National University of Computer and Emerging Sciences

Object Oriented Programming (OOP)

““Deliverable {3} – {Project}”

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Section: G
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MARKS:

_____

REMARKS:

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TEACHERS SIGNATURE:

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Project Information

Following section contains information about the project

Firstly, I created user class and called the variables there and made their constructor after that I extended passenger class and admin class from user class and inheritance is used there in both of these classes. Both the classes i.e passenger class and admin class there constructors are made.

After that passenger register JFrame is made and there the conditions are applied if any of the text field is left empty it will display message "Can't leave the field empty" in front of that text also if cnic text field is not up to 13 digits it will display message "Format not followed" in addition to it if user enter password that is shorter than 8 digit or longer than 15 digit it will display message "format not followed. Else will execute and inputs will be taken from the user which should not satisfy the above conditions and after that user will will be taken to the Passenger login JFrame as passenger object is called here and composition is used on the signup button as the object is made

Then Passenger menu JFrame is made and composition is used on the Booking button, Main Menu button and back button.

Then passenger login JFrame is made and composition a type of association is used here as user click on the Login button he will be taken to the Passenger Menu JFrame.
When the text that user entered in the UserName field as well as the text that user entered in the password field of Sign up JFrame matches, user will be taken to the Passenger menu JFrame. But if it does not matches else condition will execute and invalid entry message will be displayed.
Also Composition is used when user click on the Sign up button which is present on the passenger login JFrame and the passenger will be taken to the Passenger Register JFrame

After that passenger local flight JFrame is made and Array List of flights is created and for each loop is used here to store the flights in the list and when user click on any flight, message will be shown to him that his flight is booked also price of the ticket will be shown to the passenger when he select his flight and when passenger click on any flight and then click on the cancel button his flight will be cancelled

Then Passenger International flight JFrame is made same as the passenger local flight. After that Passenger booking JFrame is made and omposition is used here as user click on the Local button he will be taken to the Passenger Local JFrame also Composition is used when user click on the International button he will be taken to the Passenger International flight JFrame.

Menu JFrame is made here array list of passenger is created and Composition is used here as user click on the Admin Panel button he will be taken to the Admin Login JFrame also Composition is used here as user click on the Passenger Panel button he will be taken to the Passenger Login JFrame.

International flights class is created and parameterized constructor of International flights class is made also flights class ic created and parameterized constructor of flights class is made

Admin menu JFrame is made When user click on the add flight button he will be taken to the admin add flight JFrame. Then admin login JFrame is made here Array list of admin username and admin password is created When user click on the login button he provides his input in the username and password text field and that is stored in username and password. When admin username and admin password matches i.e kamil and 12345678 to the text that user entered in the username and password text field he will then be taken to the admin menu JFrame else message will be displayed "invalid credentials
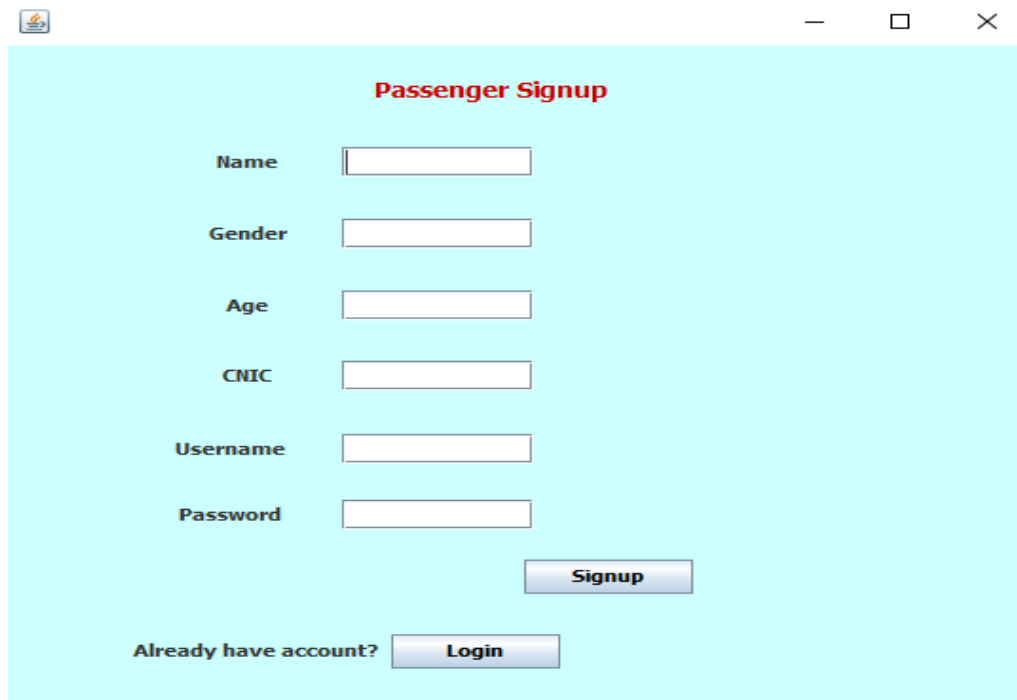
Admin local Flight JFrame is made and Array list of flights is created and for each loop is used here and it store the flights in the list. As admin select any field and then click on the remove button that flight will be removed. When admin click on the edit button he can edit the flight details. When admin click on the add button he can add new flights. As user click on the back button he will be taken to the admin add flight JFrame. Then admin international flight is also made like this but here international flight Array List is made.

Admin Add International entries JFrame is made as admin click on the add button the information will be stored in the Admin international flight. When admin will click on the view button he will be taken to the admin international JFrame and all the information that admin had added will be displayed there. Then Admin add entries JFrame is also made like admin add indernational entries

Lastly admin add flight JFrame is made here when user click on the local flight button he will be taken to the admin local flight JFrame. As user click on the International flight button he will be taken to the admin International flight JFrame.

This is the interface of the menu screen where two button are given i.e admin panel and passenger panel.

When user click on the passenger signup button the following screen will open in front of the user.

Passenger Signup

Name		Can't leave the field empty
Gender	Male	
Age	19	
CNIC	611028394826	
Username	kamil	
Password	••••••••••	

Signup

Already have account? **Login**

When any of the field is left empty it will display the message as can't leave the field empty as you see in the pic that I left the name field empty, and it displays that message.

When cnic is not 13-digit number it will display the message as format not followed.

When passenger enter the password that is smaller than 8 digit and greater than 16 digit it will display message as format not followed.
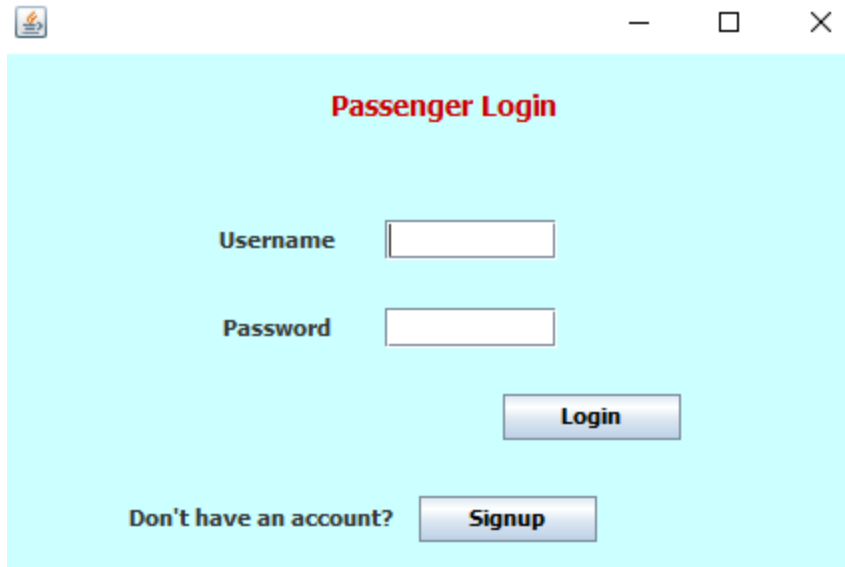
When user enter the signup correctly he will be taken to the passenger login page.
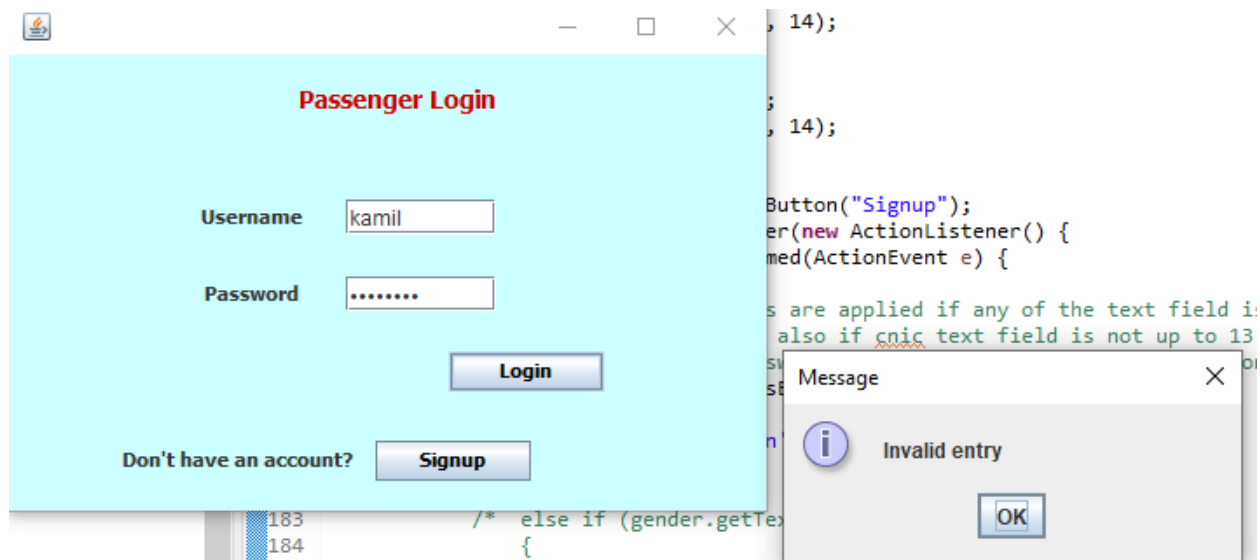
When passenger enter the username and password that did not match the signup ones it will display as invalid entry.
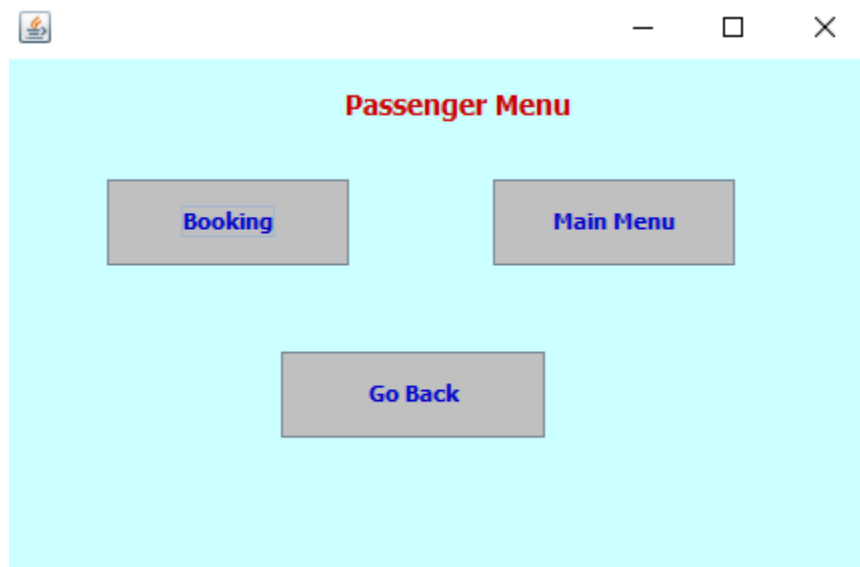
When passenger login successfully he will be on passenger menu here he is given three options booking, main menu and go back

By clicking on go back he will come back on the login screen.

By clicking on the main menu option of the passenger menu he will come on the new Pak airline flight system menu.
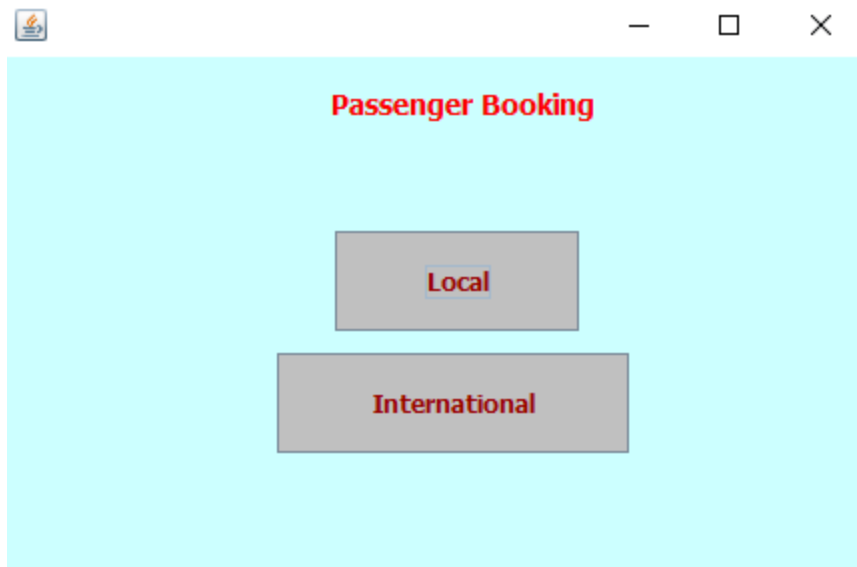
By clicking on the booking option he will be on passenger booking JFrame here two options are given to him local and international.
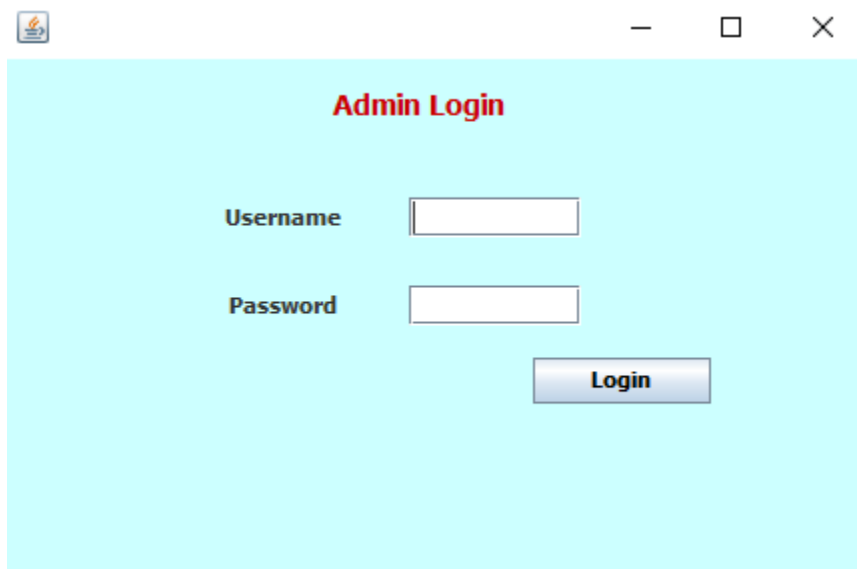
When user click on the main menu option of the passenger menu JFrame and after that he select admin panel then he has to enter his username and password.
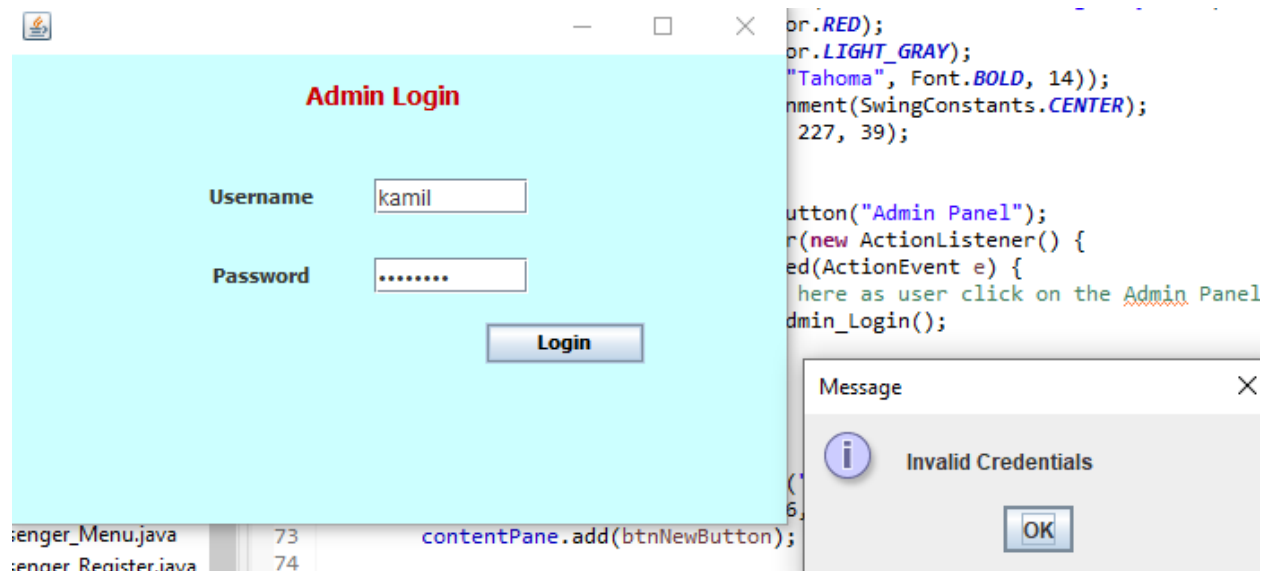
When user do not enter the username or password as it was set for the admin invalid credentials message will be shown
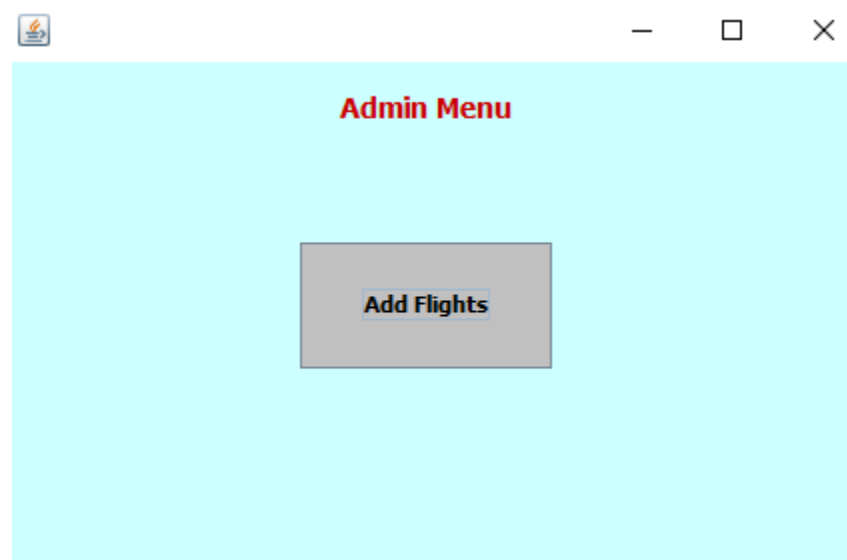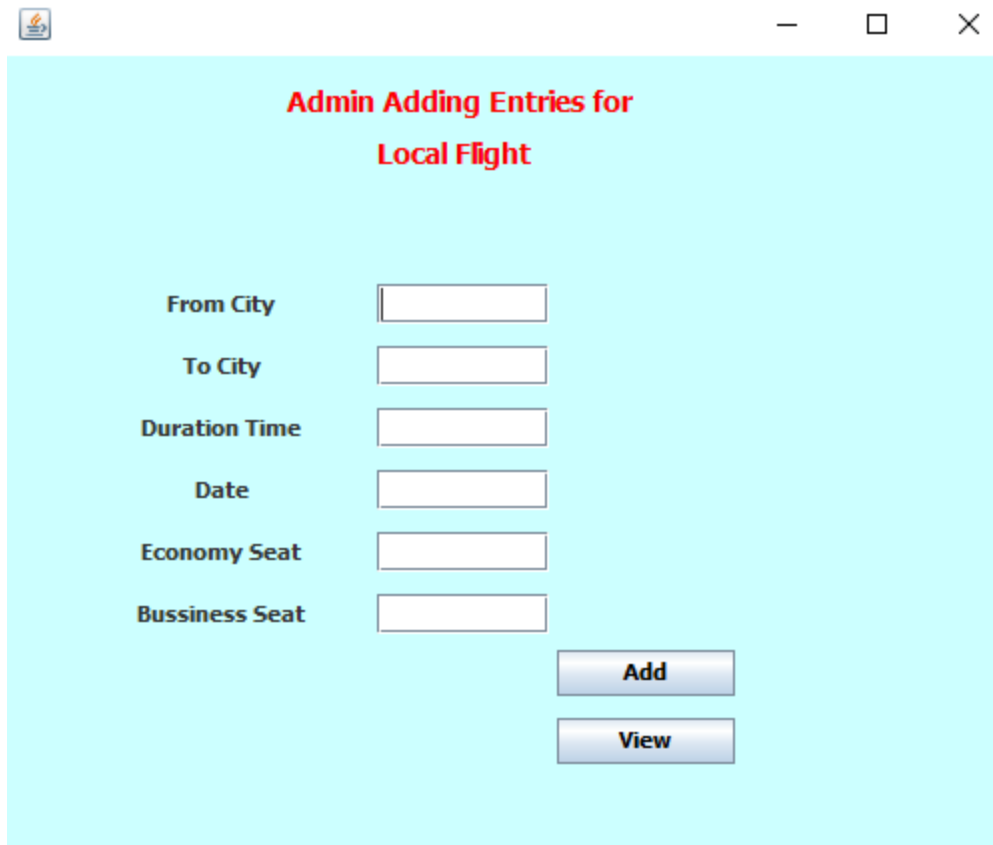
When admin successfully login in to his account he will be on admin menu option here add flights option is given to him.
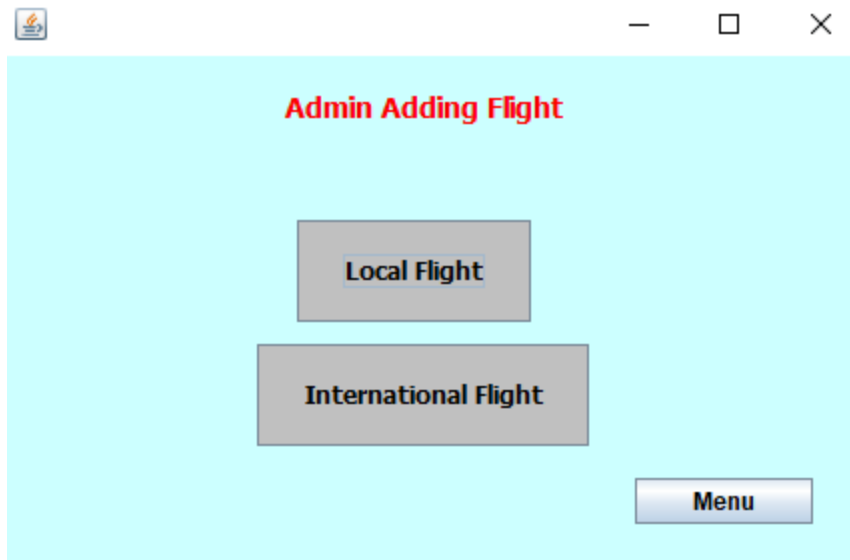
When admin click on the add flight option then two option will be shown to him i.e local flight and international flight.
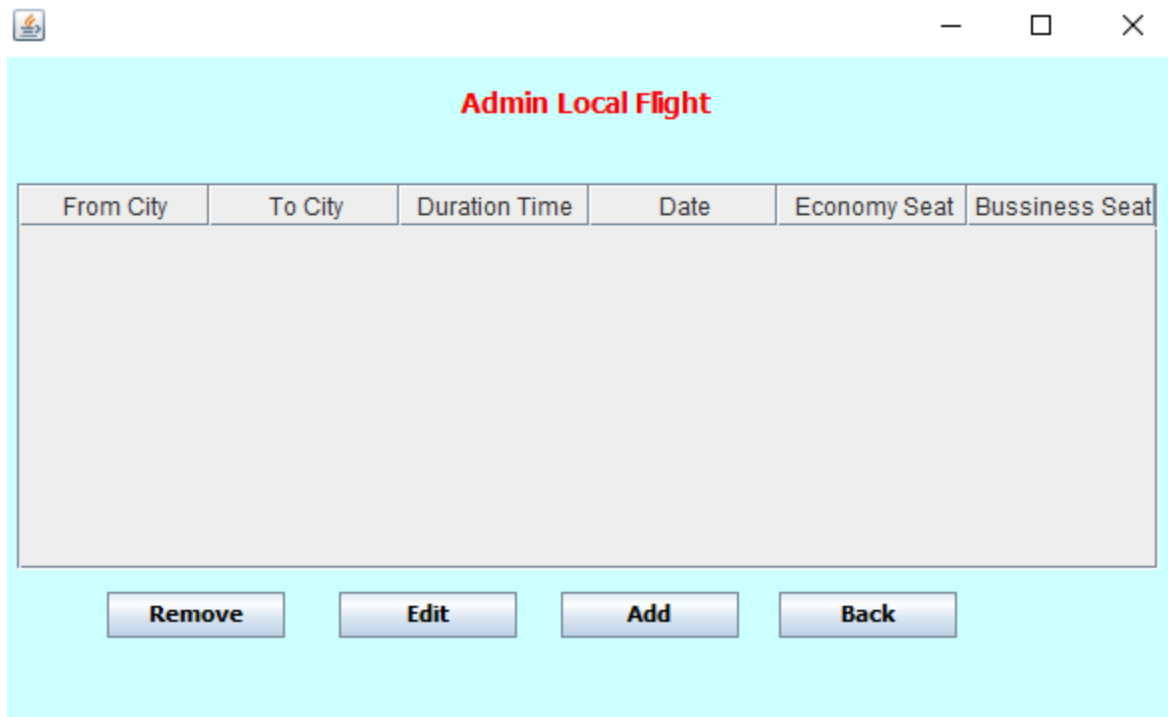
When admin click on the local flight the following interface will be open in front of him

**Admin Adding Entries for
Local Flight**

From City	
To City	
Duration Time	
Date	
Economy Seat	
Bussiness Seat	

Add

View

When he will click on the add button of local flight the following JFrame will open.

Admin Local Flight

From City	To City	Duration Time	Date	Economy Seat	Bussiness Seat
Rawalpidndi	Islamabad	1	2/12/2021	1	
Peshawar	Karachi	2	7/2/2021	1	
Islamabad	Quetta	1	13/7/2021		1
Lahore	Peshawar	2	21/12/2021		1

Remove   Edit   Add   Back

When admin will add the flights there and click on view it be shown here.

Admin Local Flight

From City	To City	Duration Time	Date	Economy Seat	Bussiness Seat
Rawalpidndi	Islamabad	1	2/12/2021	1	
Peshawar	Karachi	2	7/2/2021	1	
Islamabad	Quetta	1	13/7/2021		1
Lahore	Peshawar	2	21/12/2021		1
Quetta	Karachi	2	1/10/2021		1

Remove   Edit   Add   Back

When admin click on the edit button he can add further flights.

Admin Local Flight

From City	To City	Duration Time	Date	Economy Seat	Bussiness Seat
Rawalpidndi	Islamabad	1	2/12/2021	1	
Peshawar	Karachi	2	7/2/2021	1	
Islamabad	Quetta	1	13/7/2021		1
Lahore	Peshawar	2	21/12/2021		1
Quetta	Karachi	2	1/10/2021		1

Remove   **Edit**   **Add**   **Back**

When admin select the flight and click on remove it will be removed.

Admin Local Flight

From City	To City	Duration Time	Date	Economy Seat	Bussiness Seat
Rawalpidndi	Islamabad	1	2/12/2021	1	
Peshawar	Karachi	2	7/2/2021	1	
Islamabad	Quetta	1	13/7/2021		1
Lahore	Peshawar	2	21/12/2021		1

Remove   **Edit**   **Add**   **Back**

Flight removed
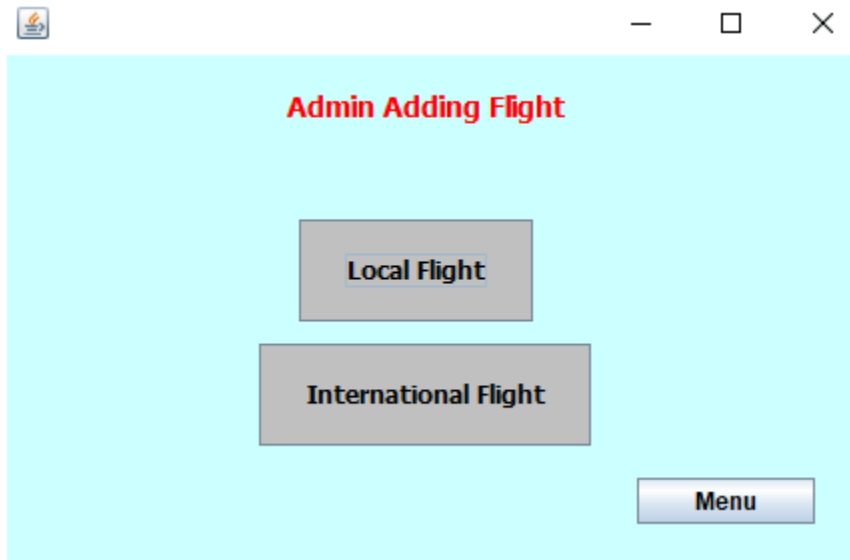
When admin clicks on the back button it will bring him to this interface. And when he clicks on the international flight the same thing will happen there.
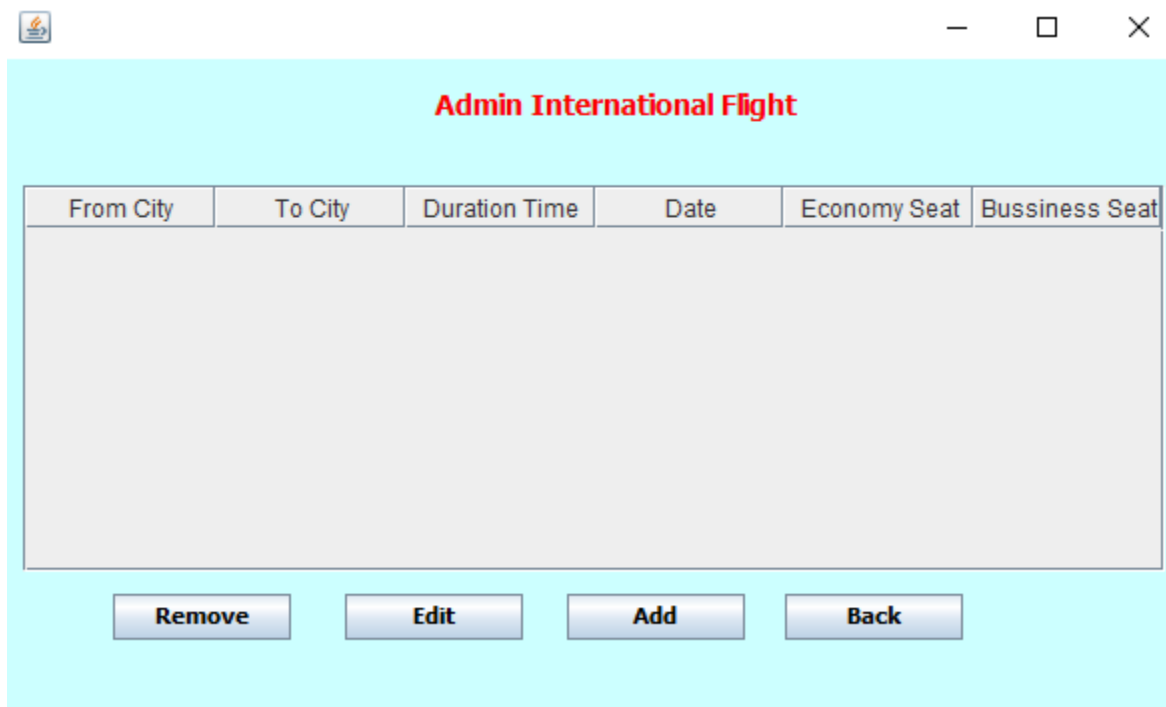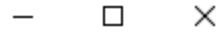
Admin Adding Entries for International Flight

From City	Quetta
To City	Lahore
Duration Time	2
Date	14/7/2021
Economy Seat	1
Bussiness Seat	1

Add

View

Admin International Flight

From City	To City	Duration Time	Date	Economy Seat	Bussiness Seat
Islamabad	Karachi	1	2/10/2021	1	
Karachi	Quetta	2	21/1/2021		1
Quetta	Lahore	2	14/7/2021	1	1

Remove | Edit | Add | Back

Admin International Flight

From City	To City	Duration Time	Date	Economy Seat	Bussiness Sea
Islamabad	Karachi	1	2/10/2021	1	
Karachi	Quetta	2	21/1/2021		1
Quetta	Lahore	2	14/7/2021	1	1
Karachi	Lahore	3	10/10/2021	2	

Remove   **Edit**   **Add**   **Back**

Admin International Flight

From City	To City	Duration Time	Date	Economy Seat	Bussiness Seat
Islamabad	Karachi	1	2/10/2021	1	
Karachi	Quetta	2	21/1/2021		1
Quetta	Lahore	2	14/7/2021	1	1
Karachi	Lahore	3	10/10/2021	2	

Remove   **Edit**   **Add**   **Back**

Admin International Flight

From City	To City	Duration Time	Date	Economy Seat	Bussiness Seat
Islamabad	Karachi	1	2/10/2021	1	
Karachi	Quetta	2	21/1/2021		1
Quetta	Lahore	2	14/7/2021	1	1

Remove | Edit | Add | Back

Admin Adding Flight

Local Flight

International Flight

Menu
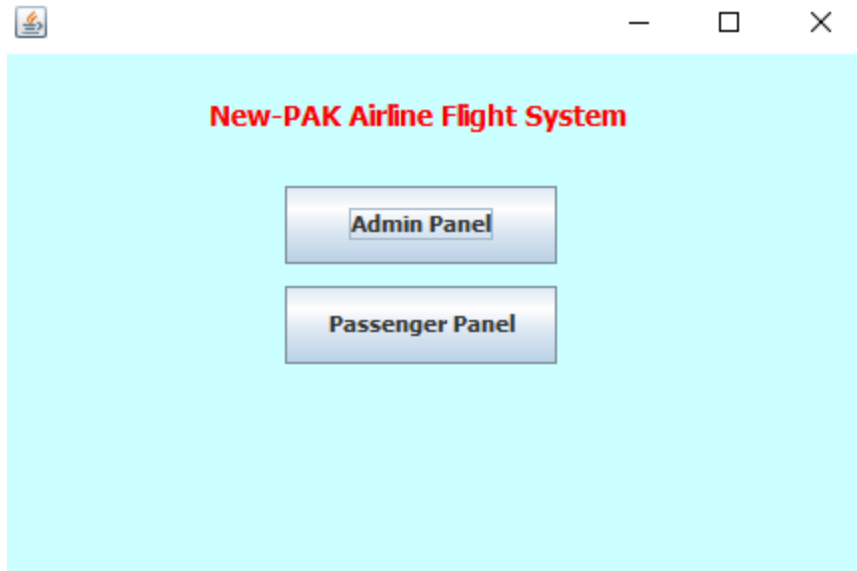
When user will click on the menu option it will bring him to the menu interface.
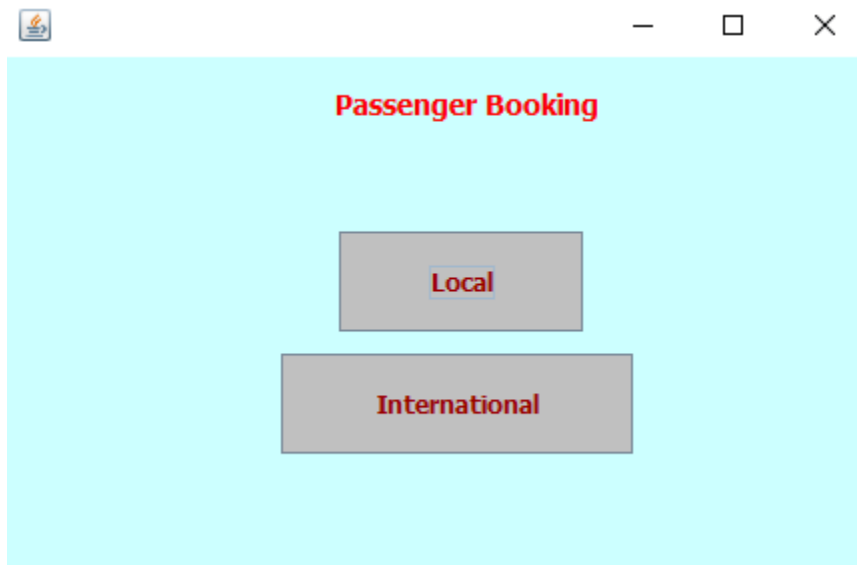
When passenger will login in to his account he will see passenger booking where two options are given to him local and international.

Passenger Local Flight

From City	To City	Duration_Time	Date	Economy Seat	Bussiness Seat
Karachi	Islamabad	1	10/12/2021	1	
Islamabad	Lahore	2	7/12/2021	1	
Quetta	Peshawar	3	17/10/2021		1

Book   Payment   Cancel   Back

When passenger will click on local he will be on local flight and the available flights will be shown to him where he can book check payment and cancel the booked flight or go back.

Passenger Local Flight

From City	To City	Duration_Time	Date	Economy Seat	Bussiness Seat
Karachi	Islamabad	1	10/12/2021	1	
Islamabad	Lahore				
Quetta	Peshawar				1

Message ✕

ⓘ Flight Booked

OK

Book   Payment   Cancel   Back

When passenger select flight and click on book his flight will be booked.
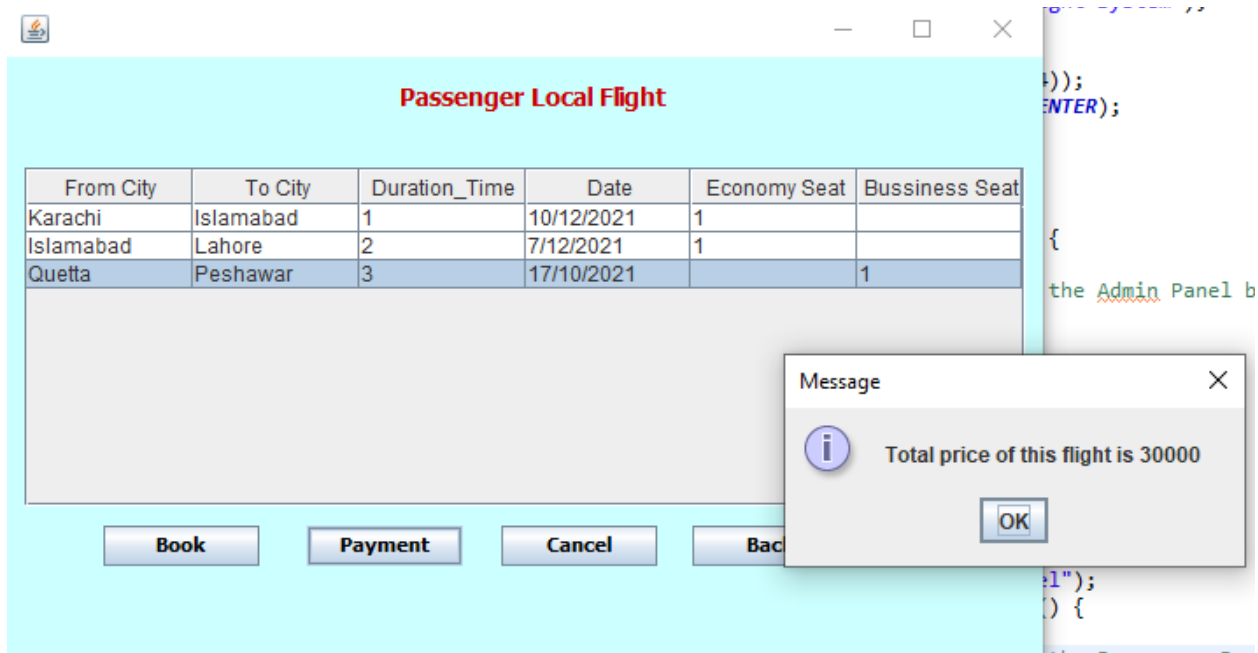
When he click on the payment option the price will be shown to him.
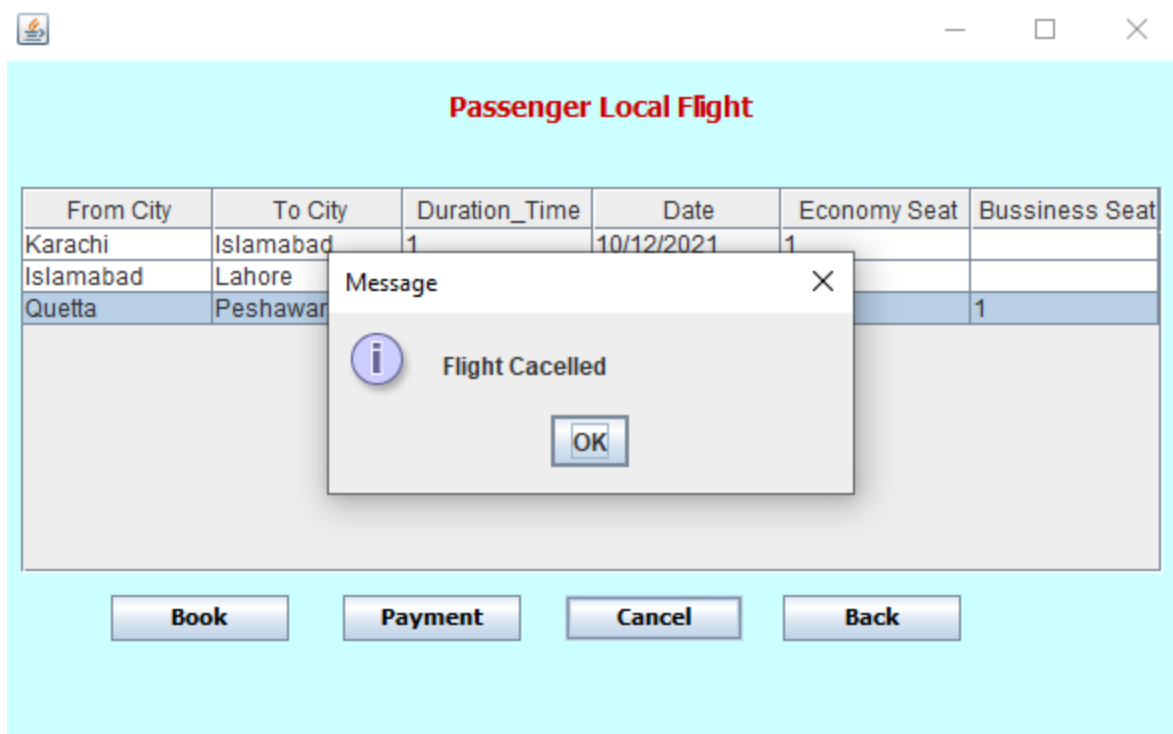
When he click on the cancel button the flight will be cancelled.
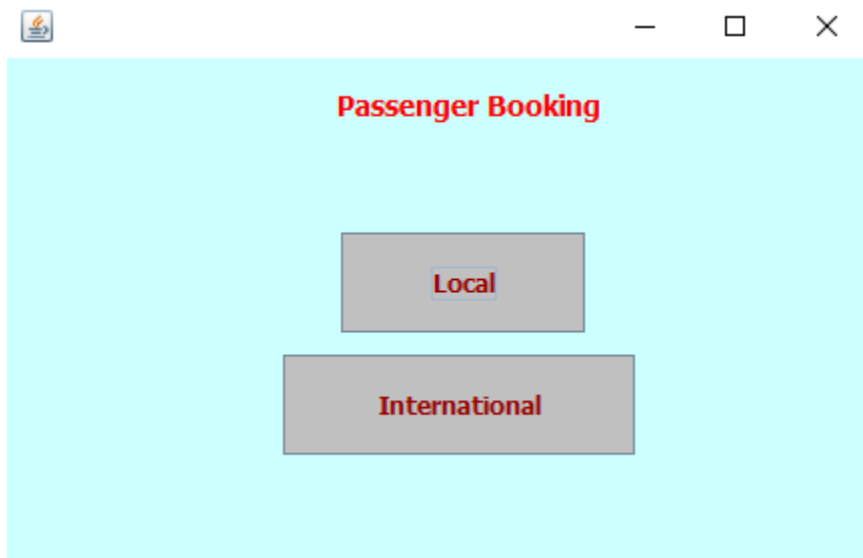
When he click on the back option he will come back on the passenger booking frame and when he will select the international option there that procedure will be same as local flight.

Passenger International Flight

From City	To City	Duration_Time	Date	Economy Seat	Bussiness Seat
Islamabad	Quetta	2	12/9/2021	1	
Quetta	Lahore				1
Lahore	Peshawar				

Message

(i) **Flight Booked**

OK

[Book] [Payment] [Cancel] [Back]

Passenger International Flight

From City	To City	Duration_Time	Date	Economy Seat	Bussiness Seat
Islamabad	Quetta	2	12/9/2021	1	
Quetta	Lahore	2	19/7/2021		1
Lahore	Peshawar	3	12/8/2021	1	

Message

(i) **Total price of this flight is 40000**

OK

[Book] [Payment] [Cancel] [Bac]
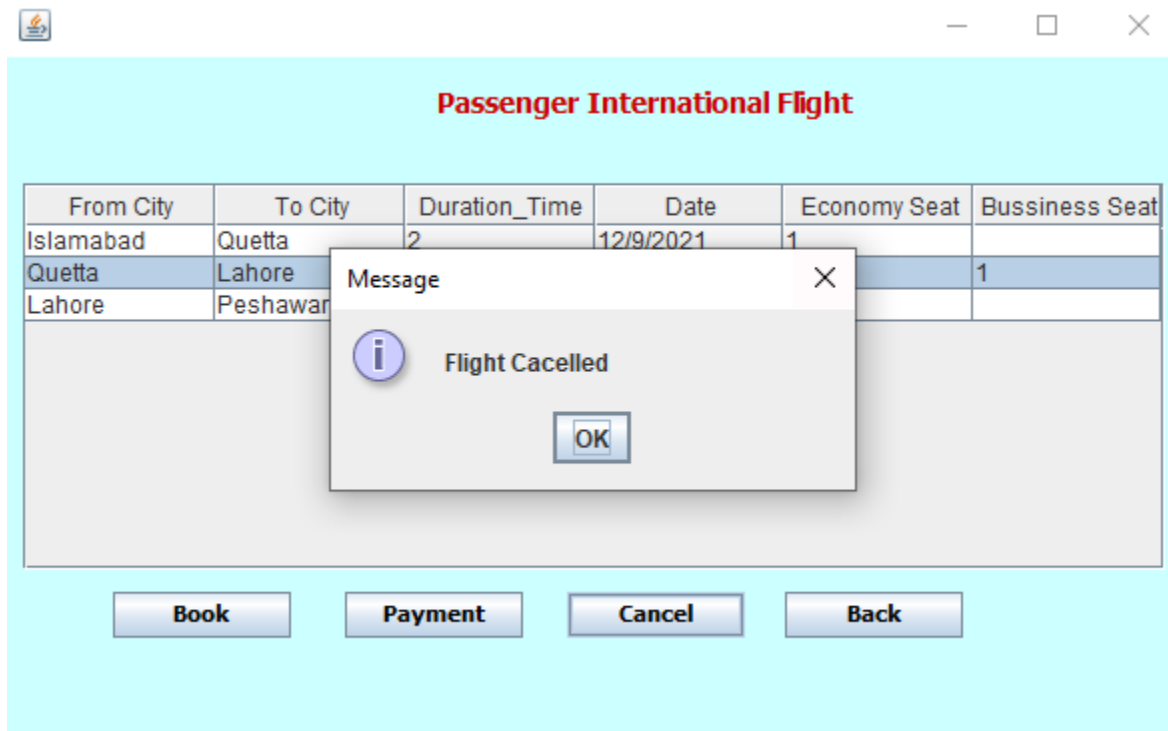
Project:

package project;

//here user class is created

```java
public class User {

        //Following are the variables of user class
        protected String name;
        protected String gender;
        protected String age;
        protected String cnic;
        protected String username;
        protected String password;

        //Creating parameterized constructor of user class
        public User(String name, String gender, String age, String cnic, String username, String
password) {
                this.name = name;
                this.gender = gender;
                this.age = age;
                this.cnic = cnic;
                this.username = username;
                this.password = password;
        }

}


package project;

public class Passenger extends User{

        /*Here inheritance is used as we use extends keyword to extend the functionality
        of the parent class i.e User to the sub class i.e Passenger*/
        public Passenger(String name, String gender, String age, String cnic, String username,
String password) {
                super(name, gender, age, cnic, username, password);

        }

}


package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
```

```java
import javax.swing.border.EmptyBorder;
import javax.swing.JLabel;
import java.awt.Font;
import javax.swing.SwingConstants;
import javax.swing.JTextField;
import javax.swing.JMenuBar;
import javax.swing.JMenuItem;
import java.awt.Color;
import javax.swing.JButton;
import javax.swing.JPasswordField;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JComboBox;
import javax.swing.DefaultComboBoxModel;

public class Passenger_Register extends JFrame {

        private JPanel contentPane;
        private JTextField name;
        private JTextField gender;
        private JTextField age;
        private JTextField cnic;
        private JTextField username;
        private JPasswordField password;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Passenger_Register frame = new Passenger_Register();
                                        frame.setVisible(true);
                                } catch (Exception e) {
                                        e.printStackTrace();
                                }
                        }
                });
        }

        /**
         * Create the frame.
         */
        public Passenger_Register() {
                setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```java
setBounds(100, 100, 557, 486);
contentPane = new JPanel();
contentPane.setBackground(new Color(204, 255, 255));
contentPane.setForeground(Color.GRAY);
contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
setContentPane(contentPane);
contentPane.setLayout(null);

JLabel lblNewLabel = new JLabel("Passenger Signup");
lblNewLabel.setBackground(new Color(192, 192, 192));
lblNewLabel.setForeground(new Color(204, 0, 0));
lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
lblNewLabel.setBounds(188, 11, 136, 36);
contentPane.add(lblNewLabel);

JLabel lblNewLabel_1 = new JLabel("Name");
lblNewLabel_1.setBackground(Color.BLACK);
lblNewLabel_1.setFont(new Font("Tahoma", Font.BOLD, 11));
lblNewLabel_1.setHorizontalAlignment(SwingConstants.CENTER);
lblNewLabel_1.setBounds(105, 71, 46, 14);
contentPane.add(lblNewLabel_1);

name = new JTextField();
name.setBounds(178, 68, 101, 20);
contentPane.add(name);
name.setColumns(10);

JLabel lblNewLabel_2 = new JLabel("Gender");
lblNewLabel_2.setFont(new Font("Tahoma", Font.BOLD, 11));
lblNewLabel_2.setHorizontalAlignment(SwingConstants.CENTER);
lblNewLabel_2.setBounds(105, 119, 46, 14);
contentPane.add(lblNewLabel_2);

gender = new JTextField();
gender.setBounds(178, 116, 101, 20);
contentPane.add(gender);
gender.setColumns(10);

JLabel lblNewLabel_3 = new JLabel("Age");
lblNewLabel_3.setFont(new Font("Tahoma", Font.BOLD, 11));
lblNewLabel_3.setHorizontalAlignment(SwingConstants.CENTER);
lblNewLabel_3.setBounds(105, 167, 46, 14);
contentPane.add(lblNewLabel_3);

age = new JTextField();
```

```
age.setBounds(178, 164, 101, 20);
contentPane.add(age);
age.setColumns(10);

JLabel lblNewLabel_4 = new JLabel("CNIC");
lblNewLabel_4.setFont(new Font("Tahoma", Font.BOLD, 11));
lblNewLabel_4.setHorizontalAlignment(SwingConstants.CENTER);
lblNewLabel_4.setBounds(105, 214, 46, 14);
contentPane.add(lblNewLabel_4);

cnic = new JTextField();
cnic.setBounds(178, 211, 101, 20);
contentPane.add(cnic);
cnic.setColumns(10);

JLabel lblNewLabel_5 = new JLabel("Username");
lblNewLabel_5.setFont(new Font("Tahoma", Font.BOLD, 11));
lblNewLabel_5.setHorizontalAlignment(SwingConstants.CENTER);
lblNewLabel_5.setBounds(87, 263, 64, 14);
contentPane.add(lblNewLabel_5);

username = new JTextField();
username.setBounds(178, 260, 101, 20);
contentPane.add(username);
username.setColumns(10);

gender = new JTextField();
gender.setBounds(178, 116, 101, 20);
contentPane.add(gender);
gender.setColumns(10);

JLabel lblNewLabel_6 = new JLabel("Password");
lblNewLabel_6.setFont(new Font("Tahoma", Font.BOLD, 11));
lblNewLabel_6.setHorizontalAlignment(SwingConstants.CENTER);
lblNewLabel_6.setBounds(87, 307, 64, 14);
contentPane.add(lblNewLabel_6);

JLabel lblNewLabel_7 = new JLabel("Already have account?");
lblNewLabel_7.setFont(new Font("Tahoma", Font.BOLD, 11));
lblNewLabel_7.setHorizontalAlignment(SwingConstants.CENTER);
lblNewLabel_7.setBounds(60, 398, 145, 14);
contentPane.add(lblNewLabel_7);

password = new JPasswordField();
password.setBounds(178, 304, 101, 20);
contentPane.add(password);
```

```java
JLabel lbl1 = new JLabel("");
lbl1.setBounds(289, 71, 177, 14);
contentPane.add(lbl1);

JLabel lbl2 = new JLabel("");
lbl2.setBounds(289, 119, 177, 14);
contentPane.add(lbl2);

JLabel lbl3 = new JLabel("");
lbl3.setBounds(289, 167, 177, 14);
contentPane.add(lbl3);

JLabel lbl4 = new JLabel("");
lbl4.setBounds(289, 214, 177, 14);
contentPane.add(lbl4);

JLabel lbl5 = new JLabel("");
lbl5.setBounds(289, 263, 177, 14);
contentPane.add(lbl5);

JLabel lbl6 = new JLabel("");
lbl6.setBounds(289, 307, 177, 14);
contentPane.add(lbl6);

JButton btnNewButton = new JButton("Signup");
btnNewButton.addActionListener(new ActionListener() {
        public void actionPerformed(ActionEvent e) {

                /*Here the conditions are applied if any of the text field is left
empty it will display message "Can't leave the field empty"
                infront of that text also if cnic text field is not up to 13 digits it will
display message "Format not followed" in addition to
                it if user enter password that is shorter than 8 digit or longer than
15 digit it will display message "format not followed"*/
                if (name.getText().isEmpty())
                {
                        lbl1.setText("Can't leave the field empty");
                }

                else if (age.getText().isEmpty())
                {
                        lbl3.setText("Can't leave the field empty");
                }

                else if (cnic.getText().isEmpty())
```

```java
                                        {
                                                lbl4.setText("Can't leave the field empty");
                                        }

                                        else if (cnic.getText().length()==13==false)
                        {
                lbl4.setText("Format not followed");
                 }

                                        else if (username.getText().isEmpty())
                                        {
                                                lbl5.setText("Can't leave the field empty");
                                        }

                                        else if (password.getText().isEmpty())
                                        {
                                                lbl6.setText("Can't leave the field empty");
                                        }

                                        else if
((password.getText().length()>7&&password.getText().length()<16)==false)
                                        {
                                                lbl6.setText("Format not followed");
                                        }

                                        else
                                        {

                                        /*Else will execute and inputs will be taken from the user which
should not satisfy the above conditions and after that user will
                                        will be taken to the Passenger login JFrame as passenger object is
called here and composition is used on the signup button*/
                                        Passenger obj=new
Passenger(name.getText(),gender.getText(),age.getText(),cnic.getText(),username.getText(),pass
word.getText());
                                        Menu.validation.add(obj); //When user will provide his input in the
text fields his inputs will be stored in the validation by obj.

                                        Passenger_Login obj1=new Passenger_Login ();
                                        obj1.setVisible(true); //We will see the Passenger Login JFrame as
object of passenger login is setVisible(true)
                                        dispose(); //Passenger Login JFrame will be disposed after that
                                        }
                        }
                });
                btnNewButton.setForeground(Color.BLACK);
```

```java
            btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
            btnNewButton.setBounds(274, 344, 89, 23);
            contentPane.add(btnNewButton);

            JButton btnNewButton_1 = new JButton("Login");
            btnNewButton_1.setForeground(Color.BLACK);
            btnNewButton_1.addActionListener(new ActionListener() {
                    public void actionPerformed(ActionEvent e) {
                            //Composition is used on the login button which is present on the
passenger signup frame when user click on the login button
                            //he will be taken to the login JFrame.
                            Passenger_Login obj=new Passenger_Login();
                            obj.setVisible(true); //We will see the Passenger Login JFrame as
object of passenger login is setVisible(true)
                            dispose(); //Passenger Login JFrame will be disposed after that

                    }

            });
            btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 11));
            btnNewButton_1.setBounds(204, 394, 89, 23);
            contentPane.add(btnNewButton_1);

        }
}


package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import java.awt.Font;
import java.awt.Color;
import javax.swing.JLabel;
import javax.swing.SwingConstants;

public class Passenger_Menu extends JFrame {
```

```java
        private JPanel contentPane;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Passenger_Menu frame = new Passenger_Menu();
                                        frame.setVisible(true);
                                } catch (Exception e) {
                                        e.printStackTrace();
                                }
                        }
                });
        }

        /**
         * Create the frame.
         */
        public Passenger_Menu() {
                setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                setBounds(100, 100, 450, 300);
                contentPane = new JPanel();
                contentPane.setBackground(new Color(204, 255, 255));
                contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
                setContentPane(contentPane);
                contentPane.setLayout(null);

                JButton btnNewButton = new JButton("Booking");
                btnNewButton.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //Composition is used here as user click on the Booking button he
will be taken to the Passenger Booking JFrame.
                                Passenger_Booking obj=new Passenger_Booking();
                                obj.setVisible(true); //We will see the Passenger Booking JFrame
as object of passenger login is setVisible(true)
                                dispose();

                        }
                });
                btnNewButton.setBackground(Color.LIGHT_GRAY);
                btnNewButton.setForeground(new Color(0, 0, 204));
                btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton.setBounds(52, 60, 121, 43);
```

```java
                contentPane.add(btnNewButton);

                JButton btnNewButton_2 = new JButton("Main Menu");
                btnNewButton_2.setForeground(new Color(0, 0, 204));
                btnNewButton_2.setBackground(Color.LIGHT_GRAY);
                btnNewButton_2.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_2.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //Composition a type of association is used here as user click on
the Main Menu button he will be taken to the Menu JFrame.
                                Menu obj=new Menu();
                                obj.setVisible(true); //We will see the Menu JFrame as object of
passenger login is setVisible(true)
                                dispose();
                        }
                });
                btnNewButton_2.setBounds(245, 60, 121, 43);
                contentPane.add(btnNewButton_2);

                JButton btnNewButton_3 = new JButton("Go Back");
                btnNewButton_3.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //Composition is used here as user click on the Go back button he
will be taken to the Passenger Login JFrame.
                                Passenger_Login obj=new Passenger_Login();
                                obj.setVisible(true); //We will see the Passenger Login JFrame as
object of passenger login is setVisible(true)
                                dispose();
                        }
                });
                btnNewButton_3.setForeground(new Color(0, 0, 204));
                btnNewButton_3.setBackground(Color.LIGHT_GRAY);
                btnNewButton_3.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_3.setBounds(139, 146, 132, 43);
                contentPane.add(btnNewButton_3);

                JLabel lblNewLabel = new JLabel("Passenger Menu");
                lblNewLabel.setBackground(Color.WHITE);
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel.setForeground(new Color(204, 0, 0));
                lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel.setBounds(149, 11, 156, 22);
                contentPane.add(lblNewLabel);
        }
}
```

```java
package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
import javax.swing.SwingConstants;
import java.awt.Font;
import javax.swing.JTextField;
import javax.swing.JPasswordField;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import java.awt.Color;

public class Passenger_Login extends JFrame {

	private JPanel contentPane;
	private JTextField textField;
	private JPasswordField passwordField;

	/**
	 * Launch the application.
	 */
	public static void main(String[] args) {
		EventQueue.invokeLater(new Runnable() {
			public void run() {
				try {
					Passenger_Login frame = new Passenger_Login();
					frame.setVisible(true);
				} catch (Exception e) {
					e.printStackTrace();
				}
			}
		});
	}

	/**
	 * Create the frame.
	 */
	public Passenger_Login() {
```

```java
            setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
            setBounds(100, 100, 450, 300);
            contentPane = new JPanel();
            contentPane.setBackground(new Color(204, 255, 255));
            contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
            setContentPane(contentPane);
            contentPane.setLayout(null);

            JLabel lblNewLabel = new JLabel("Username");
            lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 11));
            lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
            lblNewLabel.setBounds(108, 86, 63, 14);
            contentPane.add(lblNewLabel);

            JLabel lblNewLabel_1 = new JLabel("Password");
            lblNewLabel_1.setFont(new Font("Tahoma", Font.BOLD, 11));
            lblNewLabel_1.setHorizontalAlignment(SwingConstants.CENTER);
            lblNewLabel_1.setBounds(108, 130, 63, 14);
            contentPane.add(lblNewLabel_1);

            textField = new JTextField();
            textField.setBounds(193, 83, 86, 20);
            contentPane.add(textField);
            textField.setColumns(10);

            passwordField = new JPasswordField();
            passwordField.setBounds(193, 127, 86, 20);
            contentPane.add(passwordField);

            JButton btnNewButton = new JButton("Login");
            btnNewButton.setForeground(Color.BLACK);
            btnNewButton.addActionListener(new ActionListener() {
                    public void actionPerformed(ActionEvent e) {
                            /*Composition a type of association is used here as user click on
the Login button he will be taken to the Passenger Menu JFrame.
                            When the text that user entered in the UserName field as well as
the text that user entered in the password field of Sign up JFrame
                            matches, user will be taken to the Passenger menu JFrame. But if it
does not matches else condition will execute and invalid entry.
                            message will be displayed */
                            if (Menu.validation.get(0).username.equals(textField.getText())) {
                                    if
(Menu.validation.get(0).password.equals(passwordField.getText())) {
                                            Passenger_Menu obj=new Passenger_Menu();
                                            obj.setVisible(true);
                                            dispose();
```

```java
                            }
                        }
                        else
                            JOptionPane.showMessageDialog(null, "Invalid entry");
                }
            });
            btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
            btnNewButton.setBounds(252, 170, 89, 23);
            contentPane.add(btnNewButton);

            JLabel lblNewLabel_2 = new JLabel("Don't have an account?");
            lblNewLabel_2.setFont(new Font("Tahoma", Font.BOLD, 11));
            lblNewLabel_2.setHorizontalAlignment(SwingConstants.CENTER);
            lblNewLabel_2.setBounds(62, 225, 138, 14);
            contentPane.add(lblNewLabel_2);

            JButton btnNewButton_1 = new JButton("Signup");
            btnNewButton_1.setForeground(Color.BLACK);
            btnNewButton_1.addActionListener(new ActionListener() {
                    public void actionPerformed(ActionEvent e) {
                            //Composition is used here when user click on the Sign up button
which is present on the passenger login JFrame
                            //he will be taken to the Passenger Register JFrame.
                            Passenger_Register obj=new Passenger_Register();
                            obj.setVisible(true);
                            dispose();
                    }
            });
            btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 11));
            btnNewButton_1.setBounds(210, 221, 89, 23);
            contentPane.add(btnNewButton_1);

            JLabel lblNewLabel_3 = new JLabel("Passenger Login");
            lblNewLabel_3.setHorizontalAlignment(SwingConstants.CENTER);
            lblNewLabel_3.setFont(new Font("Tahoma", Font.BOLD, 14));
            lblNewLabel_3.setForeground(new Color(204, 0, 0));
            lblNewLabel_3.setBounds(158, 11, 129, 29);
            contentPane.add(lblNewLabel_3);
        }

}


package project;

import java.awt.BorderLayout;
```

```java
import java.awt.EventQueue;
import java.util.ArrayList;

import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.table.DefaultTableModel;
import javax.swing.JScrollPane;
import javax.swing.JTable;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import java.awt.Font;
import java.awt.Color;
import javax.swing.JLabel;
import javax.swing.SwingConstants;

public class Passenger_Local_Flight extends JFrame {

        private JPanel contentPane;
        //Array List of flights is created
        static ArrayList<Flights>list=new ArrayList<Flights>();
        private JTable table;
        private JButton btnNewButton;
        private JButton btnNewButton_1;
        private JButton btnNewButton_2;
        private JButton btnNewButton_3;
        private JLabel lblNewLabel;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Passenger_Local_Flight frame = new
Passenger_Local_Flight();

                                        frame.setVisible(true);
                                } catch (Exception e) {
                                        e.printStackTrace();
                                }
                        }
                });
        }
```

```
        /**
         * Create the frame.
         */
        public Passenger_Local_Flight() {
                setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                setBounds(100, 100, 607, 381);
                contentPane = new JPanel();
                contentPane.setBackground(new Color(204, 255, 255));
                contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
                setContentPane(contentPane);
                contentPane.setLayout(null);

                //Here following attributes will come in each of the column in the table
                String[]column= {"From City","To City","Duration_Time","Date","Economy
Seat","Bussiness Seat"};

                DefaultTableModel Ltable=new DefaultTableModel(column,0);

                //for each loop is used here and it store the flights in the list
                for(Flights object: Admin_Local_Flight.list)
                {
                        Object[] input=
{object.getFrom_City(),object.getTo_City(),object.getDuration_Time(),

        object.getDate(),object.getEconomy_Seat(),object.getBussiness_Seat(),};
                        Ltable.addRow(input);
                }

                JScrollPane scrollPane = new JScrollPane();
                scrollPane.setBounds(10, 63, 571, 193);
                contentPane.add(scrollPane);
                table = new JTable(Ltable);
                scrollPane.setViewportView(table);

                btnNewButton = new JButton("Book");
                btnNewButton.setForeground(Color.BLACK);
                btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {

                        //As user click on any flight message will be shown to him that his flight
is booked
                                int line=table.getSelectedRow();
                                JOptionPane.showMessageDialog(scrollPane, "Flight Booked");
                        }
```

```java
                    });
                    btnNewButton.setBounds(55, 267, 89, 23);
                    contentPane.add(btnNewButton);

                    btnNewButton_1 = new JButton("Payment");
                    btnNewButton_1.setForeground(Color.BLACK);
                    btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 11));
                    btnNewButton_1.addActionListener(new ActionListener() {
                            public void actionPerformed(ActionEvent e) {

                                    //Here price of the ticket will be shown to the passenger when he
select his flight
                                    int dur=Integer.valueOf((String)
table.getValueAt(table.getSelectedRow(), 2));
                                    int price=10000*dur;
                                    JOptionPane.showMessageDialog(null, "Total price of this flight is
"+price);

                            }
                    });
                    btnNewButton_1.setBounds(171, 267, 89, 23);
                    contentPane.add(btnNewButton_1);

                    btnNewButton_2 = new JButton("Cancel");
                    btnNewButton_2.setForeground(Color.BLACK);
                    btnNewButton_2.setFont(new Font("Tahoma", Font.BOLD, 11));
                    btnNewButton_2.addActionListener(new ActionListener() {
                            public void actionPerformed(ActionEvent e) {

                                    //when passenger click on any flight and then click on the cancel
button his flight will be cancelled
                                    int line=table.getSelectedRow();
                                    JOptionPane.showMessageDialog(scrollPane, "Flight Cacelled");
                            }
                    });
                    btnNewButton_2.setBounds(282, 267, 89, 23);
                    contentPane.add(btnNewButton_2);

                    btnNewButton_3 = new JButton("Back");
                    btnNewButton_3.setForeground(Color.BLACK);
                    btnNewButton_3.setFont(new Font("Tahoma", Font.BOLD, 11));
                    btnNewButton_3.addActionListener(new ActionListener() {
                            public void actionPerformed(ActionEvent e) {

                                    //When user will click on back button he will be taken to the
Passenger booking JFrame.
```

```java
                                    Passenger_Booking obj=new Passenger_Booking();
                                    obj.setVisible(true);
                                    dispose();
                        }
                });
                btnNewButton_3.setBounds(391, 267, 89, 23);
                contentPane.add(btnNewButton_3);

                lblNewLabel = new JLabel("Passenger Local Flight");
                lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel.setForeground(new Color(204, 0, 0));
                lblNewLabel.setBounds(214, 11, 173, 23);
                contentPane.add(lblNewLabel);

        }
}




package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;
import java.util.ArrayList;

import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.table.DefaultTableModel;
import javax.swing.JScrollPane;
import javax.swing.JTable;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import java.awt.Font;
import java.awt.Color;
import javax.swing.JLabel;
import javax.swing.SwingConstants;

public class Passenger_International_Flight extends JFrame {

        private JPanel contentPane;
        //Array List of International flights is created
        static ArrayList<International_Flights>list=new ArrayList<International_Flights>();
```

```java
        private JTable table;
        private JButton btnNewButton;
        private JButton btnNewButton_1;
        private JButton btnNewButton_2;
        private JButton btnNewButton_3;
        private JLabel lblNewLabel;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Passenger_International_Flight frame = new
Passenger_International_Flight();
                                        frame.setVisible(true);
                                } catch (Exception e) {
                                        e.printStackTrace();
                                }
                        }
                });
        }

        /**
         * Create the frame.
         */
        public Passenger_International_Flight() {
                setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                setBounds(100, 100, 607, 381);
                contentPane = new JPanel();
                contentPane.setBackground(new Color(204, 255, 255));
                contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
                setContentPane(contentPane);
                contentPane.setLayout(null);

                //Here following attributes will come in each of the column in the table
                String[]column= {"From City","To City","Duration_Time","Date","Economy
Seat","Bussiness Seat"};

                DefaultTableModel Itable=new DefaultTableModel(column,0);

                //for each loop is used here and it store the flights in the list
                for(International_Flights object: Admin_Int_Flight.Ilist)
                {
```

```java
                    Object[] input=
{object.getFrom_City(),object.getTo_City(),object.getDuration_Time(),

        object.getDate(),object.getEconomy_Seat(),object.getBussiness_Seat(),};
                            Itable.addRow(input);
                }

            JScrollPane scrollPane = new JScrollPane();
            scrollPane.setBounds(10, 63, 571, 193);
            contentPane.add(scrollPane);
            table = new JTable(Itable);
            scrollPane.setViewportView(table);

            btnNewButton = new JButton("Book");
            btnNewButton.setForeground(Color.BLACK);
            btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
            btnNewButton.addActionListener(new ActionListener() {
                    public void actionPerformed(ActionEvent e) {
                            //As user click on any flight message will be shown to him that his
flight is booked

                            int line=table.getSelectedRow();
                            JOptionPane.showMessageDialog(scrollPane, "Flight Booked");
                    }
            });
            btnNewButton.setBounds(55, 267, 89, 23);
            contentPane.add(btnNewButton);

            btnNewButton_1 = new JButton("Payment");
            btnNewButton_1.setForeground(Color.BLACK);
            btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 11));
            btnNewButton_1.addActionListener(new ActionListener() {
                    public void actionPerformed(ActionEvent e) {
                            //Here price of the ticket will be shown to the passenger when he
select his flight
                            int dur=Integer.valueOf((String)
table.getValueAt(table.getSelectedRow(), 2));
                            int price=20000*dur;
                            JOptionPane.showMessageDialog(null, "Total price of this flight is
"+price);

                    }
            });
            btnNewButton_1.setBounds(171, 267, 89, 23);
            contentPane.add(btnNewButton_1);

            btnNewButton_2 = new JButton("Cancel");
```

```java
                btnNewButton_2.setForeground(Color.BLACK);
                btnNewButton_2.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_2.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //when passenger click on any flight and then click on the cancel
button his flight will be cancelled
                                int line=table.getSelectedRow();
                                JOptionPane.showMessageDialog(scrollPane, "Flight Cacelled");
                        }
                });
                btnNewButton_2.setBounds(282, 267, 89, 23);
                contentPane.add(btnNewButton_2);

                btnNewButton_3 = new JButton("Back");
                btnNewButton_3.setForeground(Color.BLACK);
                btnNewButton_3.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_3.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //When user will click on back button he will be taken to the
passenger booking JFrame.
                                Passenger_Booking obj=new Passenger_Booking();
                                obj.setVisible(true);
                                dispose();
                        }
                });
                btnNewButton_3.setBounds(391, 267, 89, 23);
                contentPane.add(btnNewButton_3);

                lblNewLabel = new JLabel("Passenger International Flight");
                lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel.setForeground(new Color(204, 0, 0));
                lblNewLabel.setBounds(214, 11, 215, 23);
                contentPane.add(lblNewLabel);

        }
}


package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
```

```java
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import java.awt.Font;
import java.awt.Color;
import javax.swing.JLabel;
import javax.swing.SwingConstants;

public class Passenger_Booking extends JFrame {

        private JPanel contentPane;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Passenger_Booking frame = new Passenger_Booking();
                                        frame.setVisible(true);
                                } catch (Exception e) {
                                        e.printStackTrace();
                                }
                        }
                });
        }

        /**
         * Create the frame.
         */
        public Passenger_Booking() {
                setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                setBounds(100, 100, 450, 300);
                contentPane = new JPanel();
                contentPane.setBackground(new Color(204, 255, 255));
                contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
                setContentPane(contentPane);
                contentPane.setLayout(null);

                JButton btnNewButton = new JButton("Local");
                btnNewButton.setForeground(new Color(153, 0, 0));
                btnNewButton.setBackground(Color.LIGHT_GRAY);
                btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 12));
```

```java
                btnNewButton.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //Composition a type of association is used here as user click on
the Local button he will be taken to the Passenger Local JFrame.
                                Passenger_Local_Flight obj=new Passenger_Local_Flight();
                                obj.setVisible(true);
                                dispose(); //Passenger local flight JFrame will be disposed after
that
                        }
                });
                btnNewButton.setBounds(168, 87, 122, 50);
                contentPane.add(btnNewButton);

                JButton btnNewButton_2 = new JButton("International");
                btnNewButton_2.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //Composition is used here as user click on the International button
he will be taken to the Passenger International flight JFrame.
                                Passenger_International_Flight obj=new
Passenger_International_Flight();
                                obj.setVisible(true);
                                dispose(); //Passenger International flight JFrame will be disposed
after that
                        }
                });
                btnNewButton_2.setForeground(new Color(153, 0, 0));
                btnNewButton_2.setBackground(Color.LIGHT_GRAY);
                btnNewButton_2.setFont(new Font("Tahoma", Font.BOLD, 12));
                btnNewButton_2.setBounds(139, 148, 176, 50);
                contentPane.add(btnNewButton_2);

                JLabel lblNewLabel = new JLabel("Passenger Booking");
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel.setForeground(new Color(255, 0, 0));
                lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel.setBounds(150, 11, 165, 25);
                contentPane.add(lblNewLabel);
        }

}


package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;
```

```java
import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JLabel;
import javax.swing.SwingConstants;
import java.awt.Font;
import java.awt.Color;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.util.ArrayList;
import java.awt.event.ActionEvent;

public class Menu extends JFrame {

        //Array List of passengers is created
        static ArrayList<Passenger> validation=new ArrayList<Passenger>();

        private JPanel contentPane;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Menu frame = new Menu();
                                        frame.setVisible(true);
                                } catch (Exception e) {
                                        e.printStackTrace();
                                }
                        }
                });
        }

        /**
         * Create the frame.
         */
        public Menu() {
                setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                setBounds(100, 100, 450, 300);
                contentPane = new JPanel();
                contentPane.setBackground(new Color(204, 255, 255));
                contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
                setContentPane(contentPane);
```

```java
                contentPane.setLayout(null);

                JLabel lblNewLabel = new JLabel("New-PAK Airline Flight System");
                lblNewLabel.setForeground(Color.RED);
                lblNewLabel.setBackground(Color.LIGHT_GRAY);
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel.setBounds(96, 11, 227, 39);
                contentPane.add(lblNewLabel);

                JButton btnNewButton = new JButton("Admin Panel");
                btnNewButton.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //Composition is used here as user click on the Admin Panel button
he will be taken to the Admin Login JFrame.
                                Admin_Login obj=new Admin_Login();
                                obj.setVisible(true);
                                dispose();

                        }
                });
                btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton.setBounds(143, 66, 136, 39);
                contentPane.add(btnNewButton);

                JButton btnNewButton_1 = new JButton("Passenger Panel");
                btnNewButton_1.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //Composition is used here as user click on the Passenger Panel
button he will be taken to the Passenger Login JFrame.
                                Passenger_Register obj=new Passenger_Register();
                                obj.setVisible(true);
                                dispose();
                        }
                });
                btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_1.setBounds(143, 116, 136, 39);
                contentPane.add(btnNewButton_1);
        }

}


package project;

public class International_Flights {
```

```java
        //Following are the variables of International flights class
        private String From_City;
        private String To_City;
        private String Duration_Time;
        private String Date;
        private String Economy_Seat;
        private String Bussiness_Seat;

        //Creating parameterized constructor of International flights class
        public International_Flights(String from_City, String to_City, String duration_Time, String date,
                        String economy_Seat, String bussiness_Seat) {
                From_City = from_City;
                To_City = to_City;
                Duration_Time=duration_Time;
                Date = date;
                this.Economy_Seat = economy_Seat;
                this.Bussiness_Seat = bussiness_Seat;
        }
        public String getFrom_City() {
                return From_City;
        }
        public void setFrom_City(String from_City) {
                From_City = from_City;
        }
        public String getTo_City() {
                return To_City;
        }
        public void setTo_City(String to_City) {
                To_City = to_City;
        }
        public String getDuration_Time() {
                return Duration_Time;
        }
        public void setDuration_Time(String duration_Time) {
                Duration_Time = duration_Time;
        }
        public String getDate() {
                return Date;
        }
        public void setDate(String date) {
                Date = date;
        }
        public String getEconomy_Seat() {
                return Economy_Seat;
```

```java
        }
        public void setEconomy_Seat(String economy_Seat) {
                Economy_Seat = economy_Seat;
        }
        public String getBussiness_Seat() {
                return Bussiness_Seat;
        }
        public void setBussiness_Seat(String bussiness_Seat) {
                Bussiness_Seat = bussiness_Seat;
        }

}




package project;

public class Flights {
        //Following are the variables of International flights class
        private String From_City;
        private String To_City;
        private String Duration_Time;
        private String Date;
        private String Economy_Seat;
        private String Bussiness_Seat;

        //Creating parameterized constructor of flights class
        public Flights(String from_City, String to_City, String duration_Time, String date,
                        String economy_Seat, String bussiness_Seat) {
            From_City = from_City;
            To_City = to_City;
            Duration_Time=duration_Time;
            Date = date;
            this.Economy_Seat = economy_Seat;
            this.Bussiness_Seat = bussiness_Seat;
        }
        public String getFrom_City() {
                return From_City;
        }
        public void setFrom_City(String from_City) {
                From_City = from_City;
        }
```

```java
        public String getTo_City() {
                return To_City;
        }
        public void setTo_City(String to_City) {
                To_City = to_City;
        }
        public String getDuration_Time() {
                return Duration_Time;
        }
        public void setDuration_Time(String duration_Time) {
                Duration_Time = duration_Time;
        }
        public String getDate() {
                return Date;
        }
        public void setDate(String date) {
                Date = date;
        }
        public String getEconomy_Seat() {
                return Economy_Seat;
        }
        public void setEconomy_Seat(String economy_Seat) {
                Economy_Seat = economy_Seat;
        }
        public String getBussiness_Seat() {
                return Bussiness_Seat;
        }
        public void setBussiness_Seat(String bussiness_Seat) {
                Bussiness_Seat = bussiness_Seat;
        }

}




package project;

public class Admin extends User{

        /*Here inheritance is used as we use extends keyword to extend the functionality
        of the parent class i.e User to the sub class i.e Admin*/
        public Admin(String name, String gender, String age, String cnic, String username,
String password) {
                super(name, gender, age, cnic, username, password);
```

```
        }

}


package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JButton;
import java.awt.Font;
import java.util.ArrayList;
import java.awt.Color;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JLabel;
import javax.swing.SwingConstants;

public class Admin_Menu extends JFrame {

        ArrayList<Flights> flight=new ArrayList<Flights>();

        private JPanel contentPane;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Admin_Menu frame = new Admin_Menu();
                                        frame.setVisible(true);
                                } catch (Exception e) {
                                        e.printStackTrace();
                                }
                        }
                });
        }

        /**
```

```java
        * Create the frame.
        */
       public Admin_Menu() {
               setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
               setBounds(100, 100, 450, 300);
               contentPane = new JPanel();
               contentPane.setBackground(new Color(204, 255, 255));
               contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
               setContentPane(contentPane);
               contentPane.setLayout(null);

               JButton btnNewButton = new JButton("Add Flights");
               btnNewButton.addActionListener(new ActionListener() {
                       public void actionPerformed(ActionEvent e) {
                               //When user click on the add flight button he will be taken to the
admin add flight JFrame.
                       Admin_Add_Flight obj=new Admin_Add_Flight();
                               obj.setVisible(true);
                               dispose();
                       }
               });
               btnNewButton.setForeground(Color.BLACK);
               btnNewButton.setBackground(Color.LIGHT_GRAY);
               btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
               btnNewButton.setBounds(149, 90, 126, 63);
               contentPane.add(btnNewButton);

               JLabel lblNewLabel = new JLabel("Admin Menu");
               lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
               lblNewLabel.setForeground(new Color(204, 0, 0));
               lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
               lblNewLabel.setBounds(149, 11, 126, 23);
               contentPane.add(lblNewLabel);
       }

}


package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
```

```java
import javax.swing.JLabel;
import javax.swing.JOptionPane;

import java.awt.Font;
import javax.swing.SwingConstants;
import javax.swing.JTextField;
import javax.swing.JPasswordField;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.util.ArrayList;
import java.awt.event.ActionEvent;
import java.awt.Color;

public class Admin_Login extends JFrame {

    private JPanel contentPane;
    private JTextField textField;
    private JPasswordField passwordField;
    private JLabel lblNewLabel_2;

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    Admin_Login frame = new Admin_Login();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }

    /**
     * Create the frame.
     */
    public Admin_Login() {
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setBounds(100, 100, 450, 300);
        contentPane = new JPanel();
        contentPane.setBackground(new Color(204, 255, 255));
        contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
        setContentPane(contentPane);
```

```java
        contentPane.setLayout(null);

        JLabel lblNewLabel = new JLabel("Username");
        lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
        lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 11));
        lblNewLabel.setBounds(107, 72, 69, 14);
        contentPane.add(lblNewLabel);

        JLabel lblNewLabel_1 = new JLabel("Password");
        lblNewLabel_1.setHorizontalAlignment(SwingConstants.CENTER);
        lblNewLabel_1.setFont(new Font("Tahoma", Font.BOLD, 11));
        lblNewLabel_1.setBounds(107, 116, 69, 14);
        contentPane.add(lblNewLabel_1);

        textField = new JTextField();
        textField.setBounds(204, 69, 86, 20);
        contentPane.add(textField);
        textField.setColumns(10);

        passwordField = new JPasswordField();
        passwordField.setBounds(204, 113, 86, 20);
        contentPane.add(passwordField);

   //Array list of admin username and admin password is created
        ArrayList<String> admin_username = new ArrayList<String>();
        ArrayList<String> admin_password = new ArrayList<String>();

        //kamil is stored in admin username and 12345678 is stored in admin password
        admin_username.add("kamil");
        admin_password.add("12345678");

        JButton btnNewButton = new JButton("Login");
        btnNewButton.setForeground(Color.BLACK);
        btnNewButton.addActionListener(new ActionListener() {
                public void actionPerformed(ActionEvent e) {
                        //When user click on the login button he provides his input in the
username and password text field and that is stored in username and password
                        String username=textField.getText();
                        String password=passwordField.getText();

                        //When admin username and admin password matches i.e kamil
and 12345678 to the text that user entered in the username and password
                        //text field he will then be taken to the admin menu JFrame else
message will be displayed "invalid credentials"
                        if
(admin_username.get(0).equals(username)&&admin_password.get(0).equals(password))
```

```java
                              {
                                      Admin_Menu obj=new Admin_Menu();
                                      obj.setVisible(true);
                                      dispose();
                              }
                              else
                                      JOptionPane.showMessageDialog(null, "Invalid
Credentials");
                      }
              });
              btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
              btnNewButton.setBounds(266, 149, 89, 23);
              contentPane.add(btnNewButton);

              lblNewLabel_2 = new JLabel("Admin Login");
              lblNewLabel_2.setFont(new Font("Tahoma", Font.BOLD, 14));
              lblNewLabel_2.setForeground(new Color(204, 0, 0));
              lblNewLabel_2.setHorizontalAlignment(SwingConstants.CENTER);
              lblNewLabel_2.setBounds(155, 11, 109, 23);
              contentPane.add(lblNewLabel_2);
      }

}


package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;
import java.util.ArrayList;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.table.DefaultTableModel;
import javax.swing.JScrollPane;
import javax.swing.JTable;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import java.awt.Font;
import javax.swing.JLabel;
import javax.swing.SwingConstants;
import java.awt.Color;

public class Admin_Local_Flight extends JFrame {
```

```java
        private JPanel contentPane;
        //Array list of flights is created
        static ArrayList<Flights>list=new ArrayList<Flights>();
        private JTable table;
        private JButton btnNewButton;
        private JButton btnNewButton_1;
        private JButton btnNewButton_2;
        private JButton btnNewButton_3;
        private JLabel lblNewLabel;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Admin_Local_Flight frame = new Admin_Local_Flight();
                                        frame.setVisible(true);
                                } catch (Exception e) {
                                        e.printStackTrace();
                                }
                        }
                });
        }

        /**
         * Create the frame.
         */
        public Admin_Local_Flight() {
                setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
                setBounds(100, 100, 607, 381);
                contentPane = new JPanel();
                contentPane.setBackground(new Color(204, 255, 255));
                contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
                setContentPane(contentPane);
                contentPane.setLayout(null);

                //Here following attributes will come in each of the column in the table
                String[]column= {"From City","To City","Duration Time","Date","Economy
Seat","Bussiness Seat"};

                DefaultTableModel Ltable=new DefaultTableModel(column,0);

                //for each loop is used here and it store the flights in the list
```

```java
                for(Flights object: list)
                {
                        Object[] input=
{object.getFrom_City(),object.getTo_City(),object.getDuration_Time(),

        object.getDate(),object.getEconomy_Seat(),object.getBussiness_Seat(),};
                        Ltable.addRow(input);
                }

                JScrollPane scrollPane = new JScrollPane();
                scrollPane.setBounds(10, 63, 571, 193);
                contentPane.add(scrollPane);
                table = new JTable(Ltable);
                scrollPane.setViewportView(table);

                btnNewButton = new JButton("Remove");
                btnNewButton.setForeground(Color.BLACK);
                btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //As admin select any field and then click on the remove button
that flight will be removed
                                int line=table.getSelectedRow();
                                Ltable.removeRow(line);
                        }
                });
                btnNewButton.setBounds(55, 267, 89, 23);
                contentPane.add(btnNewButton);

                btnNewButton_1 = new JButton("Edit");
                btnNewButton_1.setForeground(Color.BLACK);
                btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_1.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //When admin click on the edit button he can edit the flight details.
                                Admin_Add_Entries obj=new Admin_Add_Entries();
                                obj.setVisible(true);
                                dispose();

                        }
                });
                btnNewButton_1.setBounds(171, 267, 89, 23);
                contentPane.add(btnNewButton_1);

                btnNewButton_2 = new JButton("Add");
                btnNewButton_2.setForeground(Color.BLACK);
```

```java
                btnNewButton_2.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_2.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //When admin click on the add button he can add new flights
                                Admin_Add_Entries obj=new Admin_Add_Entries();
                                obj.setVisible(true);
                                dispose();

                        }
                });
                btnNewButton_2.setBounds(282, 267, 89, 23);
                contentPane.add(btnNewButton_2);

                btnNewButton_3 = new JButton("Back");
                btnNewButton_3.setForeground(Color.BLACK);
                btnNewButton_3.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_3.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //As user click on the back button he will be taken to the admin add
flight JFrame
                                Admin_Add_Flight obj=new Admin_Add_Flight();
                                obj.setVisible(true);
                                dispose();
                        }
                });
                btnNewButton_3.setBounds(391, 267, 89, 23);
                contentPane.add(btnNewButton_3);

                lblNewLabel = new JLabel("Admin Local Flight");
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel.setForeground(new Color(255, 0, 0));
                lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel.setBounds(218, 11, 153, 23);
                contentPane.add(lblNewLabel);

        }
}


package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;
import java.util.ArrayList;

import javax.swing.JFrame;
```

```java
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.table.DefaultTableModel;
import javax.swing.JScrollPane;
import javax.swing.JTable;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import java.awt.Font;
import javax.swing.JLabel;
import java.awt.Color;
import javax.swing.SwingConstants;

public class Admin_Int_Flight extends JFrame {

	private JPanel contentPane;
	//Array list of International flights is created
	static ArrayList<International_Flights>Ilist=new ArrayList<International_Flights>();
	private JTable table;
	private JButton btnNewButton;
	private JButton btnNewButton_1;
	private JButton btnNewButton_2;
	private JButton btnNewButton_3;
	private JLabel lblNewLabel;

	/**
	 * Launch the application.
	 */
	public static void main(String[] args) {
		EventQueue.invokeLater(new Runnable() {
			public void run() {
				try {
					Admin_Int_Flight frame = new Admin_Int_Flight();
					frame.setVisible(true);
				} catch (Exception e) {
					e.printStackTrace();
				}
			}
		});
	}

	/**
	 * Create the frame.
	 */
	public Admin_Int_Flight() {
		setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```java
            setBounds(100, 100, 607, 381);
            contentPane = new JPanel();
            contentPane.setBackground(new Color(204, 255, 255));
            contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
            setContentPane(contentPane);
            contentPane.setLayout(null);

            //Here following attributes will come in each of the column in the table
            String[]column= {"From City","To City","Duration Time","Date","Economy
Seat","Bussiness Seat"};

            DefaultTableModel Itable=new DefaultTableModel(column,0);

            //for each loop is used here and it store the flights in the list
            for(International_Flights object: Ilist)
            {
                    Object[] input=
{object.getFrom_City(),object.getTo_City(),object.getDuration_Time(),

      object.getDate(),object.getEconomy_Seat(),object.getBussiness_Seat(),};
                        Itable.addRow(input);
            }

            JScrollPane scrollPane = new JScrollPane();
            scrollPane.setBounds(10, 63, 571, 193);
            contentPane.add(scrollPane);
            table = new JTable(Itable);
            scrollPane.setViewportView(table);

            btnNewButton = new JButton("Remove");
            btnNewButton.setForeground(Color.BLACK);
            btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
            btnNewButton.addActionListener(new ActionListener() {
                    public void actionPerformed(ActionEvent e) {
                            //As admin select any field and then click on the remove button
that flight will be removed
                            int line=table.getSelectedRow();
                            Itable.removeRow(line);
                    }
            });
            btnNewButton.setBounds(55, 267, 89, 23);
            contentPane.add(btnNewButton);

            btnNewButton_1 = new JButton("Edit");
            btnNewButton_1.setForeground(Color.BLACK);
            btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 11));
```

```java
                btnNewButton_1.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //When admin click on the edit button he can edit the flight details.
                                Admin_Add_Int_Entries obj=new Admin_Add_Int_Entries();
                                obj.setVisible(true);
                                dispose();

                        }
                });
                btnNewButton_1.setBounds(171, 267, 89, 23);
                contentPane.add(btnNewButton_1);

                btnNewButton_2 = new JButton("Add");
                btnNewButton_2.setForeground(Color.BLACK);
                btnNewButton_2.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_2.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //When admin click on the add button he can add new flights
                                Admin_Add_Int_Entries obj=new Admin_Add_Int_Entries();
                                obj.setVisible(true);
                                dispose();

                        }
                });
                btnNewButton_2.setBounds(282, 267, 89, 23);
                contentPane.add(btnNewButton_2);

                btnNewButton_3 = new JButton("Back");
                btnNewButton_3.setForeground(Color.BLACK);
                btnNewButton_3.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_3.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //As user click on the back button he will be taken to the admin add
flight JFrame
                                Admin_Add_Flight obj=new Admin_Add_Flight();
                                obj.setVisible(true);
                                dispose();
                        }
                });
                btnNewButton_3.setBounds(391, 267, 89, 23);
                contentPane.add(btnNewButton_3);

                lblNewLabel = new JLabel("Admin International Flight");
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel.setForeground(new Color(255, 0, 0));
```

```java
                    lblNewLabel.setBounds(205, 11, 203, 23);
                    contentPane.add(lblNewLabel);


        }
}




package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JTextField;
import javax.swing.SwingConstants;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JLabel;
import java.awt.Font;
import java.awt.Color;

public class Admin_Add_Int_Entries extends JFrame {

        private JPanel contentPane;
        private JTextField txtFromCity;
        private JTextField txtToCity;
        private JTextField txtDepartureTime;
        private JTextField txtDate;
        private JTextField txtEconomySeat;
        private JTextField txtBussinessSeat;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Admin_Add_Int_Entries frame = new
Admin_Add_Int_Entries();

                                        frame.setVisible(true);
```

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

    /**
     * Create the frame.
     */
    public Admin_Add_Int_Entries() {
            setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
            setBounds(100, 100, 522, 431);
            contentPane = new JPanel();
            contentPane.setBackground(new Color(204, 255, 255));
            contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
            setContentPane(contentPane);
            contentPane.setLayout(null);

            txtFromCity = new JTextField();
            txtFromCity.setBounds(187, 108, 86, 20);
            contentPane.add(txtFromCity);
            txtFromCity.setColumns(10);

            txtToCity = new JTextField();
            txtToCity.setBounds(187, 139, 86, 20);
            contentPane.add(txtToCity);
            txtToCity.setColumns(10);

            txtDepartureTime = new JTextField();
            txtDepartureTime.setBounds(187, 170, 86, 20);
            contentPane.add(txtDepartureTime);
            txtDepartureTime.setColumns(10);

            txtDate = new JTextField();
            txtDate.setBounds(187, 201, 86, 20);
            contentPane.add(txtDate);
            txtDate.setColumns(10);

            txtEconomySeat = new JTextField();
            txtEconomySeat.setBounds(187, 232, 86, 20);
            contentPane.add(txtEconomySeat);
            txtEconomySeat.setColumns(10);

            txtBussinessSeat = new JTextField();
            txtBussinessSeat.setBounds(187, 263, 86, 20);
```

```java
                contentPane.add(txtBussinessSeat);
                txtBussinessSeat.setColumns(10);

                JButton btnNewButton = new JButton("Add");
                btnNewButton.setForeground(Color.BLACK);
                btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //As admin click on the add button the information will be stored in
the Admin international flight.
                                International_Flights obj=new
International_Flights(txtFromCity.getText(),txtToCity.getText(),txtDepartureTime.getText(),

        txtDate.getText(),txtEconomySeat.getText(),txtBussinessSeat.getText());
                                Admin_Int_Flight.Ilist.add(obj);
                        }
                });
                btnNewButton.setBounds(277, 289, 89, 23);
                contentPane.add(btnNewButton);

                JButton btnNewButton_1 = new JButton("View");
                btnNewButton_1.setForeground(Color.BLACK);
                btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_1.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //When admin will click on the view button he will be taken to the
admin international JFrame and all the information that
                                //admin had added will be displayed there
                                Admin_Int_Flight obj=new Admin_Int_Flight();
                                obj.setVisible(true);
                                dispose();
                        }
                });
                btnNewButton_1.setBounds(277, 323, 89, 23);
                contentPane.add(btnNewButton_1);

                JLabel lblNewLabel = new JLabel("From City");
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 11));
                lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel.setBounds(66, 111, 86, 14);
                contentPane.add(lblNewLabel);

                JLabel lblNewLabel_1 = new JLabel("To City");
                lblNewLabel_1.setFont(new Font("Tahoma", Font.BOLD, 11));
                lblNewLabel_1.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel_1.setBounds(66, 142, 86, 14);
```

```java
                contentPane.add(lblNewLabel_1);

                JLabel lblNewLabel_2 = new JLabel("Duration Time");
                lblNewLabel_2.setFont(new Font("Tahoma", Font.BOLD, 11));
                lblNewLabel_2.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel_2.setBounds(66, 173, 86, 14);
                contentPane.add(lblNewLabel_2);

                JLabel lblNewLabel_3 = new JLabel("Date");
                lblNewLabel_3.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel_3.setFont(new Font("Tahoma", Font.BOLD, 11));
                lblNewLabel_3.setBounds(66, 204, 86, 14);
                contentPane.add(lblNewLabel_3);

                JLabel lblNewLabel_4 = new JLabel("Economy Seat");
                lblNewLabel_4.setFont(new Font("Tahoma", Font.BOLD, 11));
                lblNewLabel_4.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel_4.setBounds(66, 235, 86, 14);
                contentPane.add(lblNewLabel_4);

                JLabel lblNewLabel_5 = new JLabel("Bussiness Seat");
                lblNewLabel_5.setFont(new Font("Tahoma", Font.BOLD, 11));
                lblNewLabel_5.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel_5.setBounds(66, 266, 86, 14);
                contentPane.add(lblNewLabel_5);

                JLabel lblNewLabel_6 = new JLabel("Admin Adding Entries\r\n for");
                lblNewLabel_6.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel_6.setForeground(new Color(255, 0, 0));
                lblNewLabel_6.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel_6.setBounds(167, 11, 215, 31);
                contentPane.add(lblNewLabel_6);

                JLabel lblNewLabel_7 = new JLabel("International Flight");
                lblNewLabel_7.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel_7.setForeground(new Color(255, 0, 0));
                lblNewLabel_7.setBounds(208, 41, 148, 20);
                contentPane.add(lblNewLabel_7);
        }
}


package project;

import java.awt.BorderLayout;
```

```java
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JButton;
import java.awt.Font;
import java.awt.Color;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JLabel;
import javax.swing.SwingConstants;

public class Admin_Add_Flight extends JFrame {

	private JPanel contentPane;

	/**
	 * Launch the application.
	 */
	public static void main(String[] args) {
		EventQueue.invokeLater(new Runnable() {
			public void run() {
				try {
					Admin_Add_Flight frame = new Admin_Add_Flight();
					frame.setVisible(true);
				} catch (Exception e) {
					e.printStackTrace();
				}
			}
		});
	}

	/**
	 * Create the frame.
	 */
	public Admin_Add_Flight() {
		setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
		setBounds(100, 100, 450, 300);
		contentPane = new JPanel();
		contentPane.setBackground(new Color(204, 255, 255));
		contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
		setContentPane(contentPane);
		contentPane.setLayout(null);

		JButton btnNewButton = new JButton("Local Flight");
```

```
            btnNewButton.addActionListener(new ActionListener() {
                public void actionPerformed(ActionEvent e) {
                    //As user click on the local flight button he will be taken to the
admin local flight JFrame
                    Admin_Local_Flight obj=new Admin_Local_Flight();
                    obj.setVisible(true);
                    dispose();

                }
            });
        btnNewButton.setBackground(Color.LIGHT_GRAY);
        btnNewButton.setForeground(Color.BLACK);
        btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 12));
        btnNewButton.setBounds(149, 82, 117, 51);
        contentPane.add(btnNewButton);

        JButton btnNewButton_1 = new JButton("International Flight");
        btnNewButton_1.addActionListener(new ActionListener() {
                public void actionPerformed(ActionEvent e) {
                    //As user click on the International flight button he will be taken to
the admin International flight JFrame
                    Admin_Int_Flight obj=new Admin_Int_Flight();
                    obj.setVisible(true);
                    dispose();
                }
            });
        btnNewButton_1.setBackground(Color.LIGHT_GRAY);
        btnNewButton_1.setForeground(Color.BLACK);
        btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 12));
        btnNewButton_1.setBounds(129, 144, 166, 51);
        contentPane.add(btnNewButton_1);

        JButton btnNewButton_2 = new JButton("Menu");
        btnNewButton_2.setForeground(Color.BLACK);
        btnNewButton_2.addActionListener(new ActionListener() {
                public void actionPerformed(ActionEvent e) {
                    Menu obj=new Menu();
                    obj.setVisible(true);
                    dispose();
                }
            });
        btnNewButton_2.setBounds(318, 211, 89, 23);
        contentPane.add(btnNewButton_2);

        JLabel lblNewLabel = new JLabel("Admin Adding Flight");
        lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
```

```java
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 14));
                lblNewLabel.setForeground(new Color(255, 0, 0));
                lblNewLabel.setBounds(129, 11, 166, 28);
                contentPane.add(lblNewLabel);
        }
}


package project;

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JTextField;
import javax.swing.SwingConstants;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JLabel;
import java.awt.Font;
import java.awt.Color;

public class Admin_Add_Entries extends JFrame {

        private JPanel contentPane;
        private JTextField txtFromCity;
        private JTextField txtToCity;
        private JTextField txtDepartureTime;
        private JTextField txtDate;
        private JTextField txtEconomySeat;
        private JTextField txtBussinessSeat;

        /**
         * Launch the application.
         */
        public static void main(String[] args) {
                EventQueue.invokeLater(new Runnable() {
                        public void run() {
                                try {
                                        Admin_Add_Entries frame = new Admin_Add_Entries();
                                        frame.setVisible(true);
                                } catch (Exception e) {
                                        e.printStackTrace();
```

```java
                    }
                }
        });
}

/**
 * Create the frame.
 */
public Admin_Add_Entries() {
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setBounds(100, 100, 522, 442);
        contentPane = new JPanel();
        contentPane.setBackground(new Color(204, 255, 255));
        contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
        setContentPane(contentPane);
        contentPane.setLayout(null);

        txtFromCity = new JTextField();
        txtFromCity.setBounds(187, 114, 86, 20);
        contentPane.add(txtFromCity);
        txtFromCity.setColumns(10);

        txtToCity = new JTextField();
        txtToCity.setBounds(187, 145, 86, 20);
        contentPane.add(txtToCity);
        txtToCity.setColumns(10);

        txtDepartureTime = new JTextField();
        txtDepartureTime.setBounds(187, 176, 86, 20);
        contentPane.add(txtDepartureTime);
        txtDepartureTime.setColumns(10);

        txtDate = new JTextField();
        txtDate.setBounds(187, 207, 86, 20);
        contentPane.add(txtDate);
        txtDate.setColumns(10);

        txtEconomySeat = new JTextField();
        txtEconomySeat.setBounds(187, 238, 86, 20);
        contentPane.add(txtEconomySeat);
        txtEconomySeat.setColumns(10);

        txtBussinessSeat = new JTextField();
        txtBussinessSeat.setBounds(187, 269, 86, 20);
        contentPane.add(txtBussinessSeat);
        txtBussinessSeat.setColumns(10);
```

```java
                JButton btnNewButton = new JButton("Add");
                btnNewButton.setForeground(Color.BLACK);
                btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //As admin click on the add button the information will be stored in
the Admin international flight.
                                Flights obj=new
Flights(txtFromCity.getText(),txtToCity.getText(),txtDepartureTime.getText(),

        txtDate.getText(),txtEconomySeat.getText(),txtBussinessSeat.getText());
                                Admin_Local_Flight.list.add(obj);
                        }
                });
                btnNewButton.setBounds(277, 297, 89, 23);
                contentPane.add(btnNewButton);

                JButton btnNewButton_1 = new JButton("View");
                btnNewButton_1.setForeground(Color.BLACK);
                btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 11));
                btnNewButton_1.addActionListener(new ActionListener() {
                        public void actionPerformed(ActionEvent e) {
                                //When admin will click on the view button he will be taken to the
admin international JFrame and all the information that
                                //admin had added will be displayed there
                                Admin_Local_Flight obj=new Admin_Local_Flight();
                                obj.setVisible(true);
                                dispose();
                        }
                });
                btnNewButton_1.setBounds(277, 331, 89, 23);
                contentPane.add(btnNewButton_1);

                JLabel lblNewLabel = new JLabel("From City");
                lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 11));
                lblNewLabel.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel.setBounds(66, 117, 86, 14);
                contentPane.add(lblNewLabel);

                JLabel lblNewLabel_1 = new JLabel("To City");
                lblNewLabel_1.setFont(new Font("Tahoma", Font.BOLD, 11));
                lblNewLabel_1.setHorizontalAlignment(SwingConstants.CENTER);
                lblNewLabel_1.setBounds(66, 148, 86, 14);
                contentPane.add(lblNewLabel_1);
```

```java
        JLabel lblNewLabel_2 = new JLabel("Duration Time");
        lblNewLabel_2.setFont(new Font("Tahoma", Font.BOLD, 11));
        lblNewLabel_2.setHorizontalAlignment(SwingConstants.CENTER);
        lblNewLabel_2.setBounds(66, 179, 86, 14);
        contentPane.add(lblNewLabel_2);

        JLabel lblNewLabel_3 = new JLabel("Date");
        lblNewLabel_3.setHorizontalAlignment(SwingConstants.CENTER);
        lblNewLabel_3.setFont(new Font("Tahoma", Font.BOLD, 11));
        lblNewLabel_3.setBounds(66, 210, 86, 14);
        contentPane.add(lblNewLabel_3);

        JLabel lblNewLabel_4 = new JLabel("Economy Seat");
        lblNewLabel_4.setFont(new Font("Tahoma", Font.BOLD, 11));
        lblNewLabel_4.setHorizontalAlignment(SwingConstants.CENTER);
        lblNewLabel_4.setBounds(66, 241, 86, 14);
        contentPane.add(lblNewLabel_4);

        JLabel lblNewLabel_5 = new JLabel("Bussiness Seat");
        lblNewLabel_5.setFont(new Font("Tahoma", Font.BOLD, 11));
        lblNewLabel_5.setHorizontalAlignment(SwingConstants.CENTER);
        lblNewLabel_5.setBounds(66, 272, 86, 14);
        contentPane.add(lblNewLabel_5);

        JLabel lblNewLabel_6 = new JLabel("Admin Adding Entries for");
        lblNewLabel_6.setForeground(new Color(255, 0, 0));
        lblNewLabel_6.setFont(new Font("Tahoma", Font.BOLD, 14));
        lblNewLabel_6.setHorizontalAlignment(SwingConstants.CENTER);
        lblNewLabel_6.setBounds(133, 11, 190, 23);
        contentPane.add(lblNewLabel_6);

        JLabel lblNewLabel_7 = new JLabel("Local Flight");
        lblNewLabel_7.setFont(new Font("Tahoma", Font.BOLD, 14));
        lblNewLabel_7.setForeground(new Color(255, 0, 0));
        lblNewLabel_7.setBounds(187, 38, 111, 20);
        contentPane.add(lblNewLabel_7);
    }
}
```

==*-- THE END --*==

Some Guidelines for Task/Report/Deliverable Submissions

All deadlines should be strictly followed

- All assignments submitted after deadlines will be awarded ZERO marks
- Document text should be well formatted and justified.
- All assignment should use Times New Roman font. Font size details are as follows
    - Heading font size should be 16, should be bold and underlined
    - All sub headings should be of size 14, bold and underlines.
    - All regular text should be of size 12
    - Add captions for all table and figures and cross reference them in your text
- For any query or concerns email at bilal.khalid@nu.edu.pk