

SOURCE CODE FOR MINI PROJECT

AIRLINE MANAGEMENT SYSTEM

JDBC Connectivity:

```
package airlinemanagementsystem;

import java.sql.*;

public class Conn {

    Connection c;

    Statement s;

    public Conn() {

        try {

            Class.forName("com.mysql.cj.jdbc.Driver");

            C=DriverManager.getConnection("jdbc:mysql:///airlinemanagementsyst
em", "root", "WJ28@krhps");

            s = c.createStatement();

        } catch (Exception e) {

            e.printStackTrace();

        }

    }

}
```

Add customer:

```
package airlinemanagementsystem;

import javax.swing.*;

import java.awt.*;

import java.awt.event.*;
```

```
public class AddCustomer extends JFrame implements ActionListener{
```

```
    JTextField tfname, tfphone, tfaadhar, tfnationality, tfaddress;
```

```
    JRadioButton rbmale, rbfemale;
```

```
    public AddCustomer() {
```

```
        getContentPane().setBackground(Color.WHITE);
```

```
        setLayout(null);
```

```
        JLabel heading = new JLabel("ADD CUSTOMER DETAILS");
```

```
        heading.setBounds(220, 20, 500, 35);
```

```
        heading.setFont(new Font("Tahoma", Font.PLAIN, 32));
```

```
        heading.setForeground(Color.BLUE);
```

```
        add(heading);
```

```
        JLabel lblname = new JLabel("Name");
```

```
        lblname.setBounds(60, 80, 150, 25);
```

```
        lblname.setFont(new Font("Tahoma", Font.PLAIN, 16));
```

```
        add(lblname);
```

```
        tfname = new JTextField();
```

```
        tfname.setBounds(220, 80, 150, 25);
```

```
        add(tfname);
```

```
        JLabel lblnationality = new JLabel("Nationality");
```

```
        lblnationality.setBounds(60, 130, 150, 25);
```

```
lblnationality.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblnationality);
```

```
tfnationality = new JTextField();  
tfnationality.setBounds(220, 130, 150, 25);  
add(tfnationality);
```

```
JLabel lblaadhar = new JLabel("Aadhar Number");  
lblaadhar.setBounds(60, 180, 150, 25);  
lblaadhar.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblaadhar);
```

```
tfaadhar = new JTextField();  
tfaadhar.setBounds(220, 180, 150, 25);  
add(tfaadhar);
```

```
JLabel lbladdress = new JLabel("Address");  
lbladdress.setBounds(60, 230, 150, 25);  
lbladdress.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lbladdress);
```

```
tfaddress = new JTextField();  
tfaddress.setBounds(220, 230, 150, 25);  
add(tfaddress);
```

```
JLabel lblgender = new JLabel("Gender");
```

```
lblgender.setBounds(60, 280, 150, 25);  
lblgender.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblgender);
```

```
ButtonGroup gendergroup = new ButtonGroup();
```

```
rbmale = new JRadioButton("Male");  
rbmale.setBounds(220, 280, 70, 25);  
rbmale.setBackground(Color.WHITE);  
add(rbmale);
```

```
rbfemale = new JRadioButton("Female");  
rbfemale.setBounds(300, 280, 70, 25);  
rbfemale.setBackground(Color.WHITE);  
add(rbfemale);
```

```
gendergroup.add(rbmale);  
gendergroup.add(rbfemale);
```

```
JLabel lblphone = new JLabel("Phone");  
lblphone.setBounds(60, 330, 150, 25);  
lblphone.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblphone);
```

```
tfphone = new JTextField();  
tfphone.setBounds(220, 330, 150, 25);
```

```
add(tfphone);
```

```
 JButton save = new JButton("SAVE");
```

```
 save.setBackground(Color.BLACK);
```

```
 save.setForeground(Color.WHITE);
```

```
 save.setBounds(220, 380, 150, 30);
```

```
 save.addActionListener(this);
```

```
 add(save);
```

```
    ImageIcon image = new  
ImageIcon(ClassLoader.getResource("airlinemanagementsystem/icons/em  
p.png"));
```

```
    JLabel lblimage = new JLabel(image);
```

```
    lblimage.setBounds(450, 80, 280, 400);
```

```
    add(lblimage);
```

```
setSize(900, 600);
```

```
setLocation(300, 150);
```

```
setVisible(true);
```

```
}
```

```
public void actionPerformed(ActionEvent ae) {
```

```
    String name = tfname.getText();
```

```
    String nationality = tfnationality.getText();
```

```
    String phone = tfphone.getText();
```

```
    String address = tfaddress.getText();
```

```
    String aadhar = tfaadhar.getText();
```

```

String gender = null;
if (rbmale.isSelected()) {
    gender = "Male";
} else {
    gender = "Female";
}

try {
    Conn conn = new Conn();

    String query = "insert into passenger values('"+name+"',
"+nationality+"', '"+phone+"', '"+address+"', '"+aadhar+"', '"+gender+"')";

    conn.s.executeUpdate(query);

    JOptionPane.showMessageDialog(null, "Customer Details Added
Successfully");

    setVisible(false);
} catch (Exception e) {
    e.printStackTrace();
}

}

public static void main(String[] args) {
    new AddCustomer();
}

```

```
}
```

Boarding Pass:

```
package airlinemanagementsystem;
```

```
import javax.swing.*;
```

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
import java.sql.*;
```

```
import java.util.*;
```

```
public class BoardingPass extends JFrame implements ActionListener{
```

```
    JTextField tfpnr;
```

```
    JLabel tfname, tfnationality, lblsrc, lbldest, labelfname, labelfcode, labeldate;
```

```
    JButton fetchButton;
```

```
    public BoardingPass() {
```

```
        getContentPane().setBackground(Color.WHITE);
```

```
        setLayout(null);
```

```
        JLabel heading = new JLabel("AIR INDIA");
```

```
        heading.setBounds(380, 10, 450, 35);
```

```
        heading.setFont(new Font("Tahoma", Font.PLAIN, 32));
```

```
        add(heading);
```

```
        JLabel subheading = new JLabel("Boarding Pass");
```

```
subheading.setBounds(360, 50, 300, 30);  
subheading.setFont(new Font("Tahoma", Font.PLAIN, 24));  
subheading.setForeground(Color.BLUE);  
add(subheading);
```

```
JLabel lblaadhar = new JLabel("PNR DETAILS");  
lblaadhar.setBounds(60, 100, 150, 25);  
lblaadhar.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblaadhar);
```

```
tfpnr = new JTextField();  
tfpnr.setBounds(220, 100, 150, 25);  
add(tfpnr);
```

```
fetchButton = new JButton("Enter");  
fetchButton.setBackground(Color.BLACK);  
fetchButton.setForeground(Color.WHITE);  
fetchButton.setBounds(380, 100, 120, 25);  
fetchButton.addActionListener(this);  
add(fetchButton);
```

```
JLabel lblname = new JLabel("NAME");  
lblname.setBounds(60, 140, 150, 25);  
lblname.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblname);
```



```
tfname = new JLabel();  
tfname.setBounds(220, 140, 150, 25);  
add(tfname);
```

```
JLabel lblnationality = new JLabel("NATIONALITY");  
lblnationality.setBounds(60, 180, 150, 25);  
lblnationality.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblnationality);
```

```
tfnationality = new JLabel();  
tfnationality.setBounds(220, 180, 150, 25);  
add(tfnationality);
```

```
JLabel lbladdress = new JLabel("SRC");  
lbladdress.setBounds(60, 220, 150, 25);  
lbladdress.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lbladdress);
```

```
lblsrc = new JLabel();  
lblsrc.setBounds(220, 220, 150, 25);  
add(lblsrc);
```

```
JLabel lblgender = new JLabel("DEST");  
lblgender.setBounds(380, 220, 150, 25);  
lblgender.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblgender);
```

```
lbldest = new JLabel();  
lbldest.setBounds(540, 220, 150, 25);  
add(lbldest);
```

```
JLabel lblfname = new JLabel("Flight Name");  
lblfname.setBounds(60, 260, 150, 25);  
lblfname.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblfname);
```

```
labelfname = new JLabel();  
labelfname.setBounds(220, 260, 150, 25);  
add(labelfname);
```

```
JLabel lblfcode = new JLabel("Flight Code");  
lblfcode.setBounds(380, 260, 150, 25);  
lblfcode.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblfcode);
```

```
labelfcode = new JLabel();  
labelfcode.setBounds(540, 260, 150, 25);  
add(labelfcode);
```

```
JLabel lbldate = new JLabel("Date");  
lbldate.setBounds(60, 300, 150, 25);  
lbldate.setFont(new Font("Tahoma", Font.PLAIN, 16));
```

```
add(lbldate);
```

```
labeldate = new JLabel();
```

```
labeldate.setBounds(220, 300, 150, 25);
```

```
add(labeldate);
```

```
ImageIcon i1 = new  
ImageIcon(ClassLoader.getResource("airlinemanagementsystem/icons/a  
irindia.png"));
```

```
Image i2 = i1.getImage().getScaledInstance(300, 230,  
Image.SCALE_DEFAULT);
```

```
ImageIcon image = new ImageIcon(i2);
```

```
JLabel lblimage = new JLabel(image);
```

```
lblimage.setBounds(600, 0, 300, 300);
```

```
add(lblimage);
```

```
setSize(1000, 450);
```

```
setLocation(300, 150);
```

```
setVisible(true);
```

```
}
```

```
public void actionPerformed(ActionEvent ae) {
```

```
String pnr = tfpnr.getText();
```

```
try {
```

```
Conn conn = new Conn();
```

```

String query = "select * from reservation where PNR = '"+pnr+"'";

ResultSet rs = conn.s.executeQuery(query);

if (rs.next()) {
    tfname.setText(rs.getString("name"));
    tfnationality.setText(rs.getString("nationality"));
    lblsrc.setText(rs.getString("src"));
    lbldest.setText(rs.getString("des"));
    labelfname.setText(rs.getString("flightname"));
    labelfcode.setText(rs.getString("flightcode"));
    labeldate.setText(rs.getString("ddate"));
} else {
    JOptionPane.showMessageDialog(null, "Please enter correct
PNR");
}
} catch (Exception e) {
    e.printStackTrace();
}
}

public static void main(String[] args) {
    new BoardingPass();
}
}

```

Book Flight:

```
package airlinemanagementsystem;
```

```
import javax.swing.*;
```

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
import java.sql.*;
```

```
import com.toedter.calendar.JDateChooser;
```

```
import java.util.*;
```

```
public class BookFlight extends JFrame implements ActionListener{
```

```
    JTextField tfaadhar;
```

```
    JLabel tfname, tfnationality, tfaddress, labelgender, labelfname, labelfcode;
```

```
    JButton bookflight, fetchButton, flight;
```

```
    Choice source, destination;
```

```
    JDateChooser dcdate;
```

```
    public BookFlight() {
```

```
        getContentPane().setBackground(Color.WHITE);
```

```
        setLayout(null);
```

```
        JLabel heading = new JLabel("Book Flight");
```

```
        heading.setBounds(420, 20, 500, 35);
```

```
        heading.setFont(new Font("Tahoma", Font.PLAIN, 32));
```

```
        heading.setForeground(Color.BLUE);
```

```
        add(heading);
```

```
JLabel lblaadhar = new JLabel("Aadhar");  
lblaadhar.setBounds(60, 80, 150, 25);  
lblaadhar.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblaadhar);
```

```
tfaadhar = new JTextField();  
tfaadhar.setBounds(220, 80, 150, 25);  
add(tfaadhar);
```

```
fetchButton = new JButton("Fetch User");  
fetchButton.setBackground(Color.BLACK);  
fetchButton.setForeground(Color.WHITE);  
fetchButton.setBounds(380, 80, 120, 25);  
fetchButton.addActionListener(this);  
add(fetchButton);
```

```
JLabel lblname = new JLabel("Name");  
lblname.setBounds(60, 130, 150, 25);  
lblname.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblname);
```

```
tfname = new JLabel();  
tfname.setBounds(220, 130, 150, 25);  
add(tfname);
```

```
JLabel lblnationality = new JLabel("Nationality");  
lblnationality.setBounds(60, 180, 150, 25);  
lblnationality.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblnationality);
```

```
tfnationality = new JLabel();  
tfnationality.setBounds(220, 180, 150, 25);  
add(tfnationality);
```

```
JLabel lbladdress = new JLabel("Address");  
lbladdress.setBounds(60, 230, 150, 25);  
lbladdress.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lbladdress);
```

```
tfaddress = new JLabel();  
tfaddress.setBounds(220, 230, 150, 25);  
add(tfaddress);
```

```
JLabel lblgender = new JLabel("Gender");  
lblgender.setBounds(60, 280, 150, 25);  
lblgender.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblgender);
```

```
labelgender = new JLabel("Gender");  
labelgender.setBounds(220, 280, 150, 25);  
add(labelgender);
```

```
JLabel lblsource = new JLabel("Source");  
lblsource.setBounds(60, 330, 150, 25);  
lblsource.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblsource);
```

```
source = new Choice();  
source.setBounds(220, 330, 150, 25);  
add(source);
```

```
JLabel lbldest = new JLabel("Destination");  
lbldest.setBounds(60, 380, 150, 25);  
lbldest.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lbldest);
```

```
destination = new Choice();  
destination.setBounds(220, 380, 150, 25);  
add(destination);
```

```
try {  
    Conn c = new Conn();  
    String query = "select * from flight";  
    ResultSet rs = c.s.executeQuery(query);  
  
    while(rs.next()) {  
        source.add(rs.getString("source"));
```



```
        destination.add(rs.getString("destination"));
    }

} catch (Exception e) {
    e.printStackTrace();
}

flight = new JButton("Fetch Flights");
flight.setBackground(Color.BLACK);
flight.setForeground(Color.WHITE);
flight.setBounds(380, 380, 120, 25);
flight.addActionListener(this);
add(flight);

JLabel lblfname = new JLabel("Flight Name");
lblfname.setBounds(60, 430, 150, 25);
lblfname.setFont(new Font("Tahoma", Font.PLAIN, 16));
add(lblfname);

labelfname = new JLabel();
labelfname.setBounds(220, 430, 150, 25);
add(labelfname);

JLabel lblfcode = new JLabel("Flight Code");
lblfcode.setBounds(60, 480, 150, 25);
lblfcode.setFont(new Font("Tahoma", Font.PLAIN, 16));
```

```
add(lblfcode);
```

```
labelfcode = new JLabel();
```

```
labelfcode.setBounds(220, 480, 150, 25);
```

```
add(labelfcode);
```

```
JLabel lbldate = new JLabel("Date of Travel");
```

```
lbldate.setBounds(60, 530, 150, 25);
```

```
lbldate.setFont(new Font("Tahoma", Font.PLAIN, 16));
```

```
add(lbldate);
```

```
dcdate = new JDateChooser();
```

```
dcdate.setBounds(220, 530, 150, 25);
```

```
add(dcdate);
```

```
ImageIcon i1 = new  
ImageIcon(ClassLoader.getResource("airlinemanagementsystem/icons/d  
etails.jpg"));
```

```
Image i2 = i1.getImage().getScaledInstance(450, 320,  
Image.SCALE_DEFAULT);
```

```
ImageIcon image = new ImageIcon(i2);
```

```
JLabel lblimage = new JLabel(image);
```

```
lblimage.setBounds(550, 80, 500, 410);
```

```
add(lblimage);
```

```
bookflight = new JButton("Book Flight");
```

```
bookflight.setBackground(Color.BLACK);
```

```
bookflight.setForeground(Color.WHITE);
```

```
bookflight.setBounds(220, 580, 150, 25);
```

```
bookflight.addActionListener(this);
```

```
add(bookflight);
```

```
setSize(1100, 700);
```

```
setLocation(200, 50);
```

```
setVisible(true);
```

```
}
```

```
public void actionPerformed(ActionEvent ae) {
```

```
    if (ae.getSource() == fetchButton) {
```

```
        String aadhar = tfaadhar.getText();
```

```
        try {
```

```
            Conn conn = new Conn();
```

```
            String query = "select * from passenger where aadhar =  
            '"+aadhar+"'";
```

```
            ResultSet rs = conn.s.executeQuery(query);
```

```
            if (rs.next()) {
```

```
                tfname.setText(rs.getString("name"));
```

```
                tfnationality.setText(rs.getString("nationality"));
```

```
                tfaddress.setText(rs.getString("address"));
```

```
                labelgender.setText(rs.getString("gender"));
```

```

        } else {
            JOptionPane.showMessageDialog(null, "Please enter correct
aadhar");
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
} else if (ae.getSource() == flight) {
    String src = source.getSelectedItemAt();
    String dest = destination.getSelectedItemAt();
    try {
        Conn conn = new Conn();

        String query = "select * from flight where source = '"+src+"' and
destination = '"+dest+"'";

        ResultSet rs = conn.s.executeQuery(query);

        if (rs.next()) {
            labelfname.setText(rs.getString("f_name"));
            labelfcode.setText(rs.getString("f_code"));
        } else {
            JOptionPane.showMessageDialog(null, "No Flights
Found");
        }
    } catch (Exception e) {
        e.printStackTrace();
    }
}

```

```

    }
} else {
    Random random = new Random();

    String aadhar = tfaadhar.getText();
    String name = tfname.getText();
    String nationality = tfnationality.getText();
    String flightname = labelfname.getText();
    String flightcode = labelfcode.getText();
    String src = source.getSelectedItem();
    String des = destination.getSelectedItem();
    String ddate = ((JTextField)
dcdate.getDateEditor().getUiComponent()).getText();

    try {
        Conn conn = new Conn();

        String query = "insert into reservation values('PNR-
"+random.nextInt(1000000)+"', 'TIC-"+random.nextInt(10000)+"',
""+aadhar+"', ""+name+"', ""+nationality+"', ""+flightname+"', ""+flightcode+"',
""+src+"', ""+des+"', ""+ddate+'");

        conn.s.executeUpdate(query);

        JOptionPane.showMessageDialog(null, "Ticket Booked
Successfully");

        setVisible(false);

```

```

        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}

```

```

public static void main(String[] args) {
    new BookFlight();
}
}

```

Cancel Flight:

```

package airlinemanagementsystem;

```

```

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

```

```

public class Cancel extends JFrame implements ActionListener{

```

```

    JTextField tfpnr;
    JLabel tfname, cancellationno, lblfcode, lbldateoftravel;
    JButton fetchButton, flight;

```

```

    public Cancel() {

```

```
getContentPane().setBackground(Color.WHITE);  
setLayout(null);
```

```
Random random = new Random();
```

```
JLabel heading = new JLabel("CANCELLATION");  
heading.setBounds(180, 20, 250, 35);  
heading.setFont(new Font("Tahoma", Font.PLAIN, 32));  
add(heading);
```

```
ImageIcon i1 = new  
ImageIcon(ClassLoader.getResource("airlinemanagementsystem/icons/c  
ancel.jpg"));
```

```
Image i2 = i1.getImage().getScaledInstance(250, 250,  
Image.SCALE_DEFAULT);
```

```
ImageIcon i3 = new ImageIcon(i2);  
JLabel image = new JLabel(i3);  
image.setBounds(470, 120, 250, 250);  
add(image);
```

```
JLabel lblaadhar = new JLabel("PNR Number");  
lblaadhar.setBounds(60, 80, 150, 25);  
lblaadhar.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblaadhar);
```

```
tfpnr = new JTextField();  
tfpnr.setBounds(220, 80, 150, 25);
```

```
add(tfpnr);
```

```
fetchButton = new JButton("Show Details");
```

```
fetchButton.setBackground(Color.BLACK);
```

```
fetchButton.setForeground(Color.WHITE);
```

```
fetchButton.setBounds(380, 80, 120, 25);
```

```
fetchButton.addActionListener(this);
```

```
add(fetchButton);
```

```
JLabel lblname = new JLabel("Name");
```

```
lblname.setBounds(60, 130, 150, 25);
```

```
lblname.setFont(new Font("Tahoma", Font.PLAIN, 16));
```

```
add(lblname);
```

```
tfname = new JLabel();
```

```
tfname.setBounds(220, 130, 150, 25);
```

```
add(tfname);
```

```
JLabel lblnationality = new JLabel("Cancellation No");
```

```
lblnationality.setBounds(60, 180, 150, 25);
```

```
lblnationality.setFont(new Font("Tahoma", Font.PLAIN, 16));
```

```
add(lblnationality);
```

```
cancellationno = new JLabel("" + random.nextInt(1000000));
```

```
cancellationno.setBounds(220, 180, 150, 25);
```

```
add(cancellationno);
```



```
JLabel lbladdress = new JLabel("Flight Code");  
lbladdress.setBounds(60, 230, 150, 25);  
lbladdress.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lbladdress);
```

```
lblfcode = new JLabel();  
lblfcode.setBounds(220, 230, 150, 25);  
add(lblfcode);
```

```
JLabel lblgender = new JLabel("Date");  
lblgender.setBounds(60, 280, 150, 25);  
lblgender.setFont(new Font("Tahoma", Font.PLAIN, 16));  
add(lblgender);
```

```
lbldateoftravel = new JLabel();  
lbldateoftravel.setBounds(220, 280, 150, 25);  
add(lbldateoftravel);
```

```
flight = new JButton("Cancel");  
flight.setBackground(Color.BLACK);  
flight.setForeground(Color.WHITE);  
flight.setBounds(220, 330, 120, 25);  
flight.addActionListener(this);  
add(flight);
```

```

setSize(800, 450);
setLocation(350, 150);
setVisible(true);
}

public void actionPerformed(ActionEvent ae) {
    if (ae.getSource() == fetchButton) {
        String pnr = tfpnr.getText();

        try {
            Conn conn = new Conn();

            String query = "select * from reservation where PNR = '"+pnr+"'";

            ResultSet rs = conn.s.executeQuery(query);

            if (rs.next()) {
                tfname.setText(rs.getString("name"));
                lblfcode.setText(rs.getString("flightcode"));
                lbldateoftravel.setText(rs.getString("ddate"));
            } else {
                JOptionPane.showMessageDialog(null, "Please enter correct
PNR");
            }
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}

```

```

    } else if (ae.getSource() == flight) {
        String name = tfname.getText();
        String pnr = tfpnr.getText();
        String cancelno = cancellationno.getText();
        String fcode = lblfcode.getText();
        String date = lbldateoftravel.getText();

        try {
            Conn conn = new Conn();

            String query = "insert into cancel values('"+pnr+"', '"+name+"',
            '"+cancelno+"', '"+fcode+"', '"+date+"')";

            conn.s.executeUpdate(query);
            conn.s.executeUpdate("delete from reservation where PNR =
            '"+pnr+"'");

            JOptionPane.showMessageDialog(null, "Ticket Cancelled");
            setVisible(false);

        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}

public static void main(String[] args) {

```

```
        new Cancel();
    }
}
```

Flight Information:

```
package airlinemanagementsystem;
```

```
import javax.swing.*;
```

```
import java.awt.*;
```

```
import java.sql.*;
```

```
import net.proteanit.sql.DbUtils;
```

```
public class FlightInfo extends JFrame{
```

```
    public FlightInfo() {
```

```
        getContentPane().setBackground(Color.WHITE);
```

```
        setLayout(null);
```

```
        JTable table = new JTable();
```

```
        try {
```

```
            Conn conn = new Conn();
```

```
            ResultSet rs = conn.s.executeQuery("select * from flight");
```

```
            table.setModel(DbUtils.resultSetToTableModel(rs));
```

```
        } catch(Exception e) {
```

```
        e.printStackTrace();  
    }
```

```
JScrollPane jsp = new JScrollPane(table);  
jsp.setBounds(0, 0, 800, 500);  
add(jsp);
```

```
setSize(800, 500);  
setLocation(400, 200);  
setVisible(true);  
}
```

```
public static void main(String[] args) {  
    new FlightInfo();  
}  
}
```

Home:

```
package airlinemanagementsystem;
```

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

```
public class Home extends JFrame implements ActionListener{  
  
    public Home() {
```

```
setLayout(null);
```

```
ImageIcon i1 = new  
ImageIcon(ClassLoader.getResource("airlinemanagementsystem/icons/f  
ront.jpg"));
```

```
JLabel image = new JLabel(i1);  
image.setBounds(0, 0, 1600, 800);  
add(image);
```

```
JLabel heading = new JLabel("AIR INDIA WELCOMES YOU");  
heading.setBounds(500, 40, 1000, 40);  
heading.setForeground(Color.BLUE);  
heading.setFont(new Font("Tahoma", Font.PLAIN, 36));  
image.add(heading);
```

```
JMenuBar menubar = new JMenuBar();  
setJMenuBar(menubar);
```

```
JMenu details = new JMenu("Details");  
menubar.add(details);
```

```
JMenuItem flightDetails = new JMenuItem("Flight Details");  
flightDetails.addActionListener(this);  
details.add(flightDetails);
```

```
JMenuItem customerDetails = new JMenuItem("Add Customer Details");  
customerDetails.addActionListener(this);
```

```
details.add(customerDetails);
```

```
JMenuItem bookFlight = new JMenuItem("Book Flight");  
bookFlight.addActionListener(this);  
details.add(bookFlight);
```

```
JMenuItem journeyDetails = new JMenuItem("Journey Details");  
journeyDetails.addActionListener(this);  
details.add(journeyDetails);
```

```
JMenuItem ticketCancellation = new JMenuItem("Cancel Ticket");  
ticketCancellation.addActionListener(this);  
details.add(ticketCancellation);
```

```
JMenu ticket = new JMenu("Ticket");  
menubar.add(ticket);
```

```
JMenuItem boardingPass = new JMenuItem("Boarding Pass");  
ticket.add(boardingPass);
```

```
setExtendedState(JFrame.MAXIMIZED_BOTH);  
setVisible(true);  
}
```

```
public void actionPerformed(ActionEvent ae) {
```

```
String text = ae.getActionCommand();
```

```
if (text.equals("Add Customer Details")) {  
    new AddCustomer();  
} else if (text.equals("Flight Details")) {  
    new FlightInfo();  
} else if (text.equals("Book Flight")) {  
    new BookFlight();  
} else if (text.equals("Journey Details")) {  
    new JourneyDetails();  
} else if (text.equals("Cancel Ticket")) {  
    new Cancel();  
}  
}
```

```
public static void main(String[] args) {  
    new Home();  
}  
}
```

Journey Details:

```
package airlinemanagementsystem;
```

```
import javax.swing.*;
```

```
import java.awt.*;
```

```
import java.sql.*;
```

```
import java.awt.event.*;
```



```
import net.proteanit.sql.DbUtils;
```

```
public class JourneyDetails extends JFrame implements ActionListener{
```

```
    JTable table;
```

```
    JTextField pnr;
```

```
    JButton show;
```

```
    public JourneyDetails() {
```

```
        getContentPane().setBackground(Color.WHITE);
```

```
        setLayout(null);
```

```
        JLabel lblpnr = new JLabel("PNR Details");
```

```
        lblpnr.setFont(new Font("Tahoma", Font.PLAIN, 16));
```

```
        lblpnr.setBounds(50, 50, 100, 25);
```

```
        add(lblpnr);
```

```
        pnr = new JTextField();
```

```
        pnr.setBounds(160, 50, 120, 25);
```

```
        add(pnr);
```

```
        show = new JButton("Show Details");
```

```
        show.setBackground(Color.BLACK);
```

```
        show.setForeground(Color.WHITE);
```

```
        show.setBounds(290, 50, 120, 25);
```

```
        show.addActionListener(this);
```

```
add(show);
```

```
table = new JTable();
```

```
JScrollPane jsp = new JScrollPane(table);
```

```
jsp.setBounds(0, 100, 800, 150);
```

```
jsp.setBackground(Color.WHITE);
```

```
add(jsp);
```

```
setSize(800, 600);
```

```
setLocation(400, 150);
```

```
setVisible(true);
```

```
}
```

```
public void actionPerformed(ActionEvent ae) {
```

```
    try {
```

```
        Conn conn = new Conn();
```

```
        ResultSet rs = conn.s.executeQuery("select * from reservation where  
PNR = '"+pnr.getText()+"'");
```

```
        if (!rs.isBeforeFirst()) {
```

```
            JOptionPane.showMessageDialog(null, "No Information Found");
```

```
            return;
```

```
        }
```

```
        table.setModel(DbUtils.resultSetToTableModel(rs));
```

```
    } catch (Exception e) {
```

```
        e.printStackTrace();
```

```

    }
}

public static void main(String[] args) {
    new JourneyDetails();
}
}

```

Login:

```

package airlinemanagementsystem;

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

public class Login extends JFrame implements ActionListener{
    JButton submit, reset, close;
    JTextField tfusername;
    JPasswordField tfpassword;

    public Login() {
        getContentPane().setBackground(Color.WHITE);
        setLayout(null);

        JLabel lblusername = new JLabel("Username");
        lblusername.setBounds(20, 20, 100, 20);
    }
}

```

```
add(lblusername);
```

```
tfusername = new JTextField();  
tfusername.setBounds(130, 20, 200, 20);  
add(tfusername);
```

```
JLabel lblpassword = new JLabel("Password");  
lblpassword.setBounds(20, 60, 100, 20);  
add(lblpassword);
```

```
tfpassword = new JPasswordField();  
tfpassword.setBounds(130, 60, 200, 20);  
add(tfpassword);
```

```
reset = new JButton("Reset");  
reset.setBounds(40, 120, 120, 20);  
reset.addActionListener(this);  
add(reset);
```

```
submit = new JButton("Submit");  
submit.setBounds(190, 120, 120, 20);  
submit.addActionListener(this);  
add(submit);
```

```
close = new JButton("Close");  
close.setBounds(120, 160, 120, 20);
```

```
close.addActionListener(this);  
add(close);
```

```
setSize(400, 250);  
setLocation(600, 250);  
setVisible(true);  
}
```

```
public void actionPerformed(ActionEvent ae) {  
    if (ae.getSource() == submit) {  
        String username = tfusername.getText();  
        String password = tfpassword.getText();  
  
        try {  
            Conn c = new Conn();  
  
            String query = "select * from login where username = '"+username+"'"  
and password = '"+password+"'";  
  
            ResultSet rs = c.s.executeQuery(query);  
  
            if (rs.next()) {  
                new Home();  
                setVisible(false);  
            } else {  
                JOptionPane.showMessageDialog(null, "Invalid Username or  
Password");  
            }  
        }  
    }  
}
```

```
        setVisible(false);
    }
} catch (Exception e) {
    e.printStackTrace();
}
} else if (ae.getSource() == close) {
    setVisible(false);
} else if (ae.getSource() == reset) {
    tfusername.setText("");
    tfpassword.setText("");
}
}

public static void main(String[] args) {
    new Login();
}
}
```