

**A mini project report on**

**AIRLINES MANAGEMENT SYSTEM**

*For the award of the degree*

*of*

**BACHELOR OF TECHNOLOGY**

**In**

**COMPUTER SCIENCE AND ENGINEERING**

**(II Year -II Semester)**

**ADVANCED JAVA PROGRAMMING LAB**

*submitted by*

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**S.R.K.R ENGINEERING COLLEGE (A)**

ChinnaAmiram, Bhimavaram, west Godavari District

[2020 – 2021]

# **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

## **S.R.K.R ENGINEERING COLLEGE**

### **BHIMAVARAM**



## **CERTIFICATE**

This is to certify that this is a bonafide work on “**AIRLINES MANAGEMENT SYSTEM**” and has been submitted by Miss. Pulaparathi Jhansi(19B91A05K7), in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering, during the academic year 2020-2021. The candidate worked right under my Supervision and guidance.

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## **ABSTRACT**

The project titled Airlines Management System is purpose of the Development of AIRLINES MANAGEMENT SYSTEM is a complex online distributed transaction based on client server architecture.

The salient features of the software include allowing user from anywhere to do a booking for a journey in a Airlines from anywhere to anywhere through a phone call or email, handling reservations like modifications and cancellations.

The overall strategic business objective of AMS is to build loyal profitable customer relationships. Customer acquisition and retention are many points to consider. Customer relationship management is a new concept to many organizations. The most forward-thinking organizations devote a lot of energy and resources to the set up and management of a customer relationships management capability.

Customer is the key driving force and all the activities are planned keeping in mind the customer's preferences. This System gives high quality services to customers, for them to be competitive in their market. Understanding customer's business process and provide the best solutions and services using the latest technologies the quality matches international standards terms of precision and timely executions.

Customer segmentation-Airlines need to recognize the mileage based segmentation is in adequate, whereas value based and needs-based approaches can help guide investment decisions and drive greater inside into the needs of high-valued customers.

As airlines grapple with how to deliver a consistent and distinctive customer experience while maintain low operating costs, they turn to the promise of AMS. AMS gradually come back into focus as airlines recognize the importance of effective customer management in establishing long term competitive advantage.

# **1.MODULES**

## **1.1 LOGIN MODULE**

In this module, the admin logs into the system.

## **1.2 MAINFRAME MODULE**

Mainframe module contains specific paths to remaining modules by clicking on the buttons in it such as flights ,passengers list ,bookings and cancellation services .

## **1.3 FLIGHTS MODULE**

The flight module specify flight code, source and destination of flight, take off date and no of seats registered.

## **1.4 PASSENGERS MODULE**

The Passengers module specifies all the details of passengers like name, nationality, passport, gender, number, address and contact.

## **1.5 BOOKINGS MODULE**

In this module the details of the customer who booked the ticket and the flight details which he/she booked and the amount the customer paid are specified.

## **1.6 CANCELLATION MODULE**

In this module the details of the cancelled tickets are specified like canditid, ticket id the flight code which the customer cancelled and the date of cancellation.

## **2.SOFTWARE REQUIREMENT SPECIFICATIONS**

### **2.1 PURPOSE**

The purpose of the Development of AIRLINES MANAGEMENT SYSTEM is a complex online distributed transaction based on client server architecture. The salient features of the software include allowing user from anywhere to do a modifications and cancellations through a phone call or email and easy accessibility of records.

### **2.2 SCOPE**

The overall strategic business objective of AMS is to build loyal profitable customer relationships. Customer acquisition and retention are many points to consider. Customer relationship management is a new concept to many organizations. The most forward-thinking organizations devote a lot of energy and resources to the set up and management of a customer relationships management capability.

### **2.3 OBJECTIVE**

The main objective of this project is to make the transaction easy and reduce time to maintain data

### **2.4 EXISTING SYSTEM**

In the existing system data is entered manually. When records are accessed frequently managing such records difficult. Therefore organizing data becomes difficult. Disadvantages

- Modifications are complicated
- Much time consuming

### **2.5 PROPOSED SYSTEM**

The proposed system is better and more efficient than existing system by overcome all the drawbacks of the present system to permanent solution to them. The primary aim of the new system is to speed up the transactions. User friendliness is another peculiarity of the proposed system.

## **Advantages**

- Processing time can be minimized.
- Simple and easy to manage.
- Faster and more accurate.

## **2.6 REQUIREMENT ANALYSIS**

Analysis focuses on producing a model of the system called the analysis model, which is correct, complete, consistent and verifiable. Analysis model is composed mainly of three individual models.

\*Functional model

\*Analysis object model

\*Analysis dynamic model

The functional model represents the use of case diagrams, the object model with class diagram and the dynamic model with state chart and sequence diagrams.

## **2.7 FUNCTIONAL REQUIREMENTS**

The main functionalities of this system are

1. Every customer who would like to use the airlines have to contact the admin through a phone call or email by sending his details.
2. The flight details specify how many flights are available at that time from one place to another.
3. A customer who wants flight can book this ticket by asking the admin certain information about their journey time.
4. If a customer wants to drop the journey he can cancel the tickets.

## **2.8 NON-FUNCTIONAL REQUIREMENTS**

It explains the user visible aspects of a system. The non-functional requirements are:

### **2.8.1 RELIABILITY**

This system is more reliable and effective because of the quality of service to the user.

### **2.8.2 COST**

The cost of the product development and maintenance is minimum.

### **2.8.3 PERFORMANCE**

It specifies the how much time is required to give the response.

### **2.8.4 SUPPORTABILITY**

Java Data Base Connection supports the system.

### **2.8.5 SECURITY**

1. It provides high level of security to user details since it is developed in java.

## **2.9 PSEUDO REQUIREMENTS:**

### **2.9.1 SOFTWARE REQUIREMENTS**

Operating System : windows and Linux

Programming language : java

webserver : Xampp

### **2.9.2 HARDWARE REQUIREMENTS**

Processor : Intel P-I IV

RAM : 4GB onwards

Hard Disk : 10GB



### 3.DATABASE CONNECTIVITY

**Table 3.1: LOGIN**

NAME	Constraints	Data Type
Admin_name	Not null	Varchar2(10)
password	Not null	Varchar2(10)

**Table 3.2: PASSENGERS**

NAME	Constraints	Data Type
Pid	Not null	Varchar2(5)
Pname	Not null	Varchar2(30)
Pnationality	Not null	Varchar2(30)
Pgender	Not null	Varchar2(30)
Ppassport	Not null	Varchar2(30)
Padd	Not null	Varchar2(30)
Pphone	Not null	Varchar2(20)

**Table 3.3: BOOKINGS**

NAME	Constraints	Data Type
Ticketid	Not null	Varchar2(5)
Pname	Not null	Varchar2(30)
flightcode	Not null	Varchar2(30)
gender	Not null	Varchar2(30)
Ppassport	Not null	Varchar2(30)
Amount	Not null	Varchar2(30)
Nationality	Not null	Varchar2(30)

**Table 3.4: FLIGHTS**

NAME	Constraints	Data Type
flightcode	Not null	Varchar2(10)
source	Not null	Varchar2(30)
destination	Not null	Varchar2(30)
date	Not null	date
seats	Not null	Varchar2(10)

**Table 3.5: CANCELLATION**

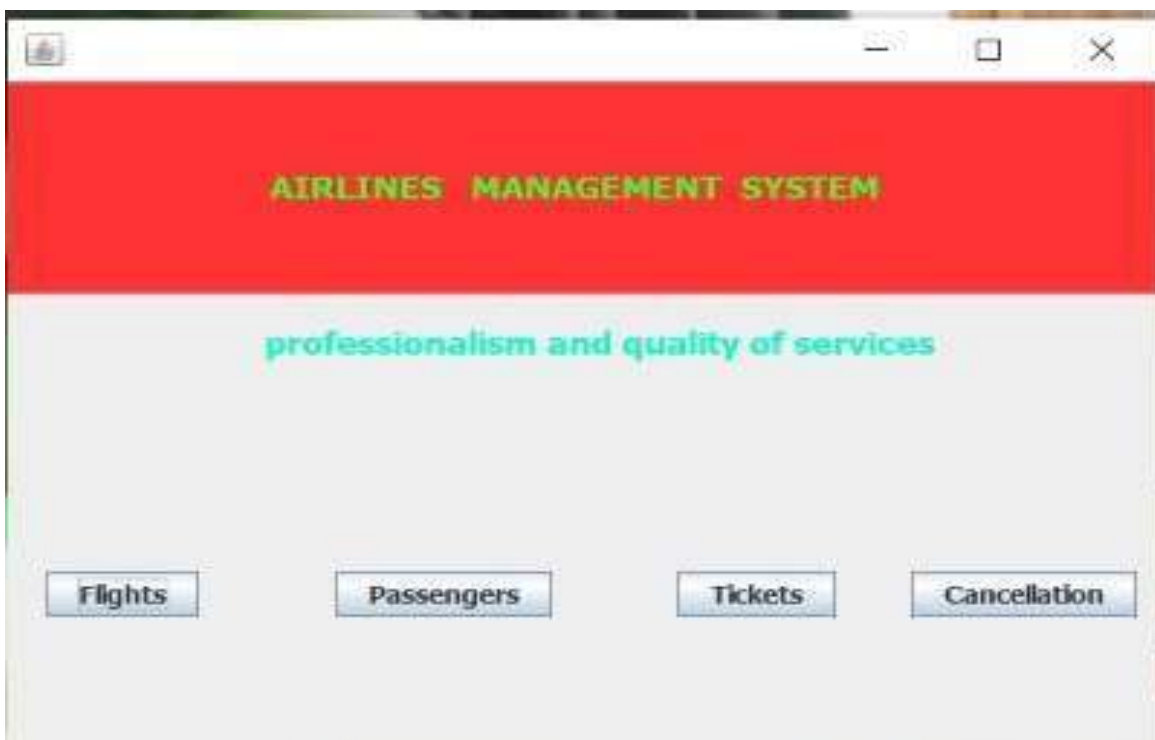
NAME	Constraints	Data Type
candltid	Not null	Varchar2(10)
Ticketid	Not null	Varchar2(5)
flightcode	Not null	Varchar2(10)
canditdate	Not null	date

## 4.OUTPUT SCREENS



The screenshot shows a window titled "AIRLINES MANAGEMENT SYSTEM". On the left, there is a vertical pink sidebar with the word "AIRLINES" in blue. The main area has a light gray background. It contains the title "AIRLINES MANAGEMENT SYSTEM" in blue, followed by "Username" and a text input field, "Password" and a password input field (displayed as asterisks), and a "Login" button at the bottom.

Fig.4.1: Screen for LOGIN



The screenshot shows a window titled "AIRLINES MANAGEMENT SYSTEM". The top section has a red background with the title "AIRLINES MANAGEMENT SYSTEM" in yellow. Below this, on a light gray background, is the text "professionalism and quality of services" in green. At the bottom, there are four buttons: "Flights", "Passengers", "Tickets", and "Cancellation".

Fig.4.2: Screen for SERVICES

**AIRLINES MANAGEMENT SYSTEM**

Passenger ID:  Passenger Name:  Flight code:  Gender:  Passenger ID Number:  Amount:  Nationality:

**Bookings**

ID	Name	Flightcode	Gender	Passport	Amount	Nationality
1	Surya	EX2345	MALE	945678	8000	India
2	Riya	AK45634	MALE	9470445	8042	India
3	prya	EX2345	FEMALE	9470445	8000	India

Fig.4.3: Screen for BOOKINGS

**AIRLINES MANAGEMENT SYSTEM**

Passenger Name:  Nationality:  Gender:  Passenger ID Number:  Address:  Phone:

**Passengers List**

ID	Name	Nationality	Gender	Passport	Address	Phone
5	prya	India	FEMALE	9470445	Hyderabad	985451537
1	Surya	India	FEMALE	945678	Jaipur	271438554
2	Riya	India	MALE	9470445	Mumbai	8388874
3	Ramach	USA	MALE	4115654	newYork	82527524
4	rajat	India	MALE	945678	Hyderabad	78238287

Fig.4.4:Screen for PASSENGERS LIST

**AIRLINES MANAGEMENT SYSTEM**

**Ticket Cancellation**

Ticket ID:  Flight code:  Flight date:

**Condition 100**

Ticket ID	Flight code	Flight date	Status
123456	ABC123	12/01/2020	Cancelled
789012	DEF456	15/02/2021	Cancelled

**Fig.4.5: Screen for TICKET CANCELLATION**

## 5.CODE

### 1."LOGIN"

```
import javax.swing.JOptionPane; public class
login extends javax.swing.JFrame {    public
login() {        initComponents();
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {        jPanel1 = new javax.swing.JPanel();        jLabel5 =
new javax.swing.JLabel();        jLabel3 = new javax.swing.JLabel();        jLabel2 = new
javax.swing.JLabel();        usertb = new javax.swing.JTextField();        jLabel4 = new
javax.swing.JLabel();        pwtb = new javax.swing.JPasswordField();        loginbt = new
javax.swing.JButton();
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
jPanel1.setBackground(new java.awt.Color(255, 51, 255));        jLabel5.setFont(new
java.awt.Font("Tahoma", 1, 18)); // NOI18N        jLabel5.setForeground(new
java.awt.Color(0, 255, 204));        jLabel5.setText("AIRLINES");
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);        jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel5)
                .addGap(26, 26, Short.MAX_VALUE))
            .addContainerGap())
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(loginbt, javax.swing.GroupLayout.PREFERRED_SIZE, 82,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(132, Short.MAX_VALUE))
    );
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 82,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(132, Short.MAX_VALUE))
    );
}
```

```
);
```

```
    jLabel3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(0, 255, 204));    jLabel3.setText("AIRLINES
MANAGEMENT SYSTEM");
```

```
    jLabel2.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 255, 204));
jLabel2.setText("Username");    usertb.setFont(new
java.awt.Font("Tahoma", 1, 13)); // NOI18N    jLabel4.setFont(new
java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel4.setForeground(new java.awt.Color(0, 255, 204));
jLabel4.setText("Password");    pwtb.setFont(new
java.awt.Font("Tahoma", 1, 13)); // NOI18N
pwtb.setText("jPasswordField1");
```

```
    loginbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
loginbt.setText("Login");    loginbt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
loginbtMouseClicked(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()

            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

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

                    .addGap(18, 18, 18)
```

```

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jLabel3)

        .addGroup(layout.createSequentialGroup())

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel2)
        .addComponent(jLabel4))
        .addGap(65, 65, 65)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(pwtb, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(usertb, javax.swing.GroupLayout.PREFERRED_SIZE,
135, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(0, 10, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup())
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(loginbt)
        .addGap(112, 112, 112)))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(layout.createSequentialGroup())
            .addGap(47, 47, 47)
            .addComponent(jLabel3)
            .addGap(40, 40, 40)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel2)
        .addComponent(usertb, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(64, 64, 64)

```



```

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel4)
    .addComponent(pwtb, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(loginbt)
    .addGap(27, 27, 27))
);

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

```

```

private void loginbtMouseClicked(java.awt.event.MouseEvent evt) {
if(userbt.getText().isEmpty()||pwtb.getText().isEmpty())
{
    JOptionPane.showMessageDialog(this,"enter username and password");
} else if(userbt.getText().equals("Admin")&&pwtb.getText().equals("1234"))
{
    new mainframe().setVisible(true);
this.dispose();
} else {
    JOptionPane.showMessageDialog(this,"wrong username or password");
userbt.setText(null);

    pwtb.setText(null);
}
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {

```

```

/* Set the Nimbus look and feel */

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
* For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
*/
try {
    for (javax.swing.UIManager.LookAndFeelInfo
info : javax.swing.UIManager.getInstalledLookAndFeels()) {
        if
("Nimbus".equals(info.getName())) {
javax.swing.UIManager.setLookAndFeel(info.getClassName());
break;
        }
    }
} catch (ClassNotFoundException ex) {

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

    } catch (InstantiationException ex) {

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

    } catch (IllegalAccessException ex) {

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

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

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

```

```

    }

    // Variables declaration - do not modify
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;    private
javax.swing.JButton loginbt;    private
javax.swing.JPasswordField pwtb;    private
javax.swing.JTextField usertb;

    // End of variables declaration
}

```

## 2. "MAINFRAME"

```

public class mainframe extends javax.swing.JFrame {
public mainframe() {    initComponents();
}

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jButton2 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton5 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(255, 51, 51));

```

```

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(51, 255, 51));    jLabel3.setText("AIRLINES
MANAGEMENT SYSTEM");

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);    jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 0, Short.MAX_VALUE)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(136, 136, 136)
            .addComponent(jLabel3)
            .addContainerGap(137, Short.MAX_VALUE)))
    );
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 125, Short.MAX_VALUE)
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(51, 51, 51)
            .addComponent(jLabel3)
            .addContainerGap(52, Short.MAX_VALUE)))
    );
jLabel4.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel4.setForeground(new java.awt.Color(0, 255, 204));
jLabel4.setText("professionalism and quality of services");
jButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton2.setText("Flights");    jButton2.addMouseListener(new
java.awt.event.MouseAdapter() {        public void

```

```

mouseClicked(java.awt.event.MouseEvent evt) {
jButton2MouseClicked(evt);
    }
});

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

jButton4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton4.setText("Passengers");
jButton4.addMouseListener(new java.awt.event.MouseAdapter() {
public void mouseClicked(java.awt.event.MouseEvent evt) {
jButton4MouseClicked(evt);
    }
});

jButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton3.setText("Tickets");
jButton3.addMouseListener(new java.awt.event.MouseAdapter() {
public void mouseClicked(java.awt.event.MouseEvent evt) {
jButton3MouseClicked(evt);
    }
});

jButton5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jButton5.setText("Cancellation");    jButton5.addMouseListener(new
java.awt.event.MouseAdapter() {                public void
mouseClicked(java.awt.event.MouseEvent          evt)          {
jButton5MouseClicked(evt); }
});

```

```

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);    layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
            Short.MAX_VALUE)
            .addComponent(jLabel4)
            .addGap(117, 117, 117))
        .addGroup(layout.createSequentialGroup()
            .addGap(20, 20, 20)
            .addComponent(jButton2)
            .addGap(71, 71, 71)
            .addComponent(jButton4)
            .addGap(65, 65, 65)
            .addComponent(jButton3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 39,
            Short.MAX_VALUE)
            .addComponent(jButton5)
            .addContainerGap())
    );
    layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jLabel4)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 124,
            Short.MAX_VALUE)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jButton2)
                .addComponent(jButton4)

```

```

        .addComponent(jButton3)
        .addComponent(jButton5))
        .addGap(81, 81, 81))
    );
pack();
} // </editor-fold> private void
jButton4MouseClicked(java.awt.event.MouseEvent evt) {
    new passenger().setVisible(true);    this.dispose();
}

private void jButton2MouseClicked(java.awt.event.MouseEvent evt) {
    new flights().setVisible(true);    this.dispose();
}

private void jButton3MouseClicked(java.awt.event.MouseEvent evt) {
    new booking().setVisible(true);    this.dispose();
}

private void jButton5MouseClicked(java.awt.event.MouseEvent evt) {
    new cancellation().setVisible(true);    this.dispose();
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}

public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {    new
mainframe().setVisible(true);
        }
    });
}

```

```

    // Variables declaration - do not modify
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel3;   private
javax.swing.JLabel jLabel4;   private
javax.swing.JPanel jPanel1;
    // End of variables declaration
}

```

### 3. "FLIGHTS"

```

import java.awt.HeadlessException;
import java.sql.Connection; import
java.sql.DriverManager; import
java.sql.PreparedStatement; import
java.sql.ResultSet; import
java.sql.SQLException; import
java.sql.Statement; import
javax.swing.JOptionPane; import
javax.swing.table.DefaultTableMod
el; import net.proteanit.sql.DbUtils;

```

```

public class flights extends javax.swing.JFrame {
public flights() {    initComponents();
    Displayflights();
}
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {    jScrollPane3 = new

```



```

javax.swing.JScrollPane();    jTable1 = new
javax.swing.JTable();    jPanel1 = new javax.swing.JPanel();
jLabel3 = new javax.swing.JLabel();    jLabel4 = new
javax.swing.JLabel();    jLabel2 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();    jLabel6 = new
javax.swing.JLabel();    jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();    jLabel9 = new
javax.swing.JLabel();    jLabel10 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();    jLabel11 = new
javax.swing.JLabel();    jLabel12 = new javax.swing.JLabel();

```

```

    pdestcb = new javax.swing.JComboBox<>();
    psourcecb = new javax.swing.JComboBox<>();
pdatecb = new javax.swing.JTextField();
jScrollPane1 = new javax.swing.JScrollPane();
pseats = new javax.swing.JEditorPane();
jScrollPane2 = new javax.swing.JScrollPane();
pcodetb = new javax.swing.JEditorPane();
jLabel13 = new javax.swing.JLabel();    editbt =
new javax.swing.JButton();    savebt = new
javax.swing.JButton();    deletebt = new
javax.swing.JButton();    backbt = new
javax.swing.JButton();    jScrollPane4 = new
javax.swing.JScrollPane();    flightstable = new
javax.swing.JTable();

```

```

    jTable1.setModel(new javax.swing.table.DefaultTableModel(
new Object [][] {
        { null, null, null, null },
        { null, null, null, null },
        { null, null, null, null }
    },
    new String [] {

```

```

        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
jScrollPane3.setViewportViewView(jTable1);

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(51, 255, 204)); javax.swing.GroupLayout
jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);    jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 975, Short.MAX_VALUE)
    );
    jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 222, Short.MAX_VALUE)
    );

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(51, 51, 255));    jLabel3.setText("AIRLINES
MANAGEMENT SYSTEM");

jLabel4.setFont(new java.awt.Font("Tahoma", 3, 14)); // NOI18N
jLabel4.setForeground(new java.awt.Color(0, 0, 255));
jLabel4.setText("Manage flights");    jLabel2.setFont(new
java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 255, 204));
jLabel2.setText("Flight code");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel5.setForeground(new java.awt.Color(0, 255, 204));    jLabel5.setText("Source");

```

```
jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel6.setForeground(new java.awt.Color(0, 255, 204));    jLabel6.setText("Destination");
```

```
jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel7.setForeground(new java.awt.Color(0, 255, 204)); jLabel7.setText("Takeof Date");
```

```
jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel8.setForeground(new java.awt.Color(0, 255, 204));    jLabel8.setText("Number
of Seats");
```

```
jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel9.setForeground(new java.awt.Color(0, 255, 204));
```

```
jLabel10.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel10.setForeground(new java.awt.Color(0, 255, 204));
```

```
jLabel11.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel11.setForeground(new java.awt.Color(0, 255, 204));
```

```
jLabel12.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel12.setForeground(new java.awt.Color(0, 255, 204));
```

```
pdestcb.setEditable(true);    pdestcb.setFont(new
java.awt.Font("Tahoma", 1, 14)); // NOI18N
pdestcb.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"Bangalore", "India", "Chennai", "Orissa", "USA", "Hyderabad" }));
```

```
psourcecb.setEditable(true);    psourcecb.setFont(new
java.awt.Font("Tahoma", 1, 14)); // NOI18N
psourcecb.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"Bangalore", "India", "Chennai", "Orissa", "USA", "Hyderabad" }));
```

```

        pdatecb.setFont(new java.awt.Font("Tahoma", 1, 13)); // NOI18N
pdatecb.setText("jTextField1");

        jScrollPane1.setViewportViewView(pseats);

        jScrollPane2.setViewportViewView(pcodetb);

        jLabel13.setFont(new java.awt.Font("Tahoma", 3, 14)); // NOI18N
jLabel13.setForeground(new java.awt.Color(0, 0, 255));    jLabel13.setText("Flights
List");

        editbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
editbt.setText("Edit");    editbt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
editbtMouseClicked(evt);
    }
});

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

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

        savebt.addMouseListener(new java.awt.event.MouseAdapter() {
public void mouseClicked(java.awt.event.MouseEvent evt) {
savebtMouseClicked(evt);
    }
});

```

```

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

```

```

        deletebt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        deletebt.setText("Delete");        deletebt.addMouseListener(new
java.awt.event.MouseAdapter() {        public void
mouseClicked(java.awt.event.MouseEvent evt) {
deletebtMouseClicked(evt);
        }
});

```

```

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

```

```

        backbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        backbt.setText("Back");        backbt.addMouseListener(new
java.awt.event.MouseAdapter() {        public void
mouseClicked(java.awt.event.MouseEvent evt) {
backbtMouseClicked(evt);
        }
});

```

```

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

```

```

        flightstable.setFont(new java.awt.Font("Arial Black", 0, 13)); // NOI18N
        flightstable.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null}
            },
            new String [] {
                "Title 1", "Title 2", "Title 3", "Title 4"
            }
        ));
        flightstable.setSelectionBackground(new java.awt.Color(255, 255, 0));
        flightstable.addMouseListener(new java.awt.event.MouseAdapter() {
            public void mouseClicked(java.awt.event.MouseEvent evt) {
                flightstableMouseClicked(evt);
            }
        });
        jScrollPane4.setViewportView(flightstable);

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jLabel3)
                    .addGap(420, 420, 420)
                )
        );
    }
}

```

```

        .addComponent(jLabel4))

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

        .addContainerGap()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

            .addComponent(editbt)

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

            .addGroup(layout.createSequentialGroup())

                .addComponent(jLabel2)

                .addGap(84, 84, 84)

                .addComponent(jLabel5))

            .addGroup(layout.createSequentialGroup())

                .addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGap(32, 32, 32)

                .addComponent(psourcecb,
javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE))))

            .addGap(33, 33, 33)

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

            .addGroup(layout.createSequentialGroup())

                .addComponent(jLabel6)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addComponent(jLabel7))

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

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

            .addComponent(pdestcb,
javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(deletebt))

```

```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addComponent(backbt)

    .addComponent(pdatecb,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))))

.addGap(56, 56, 56)

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

    .addComponent(jLabel8)

    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(layout.createSequentialGroup())

    .addGap(260, 260, 260)

    .addComponent(jLabel13))

.addGroup(layout.createSequentialGroup())

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

    .addGroup(layout.createSequentialGroup())

        .addGap(72, 72, 72)

        .addComponent(savebt))

    .addGroup(layout.createSequentialGroup())

        .addGap(46, 46, 46)

        .addComponent(jScrollPane4, javax.swing.GroupLayout.PREFERRED_SIZE,
783, javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGap(552, 552, 552)

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

    .addComponent(jLabel9)

    .addComponent(jLabel11)))

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

    .addGroup(layout.createSequentialGroup())

```



```

        .addGap(34, 34, 34)
        .addComponent(jLabel10)
        .addContainerGap(1347, Short.MAX_VALUE)))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(44, 44, 44)
        .addComponent(jLabel11)
        .addContainerGap(1337, Short.MAX_VALUE)))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(54, 54, 54)
        .addComponent(jLabel12)
        .addContainerGap(1327, Short.MAX_VALUE)))
);
layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(40, 40, 40)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel3)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel4)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel2)
    .addComponent(jLabel5)
    .addComponent(jLabel6)
    .addComponent(jLabel7)
    .addComponent(jLabel8))

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(jScrollPane2,
                            javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                            javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(psourcecb,
                                javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(pdestcb, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(pdatecb, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE,
                                javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGroup(34, 34, 34)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(savebt)
                        .addComponent(editbt)
                        .addComponent(deletebt)
                        .addComponent(backbt))
                    .addGroup(19, 19, 19)
                    .addComponent(jLabel13)
                    .addGroup(48, 48, 48)
                    .addComponent(jLabel9))
                .addGroup(layout.createSequentialGroup()
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(layout.createSequentialGroup()
                            .addGroup(layout.createSequentialGroup()
                                .addGap(12, 12, 12)
                                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
                                    javax.swing.GroupLayout.DEFAULT_SIZE,
                                    javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(layout.createSequentialGroup()
                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.LEADING)

```

```

        .addGroup(layout.createSequentialGroup())
            .addGap(37, 37, 37)
            .addComponent(jLabel1))
        .addGroup(layout.createSequentialGroup())
            .addGap(20, 20, 20)
            .addComponent(jScrollPane4, javax.swing.GroupLayout.PREFERRED_SIZE,
329, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap(681, Short.MAX_VALUE)
            .addComponent(jLabel10)
            .addGap(193, 193, 193)))

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap(691, Short.MAX_VALUE)
            .addComponent(jLabel11)
            .addGap(183, 183, 183)))

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap(701, Short.MAX_VALUE)
            .addComponent(jLabel12)
            .addGap(173, 173, 173)))

    );

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

```

```

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

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

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

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

    private void backbtMouseClicked(java.awt.event.MouseEvent evt) {
new mainframe().setVisible(true);    this.dispose();
    }

    Connection con=null;
    PreparedStatement put=null;
    ResultSet rs=null,rs1=null;
    Statement st=null,st1=null;

    private void Displayflights()
    {
    try{

        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
        st=con.createStatement();    rs=st.executeQuery("select * from flights");
        flightstable.setModel(DbUtils.resultSetToTableModel(rs));

```

```

    } catch (Exception e) {

    }

} private void
Clear()
{
    pcodetb.setText("");
    pseats.setText("");
} private void savebtMouseClicked(java.awt.event.MouseEvent
evt) {

    if(pcodetb.getText().isEmpty()||pdatecb.getText().isEmpty()||pseats.getText().isEmpty()||psourcecb.getSelectedIndex()==-1||pdestcb.getSelectedIndex()==-1)
    {
        JOptionPane.showMessageDialog(this," missing information");
    } else {
try
    {
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
        PreparedStatement Add=con.prepareStatement("insert into flights values(?,?,?,?)");
        Add.setString(1, pcodetb.getText());
        Add.setString(2, psourcecb.getSelectedItem().toString());
        Add.setString(3, pdestcb.getSelectedItem().toString());
        Add.setString(4, pdatecb.getText());
        Add.setInt(5, Integer.valueOf(pseats.getText()));
        int row=Add.executeUpdate();
        JOptionPane.showMessageDialog(this," Flight added");
        con.close();          Displayflights();
        Clear();
    } catch (HeadlessException | SQLException e)

```

```

        {
            JOptionPane.showMessageDialog(this,e);
        }

    }

}

private void deletebtMouseClicked(java.awt.event.MouseEvent evt) {
if(key==""){
    JOptionPane.showMessageDialog(this, "select a passenger");
} else{
try{
    con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
    String q="Delete from flights where flightcode="+key+"";
Statement del=con.createStatement();          del.executeUpdate(q);
    JOptionPane.showMessageDialog(this, "flight deleted");
    Displayflights();
} catch(Exception e){
    JOptionPane.showMessageDialog(this, e);
}

}

}

String key=""; private void
flightstableMouseClicked(java.awt.event.MouseEvent evt) {
DefaultTableModel model=(DefaultTableModel)flightstable.getModel();
int myindex=flightstable.getSelectedRow();
key=model.getValueAt(myindex, 0).toString();
psourcecb.setSelectedItem(model.getValueAt(myindex, 1).toString());
pdestcb.setSelectedItem(model.getValueAt(myindex, 2).toString());
pseats.setText(model.getValueAt(myindex, 4).toString());
}

```

```

private void editbtMouseClicked(java.awt.event.MouseEvent evt) {
if(key=="")
{
JOptionPane.showMessageDialog(this," select a flight information");
}else{
try
{
//countpassengers();
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
String q="Update flights set source=?,destination=?,date=?,seats=? where
flightcode=?";
PreparedStatement Add=con.prepareStatement(q);
Add.setString(5, key);
Add.setString(3, pdatecb.getText());
Add.setString(1, psourcecb.getSelectedItem().toString());
Add.setString(2, pdestcb.getSelectedItem().toString());
Add.setString(4, pseats.getText());          int
row=Add.executeUpdate();
JOptionPane.showMessageDialog(this," flight updated");
con.close();          Displayflights();
Clear();
}catch(HeadlessException | SQLException e)
{
JOptionPane.showMessageDialog(this,e);
}

}
}
}

```

```

public static void main(String args[]) {

```

```

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

```

```

// Variables declaration - do not modify
private javax.swing.JButton backbt;
private javax.swing.JButton deletebt;
private javax.swing.JButton editbt;    private
javax.swing.JTable flightstable;    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 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.JScrollPane jScrollPane1;    private
javax.swing.JScrollPane jScrollPane2;    private
javax.swing.JScrollPane jScrollPane3;    private
javax.swing.JScrollPane jScrollPane4;    private
javax.swing.JTable jTable1;    private
javax.swing.JEditorPane pcodebt;    private

```



```

javax.swing.JTextField pdatecb;    private
javax.swing.JComboBox<String> pdestcb;    private
javax.swing.JEditorPane pseats;    private
javax.swing.JComboBox<String> psourcecb;    private
javax.swing.JButton savebt;
    // End of variables declaration
}

```

#### 4."PASSENGERS"

```

import java.awt.HeadlessException; import
java.sql.Statement; import
java.sql.Connection; import
java.sql.DriverManager; import
java.sql.PreparedStatement; import
java.sql.ResultSet; import
java.sql.SQLException; import
javax.swing.JOptionPane; import
javax.swing.table.DefaultTableModel; import
net.proteanit.sql.DbUtils;

public class passenger extends javax.swing.JFrame {    private Object PassengersTable;

    public passenger() {
initComponents();
DisplayPassengers();
    }

    @SuppressWarnings("unchecked")

```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel3 = new javax.swing.JLabel();    pName =
new javax.swing.JLabel();    Nationtb = new
javax.swing.JLabel();    jScrollPane2 = new
javax.swing.JScrollPane();    pnametb = new
javax.swing.EditorPane();    Nattb = new
javax.swing.JComboBox<>();    gentb = new
javax.swing.JLabel();    gencb = new
javax.swing.JComboBox<>();    savebt = new
javax.swing.JButton();    editbt = new
javax.swing.JButton();    deletebt = new
javax.swing.JButton();    backtb = new
javax.swing.JButton();    passporttb = new
javax.swing.JLabel();    jScrollPane3 = new
javax.swing.JScrollPane();    passnumbtb = new
javax.swing.EditorPane();    addresstb = new
javax.swing.JLabel();    jScrollPane4 = new
javax.swing.JScrollPane();    paddresstb = new
javax.swing.EditorPane();    jLabel13 = new
javax.swing.JLabel();    jScrollPane1 = new
javax.swing.JScrollPane();    tb1 = new
javax.swing.JTable();    jphone = new
javax.swing.JLabel();    jScrollPane5 = new
javax.swing.JScrollPane();    pphonetb = new
javax.swing.EditorPane();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```

jPanel1.setBackground(new java.awt.Color(51, 255, 204));

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);    jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 0, Short.MAX_VALUE)
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGap(0, 123, Short.MAX_VALUE)
);

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(51, 51, 255));    jLabel3.setText("AIRLINES
MANAGEMENT SYSTEM");

pName.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
pName.setForeground(new java.awt.Color(0, 255, 204));    pName.setText("Passenger
name");

Nationtb.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Nationtb.setForeground(new java.awt.Color(0, 255, 204));
Nationtb.setText("Nationality");

jScrollPane2.setViewportViewView(pnametb);

Nattb.setEditable(true);
Nattb.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
Nattb.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "India",
"USA", "NEPAL", "SPAIN", "CHINA", "BHUTAN" }));

```

```

    gentb.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
gentb.setForeground(new java.awt.Color(0, 255, 204));    gentb.setText("Gender");

    gencb.setEditable(true);    gencb.setFont(new java.awt.Font("Tahoma", 1, 14)); //
NOI18N    gencb.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"MALE", "FEMALE" }));

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

    savebt.addMouseListener(new java.awt.event.MouseAdapter() {
public void mouseClicked(java.awt.event.MouseEvent evt) {
savebtMouseClicked(evt);

    }

});

    savebt.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
savebtActionPerformed(evt);

    }

});

    editbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
editbt.setText("Edit");    editbt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
editbtMouseClicked(evt);

    }

});

    editbt.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
editbtActionPerformed(evt);

    }

});

```

```

        deletebt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
deletebt.setText("Delete");    deletebt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
deletebtMouseClicked(evt);
    }
});
        deletebt.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
deletebtActionPerformed(evt);
    }
});

```

```

        backtb.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
backtb.setText("Back");    backtb.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
backtbMouseClicked(evt);
    }
});
        backtb.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
backtbActionPerformed(evt);
    }
});

```

```

        passportb.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
passportb.setForeground(new java.awt.Color(0, 255, 204));    passportb.setText("Passport
NUmber");

```

```

jScrollPane3.setViewportViewView(passnumbtb);

```

```

        addresstb.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
addresstb.setForeground(new java.awt.Color(0, 255, 204));      addresstb.setText("Address");

jScrollPane4.setViewportViewView(paddresstb);

jLabel13.setFont(new java.awt.Font("Tahoma", 3, 14)); // NOI18N
jLabel13.setForeground(new java.awt.Color(0, 0, 255));      jLabel13.setText("Passengers
List");

tb1.setFont(new java.awt.Font("Arial Black", 0, 13)); // NOI18N
tb1.setModel(new javax.swing.table.DefaultTableModel(      new
Object [][] {      {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
tb1.setRowHeight(25);      tb1.setSelectionBackground(new
java.awt.Color(255, 255, 0));      tb1.addMouseListener(new
java.awt.event.MouseAdapter() {      public void
mouseClicked(java.awt.event.MouseEvent evt) {
tb1MouseClicked(evt);
    }
});
jScrollPane1.setViewportViewView(tb1);

jphone.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jphone.setForeground(new java.awt.Color(0, 255, 204));      jphone.setText("Phone");

```

```

jScrollPane5.setViewportViewView(pphonetb);

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(412, 412, 412)
        .addComponent(jLabel3))
    .addGroup(layout.createSequentialGroup()
        .addGap(28, 28, 28)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(pName))
    .addGap(59, 59, 59)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(Nattb, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(gencb, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(layout.createSequentialGroup()
        .addComponent(Nationtb)
        .addGap(74, 74, 74)
        .addComponent(gentb)
        .addGap(81, 81, 81)

```

```

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(65, 65, 65)
        .addComponent(jScrollPane4,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(35, 35, 35)
        .addComponent(jScrollPane5,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addComponent(passporttb)
            .addGap(90, 90, 90)
            .addComponent(addresstb)
            .addGap(80, 80, 80)
            .addComponent(jphone))))
        .addGroup(layout.createSequentialGroup()
            .addComponent(savebt)
            .addGap(78, 78, 78)
            .addComponent(editbt)
            .addGap(62, 62, 62)
            .addComponent(deletebt)
            .addGap(80, 80, 80)
            .addComponent(backtb))))
        .addGroup(layout.createSequentialGroup()
            .addGap(70, 70, 70)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
893, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addGap(392, 392, 392)

```



```

        .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(195, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

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

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(Nattb, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(genCb, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(33, 33, 33))
        .addGroup(layout.createSequentialGroup()

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(jScrollPane4,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel3)
                .addGap(39, 39, 39)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(pName)
            .addComponent(Nationtb)
            .addComponent(passporttb)
            .addComponent(gentb)

```

```

        .addComponent(addressbt)
        .addComponent(jphone))

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

        .addGroup(layout.createSequentialGroup()

            .addGap(28, 28, 28)

            .addComponent(jScrollPane2,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGroup(layout.createSequentialGroup()

                .addGap(29, 29, 29)

                .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))

            .addComponent(jScrollPane5,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(32, 32, 32)))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(savebt)

        .addComponent(editbt)

        .addComponent(deletebt)

        .addComponent(backtb))

    .addGap(18, 18, 18)

    .addComponent(jLabel13)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

    .addGap(0, 0, Short.MAX_VALUE))

    );

    pack();
}

```

```

}

```

```

Connection con=null;
PreparedStatement put=null;
ResultSet rs=null,rs1=null;
Statement st=null,st1=null;

private void DisplayPassengers()
{
try{

        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
st=con.createStatement();
        rs=st.executeQuery("select * from passengers");
tb1.setModel(DbUtils.resultSetToTableModel(rs));    } catch(Exception e){

        }

} int passid=0; private void
countpassengers()
{    try{        st1=con.createStatement();
rs1=st1.executeQuery("select Max(pid) from passengers");
rs1.next();        passid=rs1.getInt(1)+1;
        } catch(Exception e){

        } } private void
Clear()
{
        pnametb.setText("");
passnumbtb.setText("");
paddresstb.setText("");    pphonetb.setText("");
}

```

```

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

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

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

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

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

if(pnametb.getText().isEmpty()||passnumbtb.getText().isEmpty()||paddresstb.getText().isEmpty()||pphonetb.getText().isEmpty())
    {
        JOptionPane.showMessageDialog(this," missing information");
    }else{
try
    {
countpassengers();
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
        PreparedStatement Add=con.prepareStatement("insert into passengers
values(?,?,?, ?, ?, ?)");
        Add.setInt(1, passid);
        Add.setString(2, pnametb.getText());
        Add.setString(3, Nattb.getSelectedItem().toString());
        Add.setString(4, genctb.getSelectedItem().toString());

```

```

        Add.setString(5, passnumbtb.getText());
        Add.setString(6, paddressbtb.getText());
Add.setString(7, pphonetb.getText());          int
row=Add.executeUpdate();

        JOptionPane.showMessageDialog(this," passenger added");
con.close();

        DisplayPassengers();
        Clear();
    }catch(HeadlessException | SQLException e)
    {
        JOptionPane.showMessageDialog(this,e);
    }

}

}

private void deletebtMouseClicked(java.awt.event.MouseEvent evt) {
if(key==0){
        JOptionPane.showMessageDialog(this, "select a passenger");
    }else{
try{
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
        String q="Delete from passengers where pid="+key;
Statement del=con.createStatement();          del.executeUpdate(q);
        JOptionPane.showMessageDialog(this, "passenger deleted");
        DisplayPassengers();
    }catch(Exception e){
        JOptionPane.showMessageDialog(this, e);
    }

}

}
}

```

```

int key=0;

private void tb1MouseClicked(java.awt.event.MouseEvent evt) {
DefaultTableModel model=(DefaultTableModel)tb1.getModel();    int
myindex=tb1.getSelectedRow();
key=Integer.valueOf(model.getValueAt(myindex, 0).toString());
pnametb.setText(model.getValueAt(myindex, 1).toString());
Nattb.setSelectedItem(model.getValueAt(myindex, 2).toString());
gencb.setSelectedItem(model.getValueAt(myindex, 3).toString());
passnumbtb.setText(model.getValueAt(myindex, 4).toString());
paddresstb.setText(model.getValueAt(myindex, 5).toString());
pphonetb.setText(model.getValueAt(myindex, 6).toString());
}

private void backtbMouseClicked(java.awt.event.MouseEvent evt) {
new mainframe().setVisible(true);    this.dispose();
}

private void editbtMouseClicked(java.awt.event.MouseEvent evt) {
if(key==0)
{
JOptionPane.showMessageDialog(this," select a passenger information");
}else{
try
{
//countpassengers();
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
String q="Update passengers set
pname=?,pnationality=?,pgender=?,ppassport=?,pAdd=?,pphone=? where pid=?";
PreparedStatement Add=con.prepareStatement(q);
Add.setInt(7, key);
Add.setString(1, pnametb.getText());
Add.setString(2, Nattb.getSelectedItem().toString());
Add.setString(3, gencb.getSelectedItem().toString());

```

```

        Add.setString(4, passnumbtb.getText());
        Add.setString(5, paddressbtb.getText());
        Add.setString(6, pphonetb.getText());
        int row=Add.executeUpdate();
        JOptionPane.showMessageDialog(this," passenger updated");
con.close();          DisplayPassengers();
        Clear();
    } catch (HeadlessException | SQLException e)
    {
        JOptionPane.showMessageDialog(this,e);
    }

}
}

```

```

public static void main(String args[]) {

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

```

```

// Variables declaration - do not modify
private javax.swing.JLabel Nationtb;   private
javax.swing.JComboBox<String> Nattb;   private
javax.swing.JLabel addressbtb;   private
javax.swing.JButton backtb;   private
javax.swing.JButton deletebt;   private
javax.swing.JButton edittb;   private

```

```
javax.swing.JComboBox<String> genCb;    private
javax.swing.JLabel genTb;
```

```
    private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel3;    private
javax.swing.JPanel jPanel1;    private
javax.swing.JScrollPane jScrollPane1;    private
javax.swing.JScrollPane jScrollPane2;    private
javax.swing.JScrollPane jScrollPane3;    private
javax.swing.JScrollPane jScrollPane4;    private
javax.swing.JScrollPane jScrollPane5;    private
javax.swing.JLabel jPhone;    private
javax.swing.JLabel pName;    private
javax.swing.JEditorPane pAddressTb;    private
javax.swing.JEditorPane pPassNumTb;    private
javax.swing.JLabel pPassPortTb;    private
javax.swing.JEditorPane pNameTb;    private
javax.swing.JEditorPane pPhoneTb;    private
javax.swing.JButton saveBt;    private
javax.swing.JTable tb1;

// End of variables declaration
```

```
    private void DefaultTableModel() {        throw new
UnsupportedOperationException("Not supported yet."); //To change body of generated
methods, choose Tools | Templates.
    }
}
```

## 5. "BOOKINGS"

```
import java.awt.HeadlessException;
import java.sql.Connection; import
java.sql.DriverManager; import
```



```

java.sql.PreparedStatement; import
java.sql.ResultSet;

import java.sql.SQLException;
import java.sql.Statement; import
java.util.logging.Level; import
java.util.logging.Logger; import
javax.swing.JOptionPane;

public class booking extends javax.swing.JFrame {

    public booking() {
        initComponents();
        Getpaassanger();
        nattb.setEditable(false);
        pnametb.setEditable(false);
        passnumtb.setEditable(false);
        pgentb.setEditable(false);
        Getflights();
        DisplayBooking();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel4 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();    jLabel9
        = new javax.swing.JLabel();    jLabel6 = new
        javax.swing.JLabel();    jLabel7 = new

```

```

javax.swing.JLabel();      jLabel8 = new
javax.swing.JLabel();      jLabel5 = new
javax.swing.JLabel();      jPanel1 = new
javax.swing.JPanel();      jLabel3 = new
javax.swing.JLabel();      jLabel10 = new
javax.swing.JLabel();      jLabel11 = new
javax.swing.JLabel();      jLabel12 = new
javax.swing.JLabel();      jLabel13 = new
javax.swing.JLabel();      jLabel14 = new
javax.swing.JLabel();      jLabel15 = new
javax.swing.JLabel();      jLabel16 = new
javax.swing.JLabel();      passidtb = new
javax.swing.JComboBox<>();  pgentb = new
javax.swing.JComboBox<>();  jScrollPane3
= new javax.swing.JScrollPane();  pnametb =
new javax.swing.JEditorPane();  fctb = new
javax.swing.JComboBox<>();  jScrollPane4
= new javax.swing.JScrollPane();  passnumtb
= new javax.swing.JEditorPane();
jScrollPane5 = new javax.swing.JScrollPane();
amounttb = new javax.swing.JEditorPane();
jScrollPane6 = new javax.swing.JScrollPane();
nattb = new javax.swing.JEditorPane();
bookbt = new javax.swing.JButton();  resetbt
= new javax.swing.JButton();  backbt = new
javax.swing.JButton();      jLabel17 = new
javax.swing.JLabel();      jScrollPane1 = new
javax.swing.JScrollPane();  bookingtable =
new javax.swing.JTable();

```

```
jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel4.setForeground(new java.awt.Color(0, 255, 204));    jLabel4.setText("Passenger
id");
```

```
jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 255, 204));
jLabel2.setText("Passenger name");
```

```
jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel9.setForeground(new java.awt.Color(0, 255, 204));    jLabel9.setText("Flight
code");
```

```
jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel6.setForeground(new java.awt.Color(0, 255, 204));    jLabel6.setText("Gender");
```

```
jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel7.setForeground(new java.awt.Color(0, 255, 204));    jLabel7.setText("Passport
NNumber");
```

```
jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel8.setForeground(new java.awt.Color(0, 255, 204));    jLabel8.setText("Amount");
```

```
jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel5.setForeground(new java.awt.Color(0, 255, 204));    jLabel5.setText("Nationality");
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jPanel1.setBackground(new java.awt.Color(0, 255, 204));
```

```
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);    jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGap(0, 0, Short.MAX_VALUE)
```

```

);

jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGap(0, 142, Short.MAX_VALUE)
);

jLabel3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(51, 51, 255));    jLabel3.setText("AIRLINES
MANAGEMENT SYSTEM");

jLabel10.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel10.setForeground(new java.awt.Color(0, 255, 204));    jLabel10.setText("Passenger
id");

jLabel11.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel11.setForeground(new java.awt.Color(0, 255, 204));    jLabel11.setText("Passenger
name");

jLabel12.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel12.setForeground(new java.awt.Color(0, 255, 204));    jLabel12.setText("Flight
code");

jLabel13.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel13.setForeground(new java.awt.Color(0, 255, 204));    jLabel13.setText("Gender");

jLabel14.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel14.setForeground(new java.awt.Color(0, 255, 204));    jLabel14.setText("Passport
Number");

jLabel15.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel15.setForeground(new java.awt.Color(0, 255, 204));
jLabel15.setText("Amount");

```

```

jLabel16.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel16.setForeground(new java.awt.Color(0, 255, 204));
jLabel16.setText("Nationality");

passidtb.setEditable(true);    passidtb.setFont(new
java.awt.Font("Tahoma", 1, 14)); // NOI18N
passidtb.addMouseListener(new java.awt.event.MouseAdapter() {
public void mouseClicked(java.awt.event.MouseEvent evt) {
passidtbMouseClicked(evt);
    }
});

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

pgentb.setEditable(true);
pgentb.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
pgentb.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "MALE",
"FEMALE" }));

jScrollPane3.setViewportViewView(pnametb);

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

jScrollPane4.setViewportViewView(passnumtb);

jScrollPane5.setViewportViewView(amounttb);

jScrollPane6.setViewportViewView(nattb);

```

```

        bookbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
bookbt.setText("Book");    bookbt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
bookbtMouseClicked(evt);
    }
});
        bookbt.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
bookbtActionPerformed(evt);
    }
});

```

```

        resetbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
resetbt.setText("Reset");    resetbt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
resetbtMouseClicked(evt);
    }
});
        resetbt.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
resetbtActionPerformed(evt);
    }
});

```

```

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

        backbt.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
backbtMouseClicked(evt);
    }
}

```

```

    });

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

    jLabel17.setFont(new java.awt.Font("Tahoma", 3, 14)); // NOI18N
jLabel17.setForeground(new java.awt.Color(0, 0, 255));    jLabel17.setText("Bookings");

    bookingtable.setModel(new javax.swing.table.DefaultTableModel(
new Object [][] {           {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
    ));

    bookingtable.setSelectionBackground(new java.awt.Color(255, 255, 102));
jScrollPane1.setViewportViewView(bookingtable);

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);    layout.setHorizontalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

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

            .addContainerGap()

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

```

```

        .addGroup(layout.createSequentialGroup())
        .addComponent(passidtb, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(41, 41, 41)
        .addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(37, 37, 37)
        .addComponent(fctb, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(39, 39, 39)
        .addComponent(pgentb, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
86, Short.MAX_VALUE)
        .addComponent(jScrollPane4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(124, 124, 124)
            .addComponent(jLabel11))
        .addGroup(layout.createSequentialGroup()
            .addGap(297, 297, 297)
            .addComponent(jLabel12))
        .addComponent(jLabel10))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel13)
        .addGap(82, 82, 82)
        .addComponent(jLabel14)))

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(layout.createSequentialGroup()
            .addGap(99, 99, 99)

```



```

        .addComponent(jLabel15)
        .addGap(122, 122, 122)
        .addComponent(jLabel16)
        .addGap(72, 72, 72))
    .addGroup(layout.createSequentialGroup())
        .addGap(76, 76, 76)
        .addComponent(jScrollPane5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jScrollPane6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(60, 60, 60))))
    .addGroup(layout.createSequentialGroup())

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
            .addGap(316, 316, 316)
            .addComponent(jLabel3))
        .addGroup(layout.createSequentialGroup())
            .addGap(307, 307, 307)
            .addComponent(bookbt)
            .addGap(63, 63, 63)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED_SIZE,
134, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(layout.createSequentialGroup())
            .addComponent(resetbt)
            .addGap(98, 98, 98)
            .addComponent(backbt))))))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    .addGroup(layout.createSequentialGroup())
        .addGap(76, 76, 76)

```

```

        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 893,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(0, 0, Short.MAX_VALUE))

    );

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jScrollPane5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel3)
                .addGap(45, 45, 45)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel10)
                .addComponent(jLabel11)
                .addComponent(jLabel12)
                .addComponent(jLabel13)
                .addComponent(jLabel14)
                .addComponent(jLabel15)
                .addComponent(jLabel16))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(27, 27, 27)

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

```

```

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(passidtb,
                javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(pgentb,
                javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(fctb,
                javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(jScrollPane3,
                javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(layout.createSequentialGroup()
            .addGap(36, 36, 36)
            .addComponent(jScrollPane4,
                javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE))))
.addComponent(jScrollPane6,
    javax.swing.GroupLayout.Alignment.TRAILING,
    javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
    javax.swing.GroupLayout.PREFERRED_SIZE))))
.addGap(46, 46, 46)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(bookbt)
            .addComponent(resetbt)
            .addComponent(backbt))
.addGap(45, 45, 45)      import
java.awt.HeadlessException; import
java.sql.Connection; import
java.sql.DriverManager; import
java.sql.PreparedStatement; import
java.sql.ResultSet; import
java.sql.SQLException; import
java.sql.Statement; import

```

```

java.util.logging.Level; import
java.util.logging.Logger; import
javax.swing.JOptionPane;

```

```

public class booking extends javax.swing.JFrame {

```

```

    public booking() {
    initComponents();
    Getpaassanger();
    nattb.setEditable(false);
    pnametb.setEditable(false);
    passnumtb.setEditable(false);
    pgentb.setEditable(false);
        Getflights();
        DisplayBooking();
    }

```

```

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

```

```

        jLabel4 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel(); jLabel9 =
        new javax.swing.JLabel(); jLabel6 = new
        javax.swing.JLabel(); jLabel7 = new
        javax.swing.JLabel();    jLabel8 = new
        javax.swing.JLabel();    jLabel5 = new
        javax.swing.JLabel();    jPanel1 = new
        javax.swing.JPanel();    jLabel3 = new

```

```

javax.swing.JLabel();    jLabel10 = new
javax.swing.JLabel();    jLabel11 = new
javax.swing.JLabel();    jLabel12 = new
javax.swing.JLabel();    jLabel13 = new
javax.swing.JLabel();    jLabel14 = new
javax.swing.JLabel();    jLabel15 = new
javax.swing.JLabel();    jLabel16 = new
javax.swing.JLabel();    passidtb = new
javax.swing.JComboBox<>();    pgentb = new
javax.swing.JComboBox<>();    jScrollPane3
= new javax.swing.JScrollPane();    pnametb =
new javax.swing.JEditorPane();    fctb = new
javax.swing.JComboBox<>();    jScrollPane4
= new javax.swing.JScrollPane();    passnumtb
= new javax.swing.JEditorPane();
jScrollPane5 = new javax.swing.JScrollPane();
amounttb = new javax.swing.JEditorPane();
jScrollPane6 = new javax.swing.JScrollPane();
nattb = new javax.swing.JEditorPane();
bookbt = new javax.swing.JButton();    resetbt
= new javax.swing.JButton();    backbt = new
javax.swing.JButton();    jLabel17 = new
javax.swing.JLabel();    jScrollPane1 = new
javax.swing.JScrollPane();    bookingtable =
new javax.swing.JTable(); jLabel4.setFont(new
java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel4.setForeground(new java.awt.Color(0,
255, 204));
    jLabel4.setText("Passenger id");

```

```
jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 255, 204));    jLabel2.setText("Passenger
name");
```

```
jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel9.setForeground(new java.awt.Color(0, 255, 204));    jLabel9.setText("Flight
code");
```

```
jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel6.setForeground(new java.awt.Color(0, 255, 204));    jLabel6.setText("Gender");
```

```
jLabel7.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel7.setForeground(new java.awt.Color(0, 255, 204));    jLabel7.setText("Passport
Number");
```

```
jLabel8.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel8.setForeground(new java.awt.Color(0, 255, 204));    jLabel8.setText("Amount");
```

```
jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel5.setForeground(new java.awt.Color(0, 255, 204));    jLabel5.setText("Nationality");
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jPanel1.setBackground(new java.awt.Color(0, 255, 204)); javax.swing.GroupLayout
jPanel1Layout = new javax.swing.GroupLayout(jPanel1); jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 0, Short.MAX_VALUE)
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 142, Short.MAX_VALUE)
);
```

```
);
```

```
jLabel3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(51, 51, 255));    jLabel3.setText("AIRLINES
MANAGEMENT SYSTEM");
```

```
jLabel10.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel10.setForeground(new java.awt.Color(0, 255, 204));    jLabel10.setText("Passenger
id");
```

```
jLabel11.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel11.setForeground(new java.awt.Color(0, 255, 204));    jLabel11.setText("Passenger
name");
```

```
jLabel12.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel12.setForeground(new java.awt.Color(0, 255, 204));    jLabel12.setText("Flight
code");
```

```
jLabel13.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel13.setForeground(new java.awt.Color(0, 255, 204));    jLabel13.setText("Gender");
```

```
jLabel14.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel14.setForeground(new java.awt.Color(0, 255, 204));    jLabel14.setText("Passport
Number");
```

```
jLabel15.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel15.setForeground(new java.awt.Color(0, 255, 204));    jLabel15.setText("Amount");
```

```
jLabel16.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel16.setForeground(new java.awt.Color(0, 255, 204));
jLabel16.setText("Nationality");
```

```

        passidtb.setEditable(true);        passidtb.setFont(new
java.awt.Font("Tahoma", 1, 14)); // NOI18N
passidtb.addMouseListener(new java.awt.event.MouseAdapter() {
public void mouseClicked(java.awt.event.MouseEvent evt) {
passidtbMouseClicked(evt);
        }
});
        passidtb.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
passidtbActionPerformed(evt);
        }
});

pgentb.setEditable(true);
pgentb.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
pgentb.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "MALE",
"FEMALE" }));

jScrollPane3.setViewportViewView(pnametb);

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

jScrollPane4.setViewportViewView(passnumtb);

jScrollPane5.setViewportViewView(amounttb);

jScrollPane6.setViewportViewView(nattb);

bookbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
bookbt.setText("Book");        bookbt.addMouseListener(new
java.awt.event.MouseAdapter() {        public void

```



```

mouseClicked(java.awt.event.MouseEvent evt) {
bookbtMouseClicked(evt);
    }
});

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

resetbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
resetbt.setText("Reset");    resetbt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
resetbtMouseClicked(evt);
    }
});

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

backbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
backbt.setText("Back");    backbt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
backbtMouseClicked(evt);
    }
});

```



```

        .addComponent(passidtb, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(41, 41, 41)
        .addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(37, 37, 37)
        .addComponent(fctb, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(39, 39, 39)
        .addComponent(pgentb, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
86, Short.MAX_VALUE)
        .addComponent(jScrollPane4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(124, 124, 124)
            .addComponent(jLabel11))
        .addGroup(layout.createSequentialGroup()
            .addGap(297, 297, 297)
            .addComponent(jLabel12))
        .addComponent(jLabel10))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel13)
        .addGap(82, 82, 82)
        .addComponent(jLabel14)))

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(layout.createSequentialGroup()
            .addGap(99, 99, 99)
            .addComponent(jLabel15)

```

```

        .addGap(122, 122, 122)
        .addComponent(jLabel16)
        .addGap(72, 72, 72))
    .addGroup(layout.createSequentialGroup()
        .addGap(76, 76, 76)
        .addComponent(jScrollPane5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jScrollPane6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(60, 60, 60))))
    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(316, 316, 316)
        .addComponent(jLabel3))
    .addGroup(layout.createSequentialGroup()
        .addGap(307, 307, 307)
        .addComponent(bookbt)
        .addGap(63, 63, 63)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED_SIZE,
134, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGroup(layout.createSequentialGroup()
        .addComponent(resetbt)
        .addGap(98, 98, 98)
        .addComponent(backbt))))))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    .addGroup(layout.createSequentialGroup()
        .addGap(76, 76, 76)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 893,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGap(0, 0, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jScrollPane5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jLabel3)
            .addGap(45, 45, 45)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel10)
        .addComponent(jLabel11)
        .addComponent(jLabel12)
        .addComponent(jLabel13)
        .addComponent(jLabel14)
        .addComponent(jLabel15)
        .addComponent(jLabel16))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(27, 27, 27)

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(passidtb,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(pgentb,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(fctb,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addGroup(layout.createSequentialGroup())

        .addGap(36, 36, 36)

        .addComponent(jScrollPane4,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))

        .addComponent(jScrollPane6,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))

        .addGap(46, 46, 46)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(bookbt)

            .addComponent(resetbt)

            .addComponent(backbt))

        .addGap(45, 45, 45)

        .addComponent(jLabel17)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))

    );

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

```

```

Connection con=null;
PreparedStatement put=null;
ResultSet rs=null,rs1=null;
Statement st=null,st1=null; private
void Getpaassanger()
{
try {
    con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
    st=con.createStatement();
    String q="select * from passengers";
    rs=st.executeQuery(q);    while(rs.next())
    {
        String pid=String.valueOf(rs.getInt("pid"));
        passidtb.addItem(pid);

    }
} catch (SQLException ex) {
    Logger.getLogger(booking.class.getName()).log(Level.SEVERE, null, ex);
}
} private void
Getpassengerdata()
{
    String q="select * from passengers where pid="+passidtb.getSelectedItem().toString();
    Statement st;
    ResultSet rs;
    try {
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
        st=con.createStatement();    rs=st.executeQuery(q);    if(rs.next())
        {
            pnametb.setText(rs.getString("pname"));
            pgentb.setSelectedItem(rs.getString("pgender"));

```

```

passnumtb.setText(rs.getString("ppassport"));
nattb.setText(rs.getString("pnationality"));

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

private void Getflights()
{
try {
    con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
st=con.createStatement();      String q="select * from flights";
rs=st.executeQuery(q);      while(rs.next())

    {
        String fcode=rs.getString("flightcode");
fctb.addItem(fcode);
    }
} catch (SQLException ex) {
    Logger.getLogger(booking.class.getName()).log(Level.SEVERE, null, ex);
} } private void
bookbtActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
}

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

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

```



```

    }
private void DisplayBooking()
{
try{

    con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
st=con.createStatement();
    rs=st.executeQuery("select * from bookings");
bookingtable.setModel(net.proteanit.sql.DbUtils.resultSetToTableModel(rs));


    }catch(Exception e){
    }
}
int tid=0; private void
countflights()
{
    try{
        st1=con.createStatement();
rs1=st1.executeQuery("select Max(Ticketid) from bookings");
rs1.next();
        tid=rs1.getInt(1)+1;
    }catch(Exception e){

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

if(pnametb.getText().isEmpty()||passnumtb.getText().isEmpty()||passidtb.getSelectedIndex()==
-1||fctb.getSelectedIndex()==-1||amounttb.getText().isEmpty())
{
    JOptionPane.showMessageDialog(this," missing information");
}
else{
    try
{
countflights();
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");

```

```

        PreparedStatement Add=con.prepareStatement("insert into bookings
values(?,?,?,?,?,?)");
        Add.setInt(1, tid);
        Add.setString(2, pnametb.getText());
        Add.setString(3, fctb.getSelectedItem().toString());
        Add.setString(5, passnumtb.getText());
        Add.setString(4, pgentb.getSelectedItem().toString());
        Add.setInt(6,Integer.valueOf(amounttb.getText()));
Add.setString(7, nattb.getText());          int
row=Add.executeUpdate();
JOptionPane.showMessageDialog(this," ticket added");
con.close();          DisplayBooking();          clear();
        }catch(HeadlessException | SQLException e)
        {
            JOptionPane.showMessageDialog(this,e);
        }

    }

}

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

}

private void passidtbActionPerformed(java.awt.event.ActionEvent evt) {
Getpassengerdata();
}

private void backbtMouseClicked(java.awt.event.MouseEvent evt) {
new mainframe().setVisible(true);          this.dispose();
}

private void clear()

```

```

{   fctb.setSelectedIndex(-1);
    pnametb.setText("");
    passnumtb.setText("");
    pgentb.setSelectedIndex(-1);
    nattb.setText("");
    amounttb.setText("");

}   private void resetbtMouseClicked(java.awt.event.MouseEvent evt)
{
    clear();
}   public static void main(String args[])
{

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

// Variables declaration - do not modify
private javax.swing.JEditorPane amounttb;
private javax.swing.JButton backbt;   private
javax.swing.JButton bookbt;   private
javax.swing.JTable bookingtable;   private
javax.swing.JComboBox<String> fctb;   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 jLabel17;    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.JScrollPane jScrollPane1;    private
javax.swing.JScrollPane jScrollPane3;    private
javax.swing.JScrollPane jScrollPane4;    private
javax.swing.JScrollPane jScrollPane5;    private
javax.swing.JScrollPane jScrollPane6;    private
javax.swing.JEditorPane natb;    private
javax.swing.JComboBox<String> passidb;    private
javax.swing.JEditorPane passnumb;    private
javax.swing.JComboBox<String> pgentb;    private
javax.swing.JEditorPane pnametb;    private
javax.swing.JButton resetb;

    // End of variables declaration
}

```

## 6. "CANCELLATION"

```

import java.awt.HeadlessException;
import java.sql.Connection; import
java.sql.DriverManager; import
java.sql.PreparedStatement; import
java.sql.ResultSet; import
java.sql.SQLException; import
java.sql.Statement; import

```

```

java.util.logging.Level; import
java.util.logging.Logger; import
javax.swing.JOptionPane;

public class cancellation extends javax.swing.JFrame { public cancellation() {
    initComponents();
    Getticket();
    fctb.setEditable(false);
    Displaycancel();
}
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {    jPanel1 = new
javax.swing.JPanel();    jLabel3 = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();    jLabel4 = new
javax.swing.JLabel();    jLabel2 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();    tidtb = new
javax.swing.JComboBox<>();    jScrollPane5 = new
javax.swing.JScrollPane();    fctb = new
javax.swing.JEditorPane();    jScrollPane6 = new
javax.swing.JScrollPane();    fdtb = new
javax.swing.JEditorPane();    bookbt = new
javax.swing.JButton();    resetbt = new javax.swing.JButton();
backbt = new javax.swing.JButton();    jLabel13 = new
javax.swing.JLabel();    jScrollPane1 = new
javax.swing.JScrollPane();    cancellationtb = new
javax.swing.JTable();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(0, 255, 204));

```

```

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);                jPanel1Layout.setHorizontalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGap(0, 0, Short.MAX_VALUE)
);
        jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGap(0, 96, Short.MAX_VALUE)
);

```

```

        jLabel3.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(51, 51, 255));    jLabel3.setText("AIRLINES
MANAGEMENT SYSTEM");

```

```

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel1.setForeground(new java.awt.Color(0, 255, 204));    jLabel1.setText("Ticket
Cancellation");

```

```

        jLabel4.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel4.setForeground(new java.awt.Color(0, 255, 204));    jLabel4.setText("Ticket
id");

```

```

        jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 255, 204));    jLabel2.setText("Flight
code");

```

```

        jLabel9.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
jLabel9.setForeground(new java.awt.Color(0, 255, 204));    jLabel9.setText("Flight
date");

```

```

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

```

```

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

jScrollPane5.setViewportViewView(fctb);

jScrollPane6.setViewportViewView(fdtb);

bookbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
bookbt.setText("cancel");    bookbt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
bookbtMouseClicked(evt);
    }
});
bookbt.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
bookbtActionPerformed(evt);
    }
});

resetbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
resetbt.setText("Reset");
resetbt.addMouseListener(new java.awt.event.MouseAdapter() {
public void mouseClicked(java.awt.event.MouseEvent evt) {
resetbtMouseClicked(evt);
    }
});

```

```

        resetbt.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
resetbtActionPerformed(evt);

        }
});

```

```

        backbt.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
backbt.setText("Back");    backbt.addMouseListener(new
java.awt.event.MouseAdapter() {    public void
mouseClicked(java.awt.event.MouseEvent evt) {
backbtMouseClicked(evt);

        }
});

```

```

        backbt.addActionListener(new java.awt.event.ActionListener() {
public void actionPerformed(java.awt.event.ActionEvent evt) {
backbtActionPerformed(evt);

        }
});

```

```

        jLabel13.setFont(new java.awt.Font("Tahoma", 3, 14)); // NOI18N
jLabel13.setForeground(new java.awt.Color(0, 0, 255));    jLabel13.setText("Cancellation
List");

```

```

        cancellationtb.setModel(new javax.swing.table.DefaultTableModel(
new Object [][] {    {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },    new
String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }

```



```

));
cancellationtb.setSelectionBackground(new java.awt.Color(255, 255, 51));
jScrollPane1.setViewportView(cancellationtb);

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(339, 339, 339)
        .addComponent(jLabel3))
    .addGroup(layout.createSequentialGroup()
        .addGap(403, 403, 403)
        .addComponent(jLabel1))
    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
layout.createSequentialGroup()
        .addGap(216, 216, 216)
        .addComponent(tidtb, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jScrollPane5,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
layout.createSequentialGroup()
        .addGap(236, 236, 236)

```

```

        .addComponent(jLabel4)
        .addGap(156, 156, 156)
        .addComponent(jLabel2)))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(165, 165, 165)
            .addComponent(jLabel9))
        .addGroup(layout.createSequentialGroup()
            .addGap(148, 148, 148)
            .addComponent(jScrollPane6,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(layout.createSequentialGroup()
            .addGap(322, 322, 322)
            .addComponent(bookbt)
            .addGap(63, 63, 63)
            .addComponent(resetbt)
            .addGap(98, 98, 98)
            .addComponent(backbt))
        .addGroup(layout.createSequentialGroup()
            .addGap(428, 428, 428)
            .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addGap(82, 82, 82)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
813, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(143, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()

```

```

        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel3)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel1)
        .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel4)
        .addComponent(jLabel2)
        .addComponent(jLabel9))
        .addGap(28, 28, 28)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(tidtb, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jScrollPane5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jScrollPane6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(40, 40, 40)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(bookbt)
        .addComponent(resetbt)
        .addComponent(backbt))
        .addGap(18, 18, 18)
        .addComponent(jLabel13)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 366,
Short.MAX_VALUE)
        .addContainerGap()
    );

```

```

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

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

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

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

    private void backbtMouseClicked(java.awt.event.MouseEvent evt) {
new mainframe().setVisible(true);    this.dispose();

    }
Connection con=null;
PreparedStatement put=null;
ResultSet rs=null,rs1=null;
Statement st=null,st1=null; private
void Getfcode()
{
    String q="select * from bookings where Ticketid="+tidtb.getSelectedItemAt().toString();
    Statement st;
    ResultSet rs;
    try {
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
        st=con.createStatement();

```

```

        rs=st.executeQuery(q);
    if(rs.next())
        {
            fctb.setText(rs.getString("flightcode"));
        }
    } catch (SQLException ex) {
        Logger.getLogger(booking.class.getName()).log(Level.SEVERE, null, ex);
    }
}

private void Getticket()
{
    try {
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
        st=con.createStatement();
        String q="select * from bookings";
        rs=st.executeQuery(q);        while(rs.next())
        {
            String t=rs.getString("Ticketid");
            tidtb.addItem(t);

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

private void Displaycancel()
{
    try{

```

```

        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
st=con.createStatement();      rs=st.executeQuery("select * from cancellation");
cancellationtb.setModel(net.proteanit.sql.DbUtils.resultSetToTableModel(rs));

    } catch(Exception e){

    }

} int cid=0; private void
countcancel()
{    try{        st1=con.createStatement();
rs1=st1.executeQuery("select Max(candidid) from cancellation");
rs1.next();        cid=rs1.getInt(1)+1;
    } catch(Exception e){

    } } private void
resetbtMouseClicked(java.awt.event.MouseEvent evt) {
fctb.setText("");
}

private void tidtbActionPerformed(java.awt.event.ActionEvent evt) {
Getfcode();
}
private void cancel()
{
    try{
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
        String q="Delete from bookings where Ticketid="+tidtb.getSelectedItem();
Statement del=con.createStatement();        del.executeUpdate(q);
        //JOptionPane.showMessageDialog(this, "flight deleted");

```

```

        //Displayflights();
    }catch(Exception e){
        JOptionPane.showMessageDialog(this, e);
    }
} private void bookbtMouseClicked(java.awt.event.MouseEvent evt)
{
    if(fctb.getText().isEmpty())
    {
        JOptionPane.showMessageDialog(this," missing information");
    }else{
        try
        {
            countcancel();

            con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airlines","root","");
            PreparedStatement Add=con.prepareStatement("insert into cancellation
values(?,?,?,?)");
            Add.setInt(1, cid);
            Add.setInt(2, Integer.valueOf(tidtb.getSelectedItem().toString()));
            Add.setString(3, fctb.getText());
            Add.setString(4, fdtb.getText());
            int
            row=Add.executeUpdate();

            JOptionPane.showMessageDialog(this," ticket cancelled");
            con.close();
            cancel();
            Displaycancel();
            Getticket();
            //Clear();
        }catch(HeadlessException | SQLException e)
        {
            JOptionPane.showMessageDialog(this,e);
        }
    }
}

public static void main(String args[]) {

```

```

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

```

```

// Variables declaration - do not modify
private javax.swing.JButton backbt;
private javax.swing.JButton bookbt;
private javax.swing.JTable cancellationtb;
private javax.swing.JEditorPane fctb;
private javax.swing.JEditorPane fdtb;
private javax.swing.JLabel jLabel1; private
javax.swing.JLabel jLabel13; private
javax.swing.JLabel jLabel2; private
javax.swing.JLabel jLabel3; private
javax.swing.JLabel jLabel4; private
javax.swing.JLabel jLabel9; private
javax.swing.JPanel jPanel1;

private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane5;
private javax.swing.JScrollPane jScrollPane6;
private javax.swing.JButton resetbt; private
javax.swing.JComboBox<String> tidtb;
// End of variables declaration
}

```



