))>=48){

if(((int)(atime.getText().charAt(3))>=48 &&

(int)(atime.getText().charAt(3))<54) && (int)(atime.getText().charAt(4))<=57 &&

(int)(atime.getText().charAt(4))>=48){

b1=true;

}

}else if(((int)(atime.getText().charAt(0))==50)&&

(int)(atime.getText().charAt(1))<52 && (int)(atime.getText().charAt(1))>=48){

if(((int)(atime.getText().charAt(3))>=48 &&

(int)(atime.getText().charAt(3))<54) && (int)(atime.getText().charAt(4))<=57 &&

(int)(atime.getText().charAt(4))>=48){

b1=true;

}

}

// Validation of Departure Time

boolean b2=false;

if(((int)(dtime.getText().charAt(0))==48 ||

(int)(dtime.getText().charAt(0))==49) && (int)(dtime.getText().charAt(1))<=57

&& (int)(dtime.getText().charAt(1))>=48){

if(((int)(dtime.getText().charAt(3))>=48 &&

(int)(dtime.getText().charAt(3))<54) && (int)(dtime.getText().charAt(4))<=57

&& (int)(dtime.getText().charAt(4))>=48){

b2=true;

}

}else if(((int)(dtime.getText().charAt(0))==50)&&

(int)(dtime.getText().charAt(1))<52 && (int)(dtime.getText().charAt(1))>=48){

if(((int)(dtime.getText().charAt(3))>=48 &&

(int)(dtime.getText().charAt(3))<54) && (int)(dtime.getText().charAt(4))<=57

&& (int)(dtime.getText().charAt(4))>=48){

b2=true;

}

}

```
if(b && b1 && b2){
pst.execute();
fetch();
}
```

```
JOptionPane.showMessageDialog(null, "Flight Added Successfully");
}else {
JOptionPane.showMessageDialog(null,"Invalid Field");
}
```

Test Case-1

Add Flight Details

Flight Id:

8342

Date:

15-Dec-2021

Flight Name:

Go India

Arrival Time:

21:05

Source:

America

Departure Time:

03:20

Destination:

Jagtial

Flight price:

10000

Flight_Id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_...	Flight_Price
248	Air India	Pune	Hyderabad	2021-12-14	21:05	03:15	6500
354	Spicejet	Paris	Goa	2021-12-17	11:20	22:24	10000
947	Indigo	Mumbai	Delhi	2021-12-13	21:05	06:55	5000

Message

i

Invalid Field

OK

AddDeleteUpdateSearchHomeExit

Add Flight Details

Flight Id:	<input type="text" value="834"/>	Date:	<input type="text" value="15-Dec-2021"/>	
Flight Name:	<input type="text" value="Go India"/>	Arrival Time:	<input type="text" value="95:05"/>	
Source:	<input type="text" value="America"/>	Departure Time:	<input type="text" value="03:20"/>	
Destination:	<input type="text" value="Jagtlal"/>	Flight price:	<input type="text" value="10000"/>	

Flight_Id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_...	Flight_Price
240	Air India	Pune	Hyderabad	2021-12-14	21:05	03:15	6500
354	Spicejet	Paris	Goa	2021-12-17	11:20	22:24	10000
947	Indigo	Mumbai	Delhi	2021-12-13	21:05	06:55	5000

Message

 Invalid Field

OK

Add Delete Update Search Home Exit

Add Flight Details

Flight Id:

834

Date:

15-Dec-2021

Flight Name:

Go India

Arrival Time:

21:05

Source:

America

Departure Time:

03:96

Destination:

Jagtlal

Flight price:

10000

Flight_Id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_...	Flight_Price
248	Air India	Pune	Hyderabad	2021-12-14	21:05	03:15	6500
354	Spicejet	Paris	Goa	2021-12-17	11:20	22:24	10000
947	Indigo	Mumbai	Delhi	2021-12-13	21:05	06:55	5000

Message

X

i Invalid Field

OK

AddDeleteUpdateSearchHomeExit

Test Case-4

Add Flight Details

Flight Id: 834 Date: 15-Dec-2021

Flight Name: Go India Arrival Time: 21:05

Source: America Departure Time: 03:20

Destination: Jagtial Flight price: 10000

Flight_Id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_...	Flight_Price
834	Go India	America	Jagtial	2021-12-15	21:05	03:20	10000
248	Air India	Pune	Hyderabad	2021-12-14	21:05	03:15	6500
354	Spicejet	Paris	Goa	2021-12-17	11:20	22:24	10000
947	Indigo	Mumbai	Delhi	2021-12-13	21:05	06:55	5000

Message: Flight Added Successfully

Buttons: Add, Delete, Update, Search, Home, Exit

3) CANCEL TICKET MODULE -

Field : Flight ID

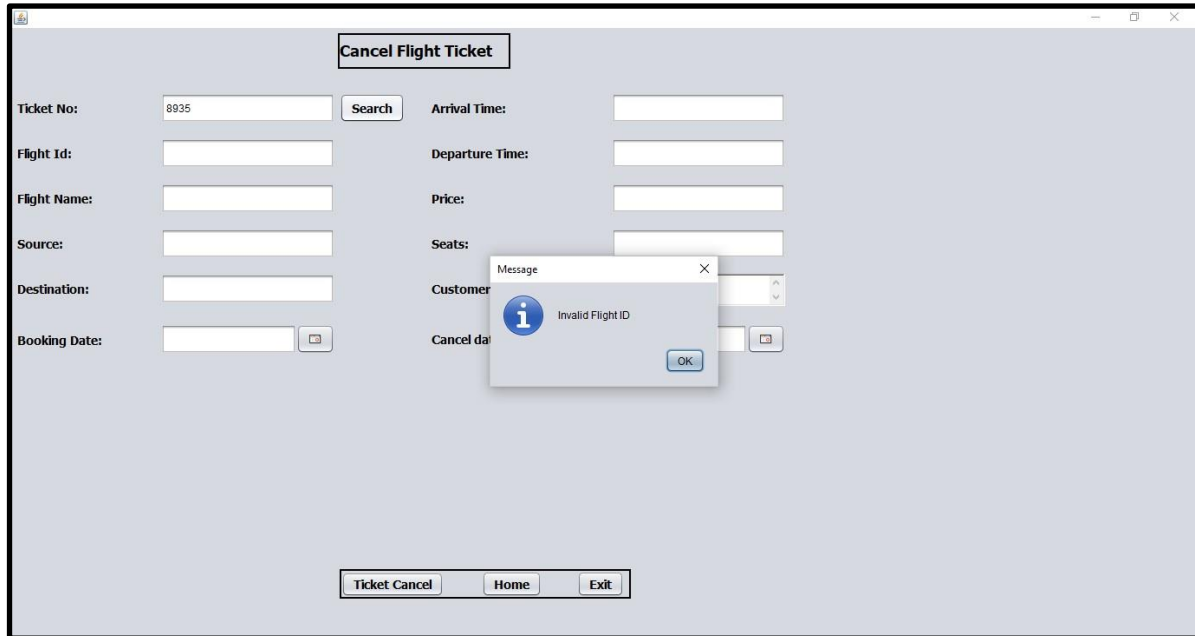
Condition : Should contain only 3 digits

Code:

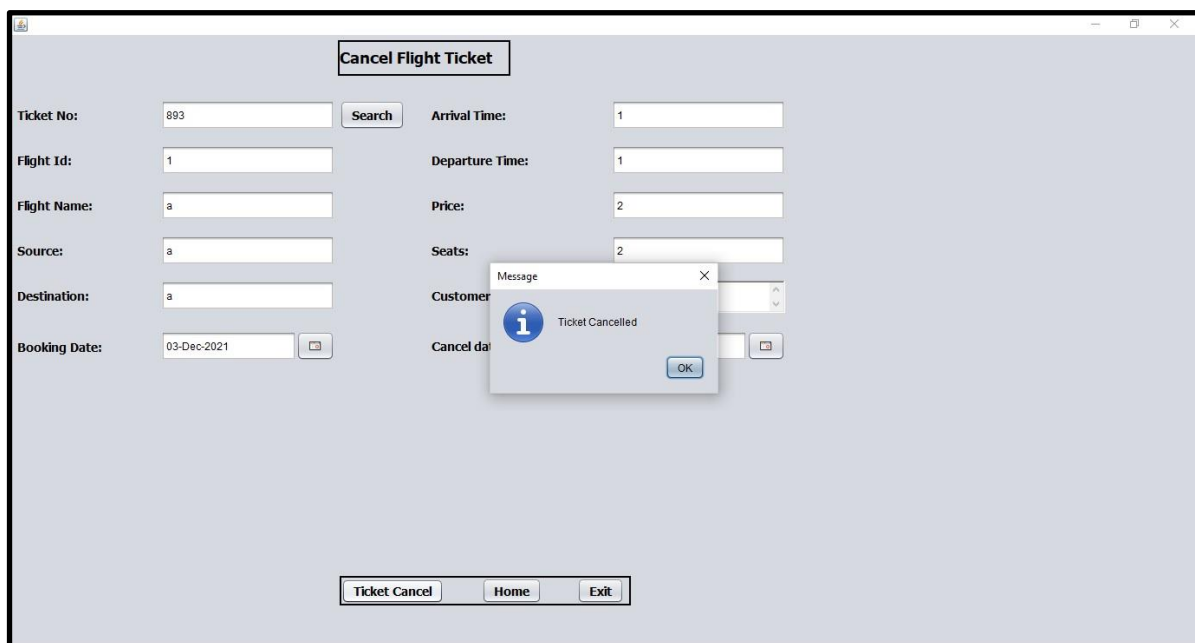
```
if(tno.getText().length()==3) {
    rs=pst.executeQuery();
    if(rs.next()){
        String add1=rs.getString("Flight_Id");
        fid.setText(add1);
        String add2=rs.getString("Flight_Name");
        fname.setText(add2);
        String add3=rs.getString("Source");
        source.setText(add3);
        String add4=rs.getString("Destination");
        dest.setText(add4);
        cdate.setDate(date);
        String add6=rs.getString("Arrival_Time");
        arrival.setText(add6);
        String add7=rs.getString("Departure_Time");
        dept.setText(add7);
        String add9=rs.getString("Seats");
        seat.setText(add9);
        String add10=rs.getString("C_Name");
        cname.setText(add10);
    }
    else{
        JOptionPane.showMessageDialog(null, "This id not registered");
    }
}
```

```
}else {  
JOptionPane.showMessageDialog(null, "Invalid Flight ID");  
}
```

Test Case-1



Test Case-2



4) PAYMENT - DEBIT CARD MODULE

Field : Card Number

Condition : Should contain only 16 digits

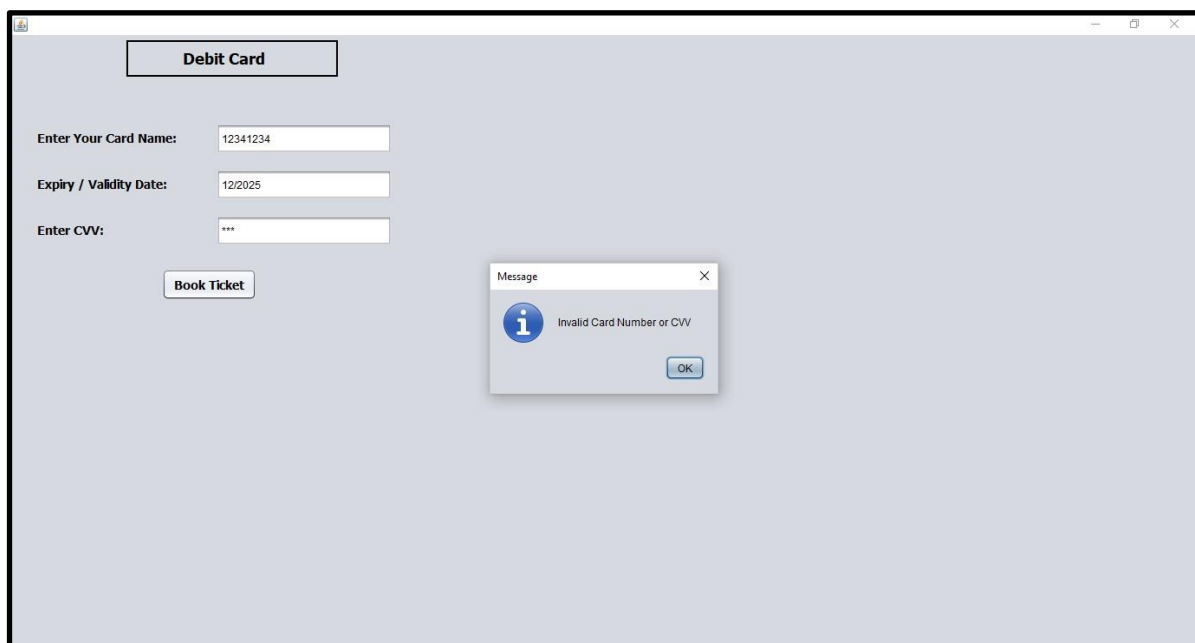
Field : CVV

Condition : Should contain only 3 digits

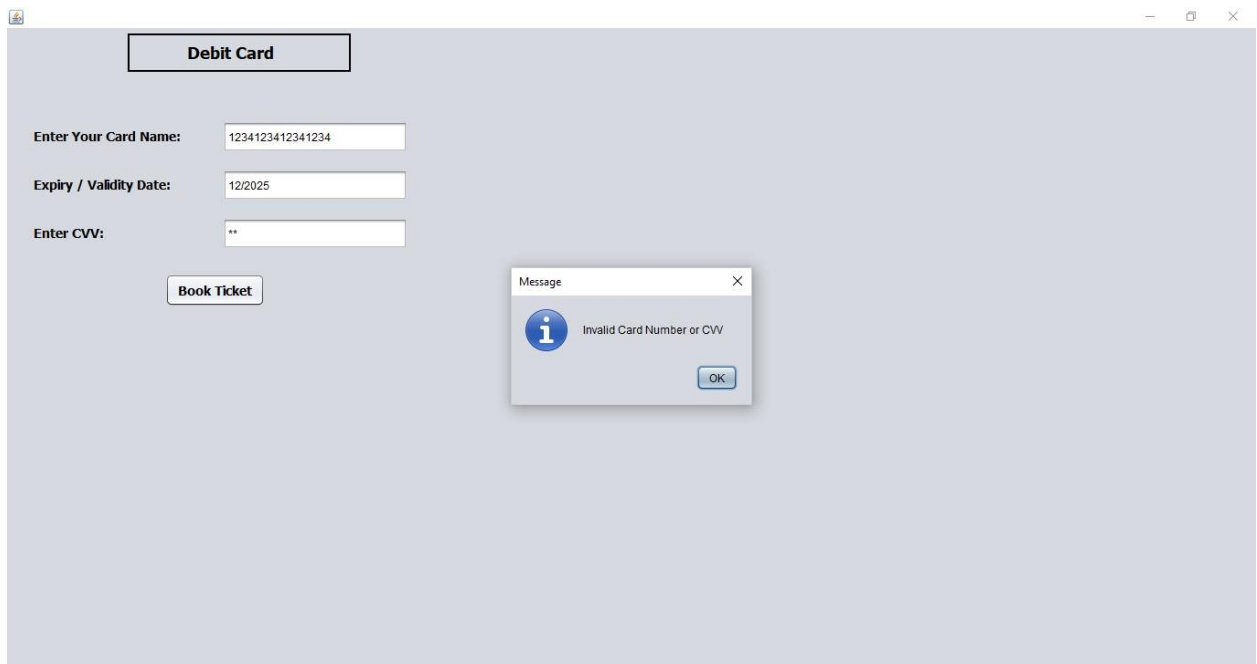
Code:

```
if(atime.getText().length()==16 && atime2.getText().length()==3) {  
    JOptionPane.showMessageDialog(null, "Ticket Booked Successfully!  
Happy Journey :)");  
}else {  
    JOptionPane.showMessageDialog(null, "Invalid Card Number or  
CVV");  
}
```

Test Case-1



Test Case-2



The screenshot shows a web application window titled "Debit Card". It contains three input fields: "Enter Your Card Name:" with the value "1234123412341234", "Expiry / Validity Date:" with the value "12/2025", and "Enter CVV:" with the value "**". A "Book Ticket" button is located below the CVV field. A message dialog box is displayed in the center, titled "Message", with an information icon and the text "Invalid Card Number or CVV". An "OK" button is at the bottom right of the dialog box.

Debit Card

Enter Your Card Name: 1234123412341234

Expiry / Validity Date: 12/2025

Enter CVV: **

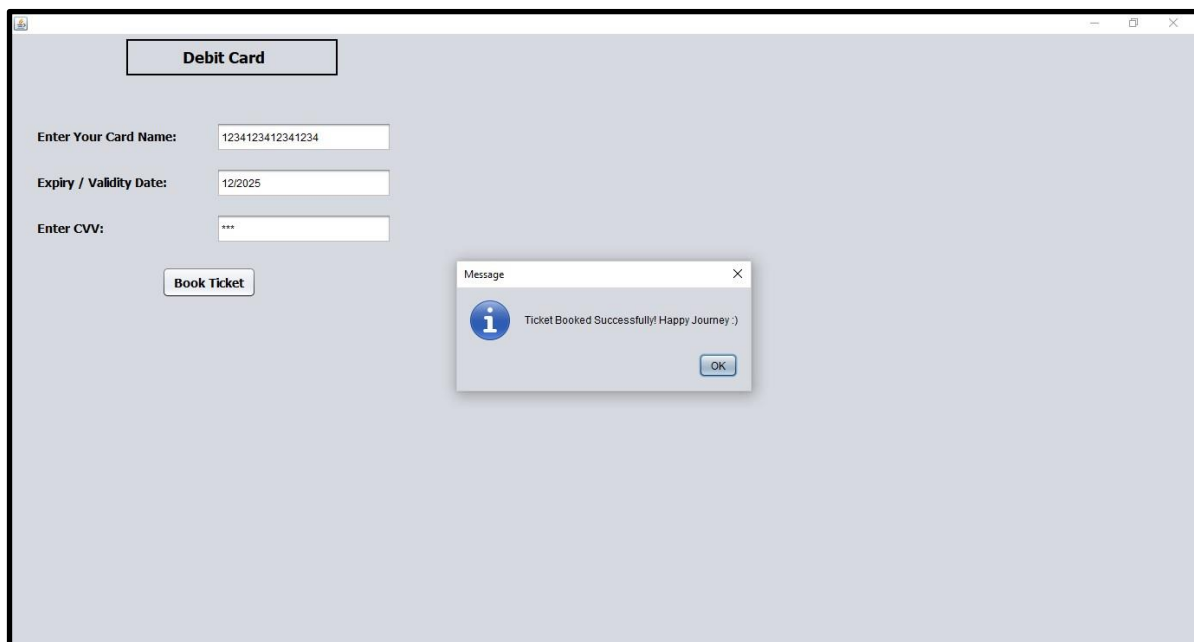
Book Ticket

Message

Invalid Card Number or CVV

OK

Test Case-3



The screenshot shows the same web application window as in Test Case-2, but with a different message dialog box. The input fields and the "Book Ticket" button are the same. The message dialog box is titled "Message", has an information icon, and displays the text "Ticket Booked Successfully! Happy Journey :)". An "OK" button is at the bottom right of the dialog box.

Debit Card

Enter Your Card Name: 1234123412341234

Expiry / Validity Date: 12/2025

Enter CVV: ***

Book Ticket

Message

Ticket Booked Successfully! Happy Journey :)

OK

5) PAYMENT - CREDIT CARD MODULE

Field : Card Number

Condition : Should contain only 16 digits

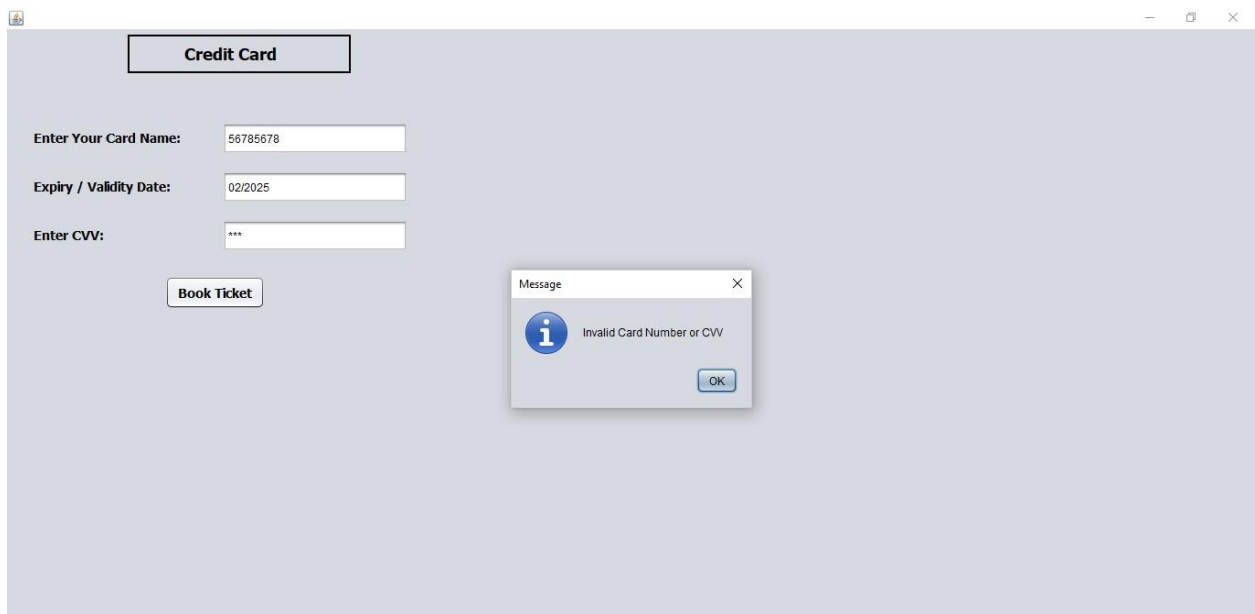
Field : CVV

Condition : Should contain only 3 digits

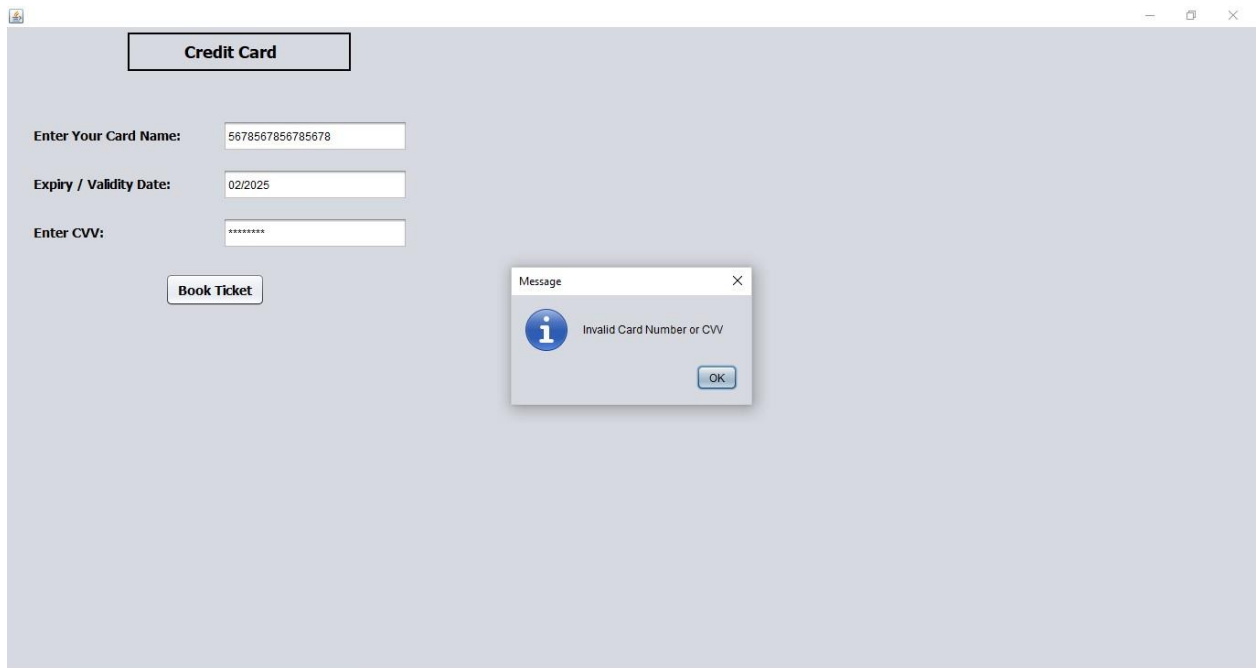
Code:

```
if(atime.getText().length()==16 && atime2.getText().length()==3) {  
    JOptionPane.showMessageDialog(null, "Ticket Booked Successfully!  
Happy Journey :)");  
} else {  
    JOptionPane.showMessageDialog(null, "Invalid Card Number or  
CVV");  
}
```

Test Case-1

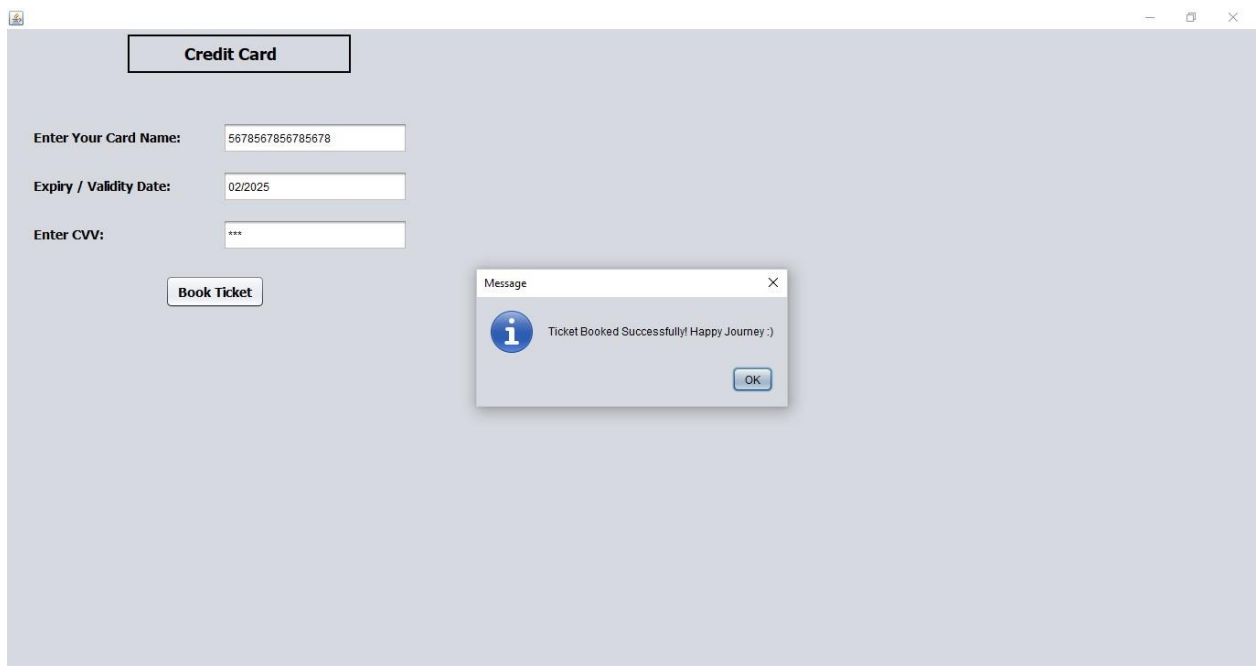


Test Case-2



The screenshot displays a web application window titled "Credit Card". It contains three input fields: "Enter Your Card Name:" with the value "5678567856785678", "Expiry / Validity Date:" with the value "02/2025", and "Enter CVV:" with the value "*****". A "Book Ticket" button is located below the CVV field. A message dialog box is open in the center of the screen, titled "Message", with a blue information icon and the text "Invalid Card Number or CVV". An "OK" button is at the bottom right of the dialog box.

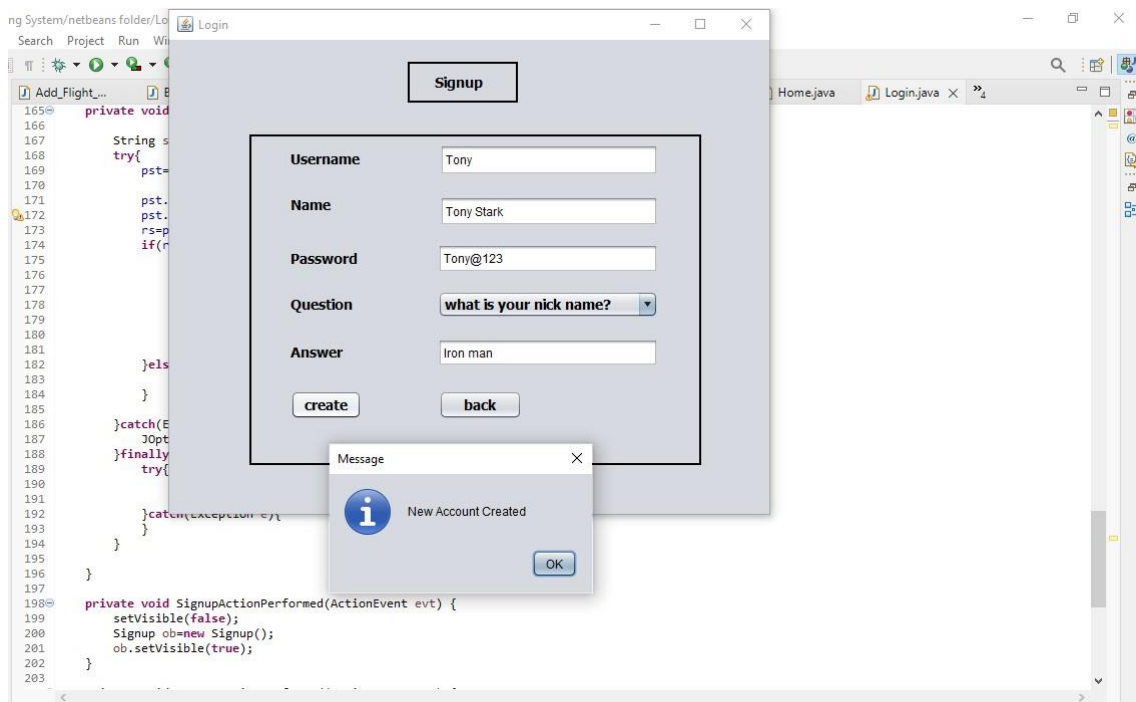
Test Case-3



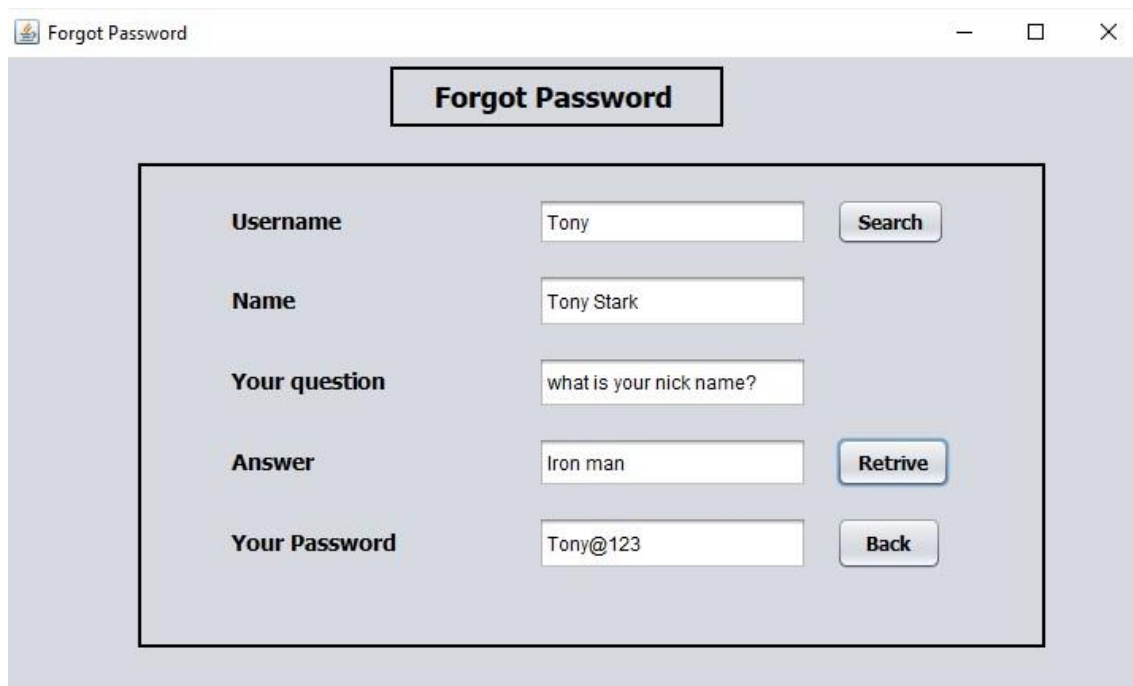
The screenshot displays the same web application window titled "Credit Card". The input fields are the same as in Test Case-2, but the "Enter CVV:" field now contains "***". The "Book Ticket" button is still present. A message dialog box is open in the center of the screen, titled "Message", with a blue information icon and the text "Ticket Booked Successfully! Happy Journey :)". An "OK" button is at the bottom right of the dialog box.

OUTPUT / SNAPSHOT -

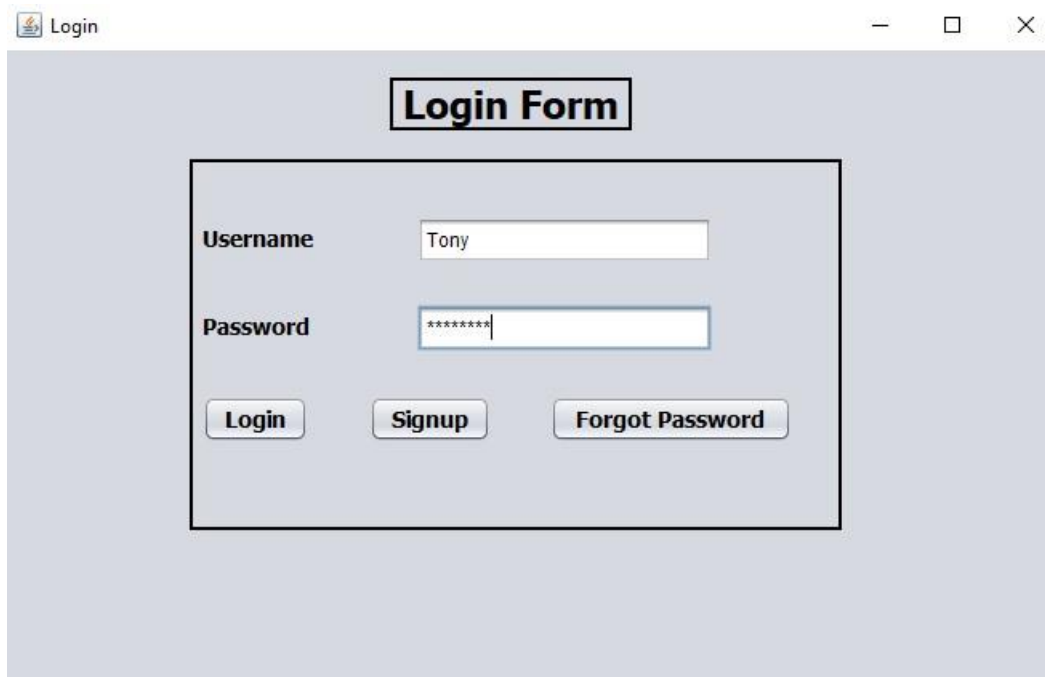
SIGN UP



FORGOT PASSWORD



LOG IN



The screenshot shows a web browser window with the title 'Login'. The main content area is a light gray box containing a 'Login Form' title. Below the title, there are two input fields: 'Username' with the text 'Tony' and 'Password' with masked characters '*****'. Below these fields are three buttons: 'Login', 'Signup', and 'Forgot Password'.

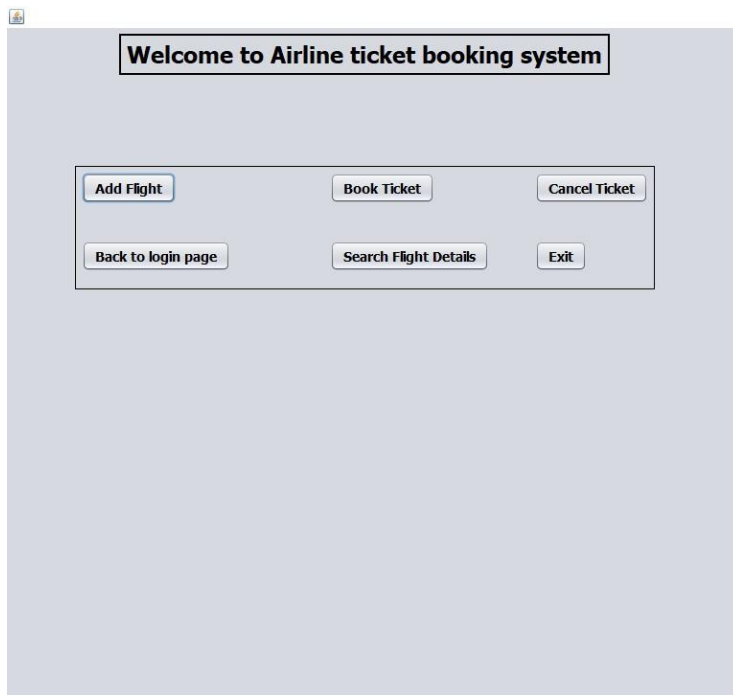
Login Form

Username: Tony

Password: *****

Login Signup Forgot Password

HOME



The screenshot shows a web browser window with a 'Welcome to Airline ticket booking system' message. Below the message, there are six buttons arranged in two rows: 'Add Flight', 'Book Ticket', 'Cancel Ticket' in the first row, and 'Back to login page', 'Search Flight Details', 'Exit' in the second row.

Welcome to Airline ticket booking system

Add Flight Book Ticket Cancel Ticket

Back to login page Search Flight Details Exit

Add Flight Details

Flight Id:	<input type="text" value="834"/>	Date:	<input type="text" value="15-Dec-2021"/>	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Flight_Id</th><th>Flight_Name</th><th>Source</th><th>Destination</th><th>Date</th><th>Arrival_Time</th><th>Departure_...</th><th>Flight_Price</th></tr> </thead> <tbody> <tr> <td>834</td><td>Go India</td><td>America</td><td>Jagtial</td><td>2021-12-15</td><td>21:05</td><td>03:20</td><td>10000</td></tr> <tr> <td>248</td><td>Air India</td><td>Pune</td><td>Hyderabad</td><td>2021-12-14</td><td>21:05</td><td>03:15</td><td>6500</td></tr> <tr> <td>354</td><td>Spicejet</td><td>Paris</td><td>Goa</td><td>2021-12-17</td><td>11:20</td><td>22:24</td><td>10000</td></tr> <tr> <td>947</td><td>Indigo</td><td>Mumbai</td><td>Delhi</td><td>2021-12-13</td><td>21:05</td><td>06:55</td><td>5000</td></tr> </tbody> </table>	Flight_Id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_...	Flight_Price	834	Go India	America	Jagtial	2021-12-15	21:05	03:20	10000	248	Air India	Pune	Hyderabad	2021-12-14	21:05	03:15	6500	354	Spicejet	Paris	Goa	2021-12-17	11:20	22:24	10000	947	Indigo	Mumbai	Delhi	2021-12-13	21:05	06:55	5000
Flight_Id	Flight_Name	Source	Destination		Date	Arrival_Time	Departure_...	Flight_Price																																				
834	Go India	America	Jagtial		2021-12-15	21:05	03:20	10000																																				
248	Air India	Pune	Hyderabad		2021-12-14	21:05	03:15	6500																																				
354	Spicejet	Paris	Goa		2021-12-17	11:20	22:24	10000																																				
947	Indigo	Mumbai	Delhi	2021-12-13	21:05	06:55	5000																																					
Flight Name:	<input type="text" value="Go India"/>	Arrival Time:	<input type="text" value="21:05"/>																																									
Source:	<input type="text" value="America"/>	Departure Time:	<input type="text" value="03:20"/>																																									
Destination:	<input type="text" value="Jagtial"/>	Flight price:	<input type="text" value="10000"/>																																									

Message ✕

Flight Added Successfully

<input type="button" value="Add"/>	<input type="button" value="Delete"/>	<input type="button" value="Update"/>	<input type="button" value="Search"/>	<input type="button" value="Home"/>	<input type="button" value="Exit"/>
------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	-------------------------------------	-------------------------------------

Search Flight Details

Source:

america

Destination:

jagtial

Date:

15-Dec-2021

📅

Search

Flight_Id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_Time	Flight_Price
834	Go India	America	Jagtial	2021-12-15	21:05	03:20	10000

Home

Exit

Book Ticket

Ticket Booking Form

Ticket No:

726

Flight Id:

834

Flight Name:

Go India

Source:

America

Destination:

Jagtial

Date:

15-Dec-2021

📅

Arrival Time:

21:05

Departure Time:

03:20

Price:

10000

Total Price:

10000

Seats:

1

⬆️⬇️⬆️

Customer Name:

Vicky Koushal

⬆️⬇️⬆️

CANCEL TICKET

Cancel Flight Ticket

Ticket No:

893

Search

Flight Id:

1

Flight Name:

a

Source:

a

Destination:

a

Booking Date:

03-Dec-2021

Arrival Time:

1

Departure Time:

1

Price:

2

Seats:

2

Customer

Cancel date

Message

Ticket Cancelled

OK

Ticket Cancel

Home

Exit

PAYMENT OPTION

Payment Option

Debit Card

Credit Card

DEBIT CARD

The screenshot displays a web application window titled "Debit Card". It features three input fields: "Enter Your Card Name:" with the value "1234123412341234", "Expiry / Validity Date:" with the value "12/2025", and "Enter CVV:" with the value "***". Below these fields is a "Book Ticket" button. A modal message box is open, displaying an information icon, the text "Ticket Booked Successfully! Happy Journey :)", and an "OK" button.

CREDIT CARD

The screenshot displays a web application window titled "Credit Card". It features three input fields: "Enter Your Card Name:" with the value "5678567856785678", "Expiry / Validity Date:" with the value "02/2025", and "Enter CVV:" with the value "***". Below these fields is a "Book Ticket" button. A modal message box is open, displaying an information icon, the text "Ticket Booked Successfully! Happy Journey :)", and an "OK" button.

CONCLUSION -

Based on the preparation & analysis of the Airline Ticket Booking System, it can be concluded that the Airline Ticket Booking system is better than the manual System that can be used by the ticketing manager to make transactions for the customers regarding flights. The objective of software planning is to provide a framework that enables the manager to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.