

Develop an Air ticket booking Home page by using Text and Button objects (Source, Destination, Departure Date, No. of passengers, Class(Business, First, Economy)with appropriate Layout to describe about the booking.

For the above application use JDBC connection and store the data entered using JavaFX into the Database. Upon clicking the button “Book”, display as “Data submitted successfully”|

CODE:

```
package flightdb;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import java.sql.Statement;
import javafx.application.Application;
import static javafx.application.Application.launch;
import javafx.event.ActionEvent;
import javafx.event.EventHandler;
import javafx.geometry.Pos;
import javafx.scene.Scene;
import javafx.scene.control.Button;
import javafx.scene.control.Label;
import javafx.scene.control.RadioButton;
import javafx.scene.control.TextField;
import javafx.scene.control.ToggleGroup;
import javafx.scene.layout.HBox;
import javafx.scene.layout.VBox;
import javafx.scene.text.Font;
import javafx.scene.text.FontPosture;
import javafx.scene.text.FontWeight;
import javafx.stage.Stage;
```

```

class dbmsconnction{

    String url;

    String uname;

    String pwd;


    public dbmsconnction(String url, String uname, String pwd) {

        this.url = url;

        this.uname = uname;

        this.pwd = pwd;

    }

    public Connection getConnection() throws ClassNotFoundException, InstantiationException,
    IllegalAccessException, SQLException{

        Connection con;

        con = null;

        try {

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

            con=DriverManager.getConnection("jdbc:mysql://localhost:3306/airplane","root","");

        } catch (Exception e) {

            System.out.println(e);

        }

        return con;

    }

    public void close(Connection con,Statement stmt) throws SQLException{

        stmt.close();

        con.close();

        System.out.println("Connection closed");

    }

}

```

```

class passenger{

```

```
String source,destination,date,tclass,n;
```

```
public passenger(String source, String destination, String date, String tclass, String n) {  
    this.source = source;  
    this.destination = destination;  
    this.date = date;  
    this.tclass = tclass;  
    this.n = n;  
}
```

```
public void insertdata() throws SQLException, ClassNotFoundException, InstantiationException,  
IllegalAccessException{  
    dbmsconcnction dbmscon=new  
dbmsconcnction("jdbc:mysql://localhost:3306/airplane","root","");  
    Connection con=dbmscon.getConnection();  
    String sql="insert into Ticket values(?,?,?,?);";  
    PreparedStatement stmt=con.prepareStatement(sql);  
    stmt.setString(1,source);  
    stmt.setString(2,destination);  
    stmt.setString(3,date);  
    stmt.setString(4,n);  
    stmt.setString(5,tclass);  
    int i=stmt.executeUpdate();  
}  
}
```

```
public class Flightdb extends Application {
```

```
static String s,d,da,p,c;
```

```
static Stage window;
```

```
@Override
```

```

public void start(Stage primaryStage) {

    Label Regno=new Label("20BCE2231 aSWAMINATH");
    Regno.setFont(Font.font("Times New Roman", 20));
    Label heading=new Label("Welcome to AirPlane Booking");
    heading.setFont(Font.font("Times New Roman", FontWeight.BOLD, 40));
    Label sourceLabel=new Label("Enter Source");
    sourceLabel.setFont(Font.font("Times New Roman", FontPosture.ITALIC, 20));
    TextField source=new TextField();
    Label destinationinationLabel =new Label("Enter Destination");
    destinationinationLabel.setFont(Font.font("Times New Roman", FontPosture.ITALIC, 20));
    TextField destinationination=new TextField();
    Label dateLabel=new Label("Date of Travel(DD/MM/YY)");
    dateLabel.setFont(Font.font("Times New Roman", FontPosture.ITALIC, 20));
    TextField date=new TextField();
    Label passengersLabel=new Label("Number of Passengers");
    passengersLabel.setFont(Font.font("Times New Roman", FontPosture.ITALIC, 20));
    TextField passengers=new TextField();
    Label classLabel=new Label("Choose one of the class");
    classLabel.setFont(Font.font("Times New Roman", FontPosture.ITALIC, 20));
    ToggleGroup classOptions=new ToggleGroup();
    RadioButton opt1=new RadioButton("Business");
    opt1.setToggleGroup(classOptions);
    RadioButton opt2=new RadioButton("First");
    opt2.setToggleGroup(classOptions);
    RadioButton opt3=new RadioButton("Economy");
    opt3.setToggleGroup(classOptions);
    Button bookBtn = new Button();
    bookBtn.setText("Book Tickets");
    bookBtn.setOnAction(new EventHandler<ActionEvent>() {
        @Override
        public void handle(ActionEvent event) {

```

```

        s = source.getText();
        d=destinationination.getText();
        da=date.getText();
        p=passengers.getText();
        RadioButton selectedOption =(RadioButton)classOptions.getSelectedToggle();
        c=selectedOption.getText();
        createNewScene();
        System.out.println("Booking Done");
    }
});

```

```

window=primaryStage;
primaryStage.setTitle("AeroPlane Booking System");
VBox root = new VBox(10);
HBox h0=new HBox();
HBox h1=new HBox();
HBox h3=new HBox(150);
HBox h4=new HBox(111);
HBox h5=new HBox(29);
HBox h6=new HBox(72);
HBox h7=new HBox(60);
HBox h2=new HBox();
h0.getChildren().add(Regno);
h1.getChildren().add(heading);
h2.getChildren().add(bookBtn);
h3.getChildren().addAll(sourceLabel, source);
h4.getChildren().addAll(destinationinationLabel,destinationination);
h5.getChildren().addAll(dateLabel, date);
h6.getChildren().addAll(passengersLabel, passengers);
h7.getChildren().addAll(classLabel, opt1, opt2, opt3);
root.getChildren().addAll(h0,h1,h3,h4,h5,h6,h7,h2);

```

```

        Scene scene = new Scene(root, 300, 250);

        primaryStage.setScene(scene);

        primaryStage.show();
    }

    public static void createNewScene(){

        Label details=new Label("Booking confirmed\n From Source: "+s+"\nTo Destination:"+d+"\nOn:
"+da+"\nFor "+p+" passengers\nOf "+c+" Class.\nThank You");

        HBox h=new HBox();

        h.getChildren().add(details);

        details.setFont(Font.font("Times New Roman", FontWeight.BOLD, 40));

        h.setAlignment(Pos.CENTER);

        Scene scene1=new Scene(h,200,300);

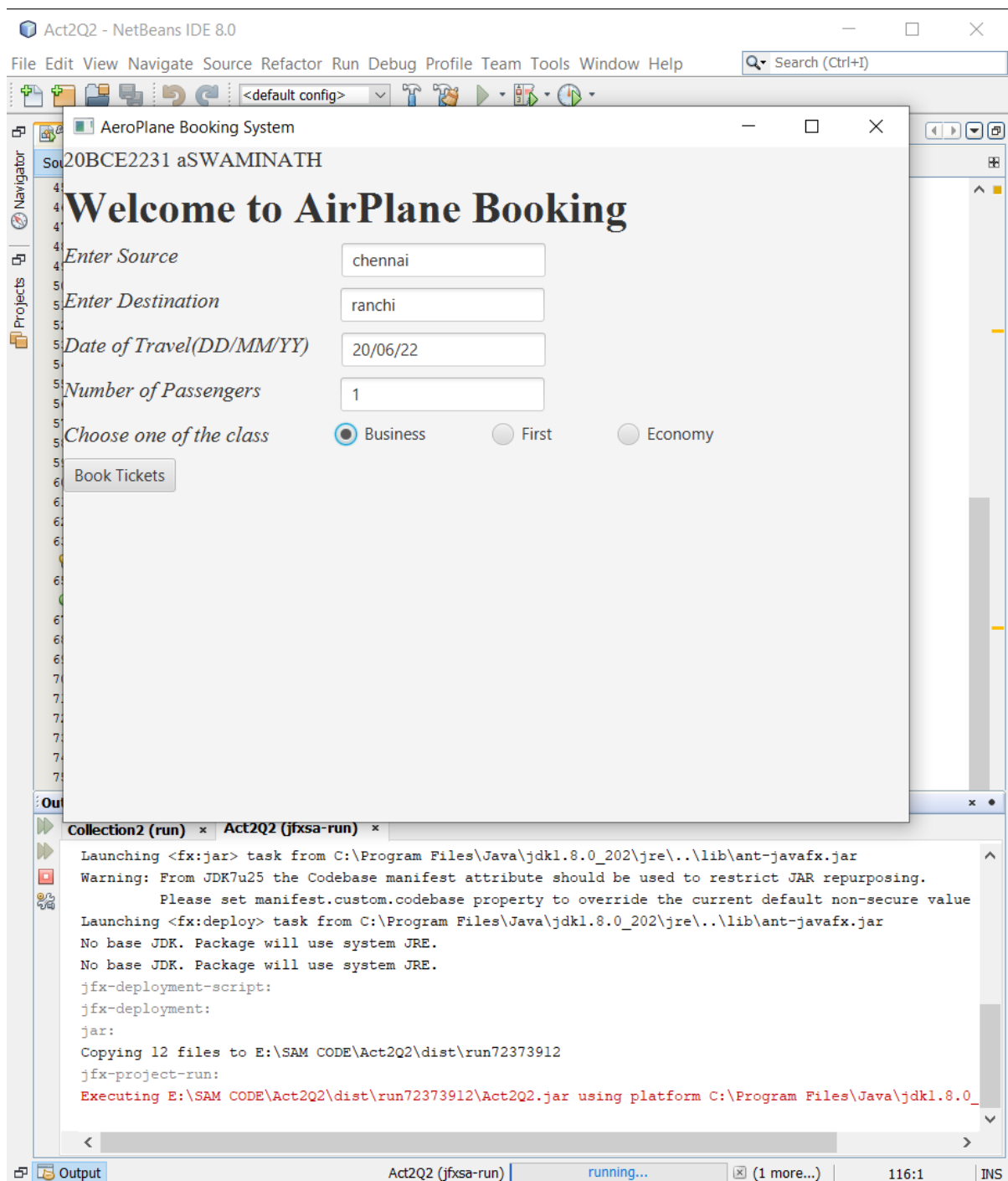
        window.setScene(scene1);
    }

    public static void main(String[] args) {

        launch(args);
    }
}

```

SCREENSHOTS:



Booking confirmed
From Source: chennai
To Destination:ranchi
On: 20/06/22
For 1 passengers
Of Business Class.
Thank You

