

Source Code

HTML Pages

1. addFlight.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body {
background-image: url('bg1.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
text-align : left;
margin : 15px;
}
a{
text-decoration: none;
font-size: 22px;
}
a:link {
color: red;
}
a:visited {
color: green;
}
a:hover {
color: hotpink;
}
a:active {
color: blue;
}
</style>
</head>
<body>
<div>
<a href="index.html">Home Page</a>
<h2>Add New Flight</h2>
<form action="AddFlightServlet" method="get">
<table>
<tr>
<td>Flight ID </td>
<td><input type="text" name="flightId"></td>
</tr>
<tr>
<td>Flight Name</td>
<td><input type="text" name="newflight"></td>
</tr>
<tr>
<td>From</td>
<td><input type="text" name="source"></td>
</tr>
```

```

<tr>
<td>To </td>
<td><input type="text" name="destination"></td>
</tr>
<tr>
<td><h4>Add Fare</h4></td>
<td></td></tr>
<tr>
<td>Economy Class </td>
<td><input type="text" name="eco"></td>
</tr>
<tr>
<td>Business Class </td>
<td><input type="text" name="busi"></td>
</tr>
<tr>
<td>Premium Class </td>
<td><input type="text" name="pre"></td>
</tr>
<tr>
<td>Days</td>
<td><input type="text" name="days"></td>
</tr>
<tr><td><input type="submit" value="Add Flight"></td></tr>
</table>
</form>
</div>
</body>
</html>

```

2. adminChangePassword.html

```

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
</head>
<body>
<form action="ChangePassword.jsp">
<table>
<tr><td>Confirm Username</td>
<td><input type="text" name="adminU" placeholder="Username"
required="required"></td>
</tr>
<tr><td>Confirm Password </td>
<td><input type="text" name="adminPass" placeholder="Password"
required="required"></td>
</tr>
<tr><td></td>
<td><input type="submit" value="Update"></td>
</tr>
</table>
</form>
</body>
</html>

```

3. adminDashboard.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
a{
text-decoration: none;
font-size: 22px;
}
a:link {
color: red;
}
a:visited {
color: green;
}
a:hover {
color: hotpink;
}
a:active {
color: blue;
}
#changePassword{
position: fixed;
top : 20px;
right : 50px;
}
</style>
</head>
<body>
<h3>Master List</h3>
<a href="addFlight.html">Add Flight Details</a>
<a href="srcDstMasterList.jsp">View Source and Destination List</a><br>
<a href="airlinesMasterList.jsp">View AirLines List</a><br>
<a href="Display.jsp">Flight Lists Detials</a>
<div id="changePassword">
<a href="adminChangePassword.html">Change Password </a>
<a href = "index.html">Logout</a>
</div>
</body>
</html>
```

4. adminLogin.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
```

```

body {
background-color: #e6e6e6;
font-size: 22px;
}
</style>
</head>
<body>
<h3>Admin Login</h3>
<form action="AdminLogin" method="post">
Username : <input type="text" name="adminU"><br>
Password : <input type="text" name="adminPass"><br>
<input type="submit" value="LogIn">
</form>
</body>
</html>

```

5. adminRegistration.html

```

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body{
background-color: #e6e6e6;
font-size: 22px;
}
</style>
</head>
<body>
<h3>Admin Login Form</h3>
<div>
<form action="">
<p>Email address</p><br>
<input type="email" name="email" placeholder="email"
required="required"><br>
<p>Password</p>
<input type="password" name="password" placeholder="password"
required="required"><br>
<input type="submit" value="Login">
</form>
</div>
</body>
</html>

```

6. airlinesMasterList.jsp

```

<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<% page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>

```

```

<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body{
background-color: #e6e6e6;
}
h3{
color : #004d99;
}
table {
border-collapse: collapse;
width: 50%;
font-size: 22px;
}
th{
color : #ff33ff;
}
td{
color : #008000;
}
th, td {
text-align: left;
padding: 8px;
}
tr:nth-child(even) {background-color: #99ebff;}
</style>
</head>
<body>
<h3>Master List of AirLines</h3>
<table>
<tr>
<th>Flight Number</th>
<th>AirLines Name</th>
</tr>
<%
String driver= application.getInitParameter("driver");
String url = application.getInitParameter("url");
String user = application.getInitParameter("username");
String pass = application.getInitParameter("password");
String sqlQuery ="select flightId,flightName from flightdetails";
try{
Class.forName(driver);
Connection con = DriverManager.getConnection(url,user,pass);
PreparedStatement stmt = con.prepareStatement(sqlQuery);
ResultSet rs = stmt.executeQuery();
while(rs.next()){ %>
<tr>
<td><%= rs.getInt(1) %> </td>
<td><%= rs.getString(2) %></td>
</tr>
<% }
}
catch(Exception e){
out.println("<h4 style='color:red'>AirLines data does not Exists</h4>");
}
%>
</table>
<a href="adminDashboard.html">Back</a>
</body>
</html>

```

7. ChangePassword.jsp

```
<%@ page import="dao.AdminDAO" %>
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body{
background-color: #e6e6e6;
}
a{
text-decoration: none;
font-size: 22px;
color: #004d99;
}
</style>
</head>
<body>
<h3>Update Password</h3>
<%
String username = request.getParameter("adminU");
String password = request.getParameter("adminPass");
AdminDAO flight = new AdminDAO();
try {
flight.changePassword(username, password);
out.print("<h4 style='color:green'>Password Update Succesfully...</h4>");
}
catch (Exception e){
out.print("<h3 style='color:red'>Failed to Update Password</h3>");
RequestDispatcher rd =
request.getRequestDispatcher("adminChangePassword.html");
rd.include(request, response);
}
%>
<a href="adminDashboard.html">Admin Dashboard</a>
</body>
</html>
```

8. Details.jsp

```
<%@page import="dao.AdminDAO"%>
<%@page import="model.AddFlight"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
```

```

<title>FlyAway</title>
<style type="text/css">
body {
background-image: url('bg1.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
text-align : left;
margin : 15px;
font-size: 20px;
}
h3{
color : #003d99;
}
td{
font-size: 24px;
color : white;
}
input{
background-color: white;
border: 1px solid blue;
color : blue;
}
</style>
</head>
<body>
<form action="userRegistration.html">
<%
AddFlight admin = new AddFlight();
AdminDAO flight = new AdminDAO();
String source = request.getParameter("src");
String destination = request.getParameter("dest");
String travelClass = request.getParameter("class");
String passengerName = request.getParameter("passName");
int traveller = Integer.parseInt(request.getParameter("passengers"));
int totalFare=0;
//based on travelClass and number of traveler entered, it will show the
totalFare
if(travelClass.equalsIgnoreCase("economy") ){
totalFare = flight.getClass(source, destination, traveller);
}
else if(travelClass.equalsIgnoreCase("business")){
totalFare = flight.getBusinesClass(source, destination, traveller);
}
else if(travelClass.equalsIgnoreCase("premium")){
totalFare = flight.getPremiumClass(source, destination, traveller);
}
%>
<h3>Journey Details</h3>
<table>
<tr>
<td>Source</td>
<td>:<%= source %></td>
</tr>
<tr>
<td>Destination</td>
<td>:<%= destination %></td>
</tr>

```

```

<tr>
<td>Class</td>
<td>: <%= travelClass %></td>
</tr>
<tr>
<td>Name of Passenger</td>
<td>: <%= passengerName %></td>
</tr>
<tr>
<td>Number Of Traveler </td>
<td>: <%= traveller %></td>
</tr>
<tr>
<td>Total Fare </td>
<td>: <%= totalFare %></td>
</tr>
<tr>
<td></td>
<td><input type="submit" value="Confirm">
</tr>
</table>
</form>
</body>
</html>

```

9. Display.jsp

```

<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.Connection"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body {
margin : 15px;
font-size: 22px;
background-color: #e6e6e6;
}
table {
border-collapse: collapse;
width: 100%;
}
th, td {
text-align: left;
padding: 8px;
}
tr:nth-child(even) {background-color: #99ebff;}

```



```

#navBar{
position: fixed;
top : 20px;
right : 50px;
}
a{
text-decoration: none;
color : #004d99;
}
</style>
</head>
<body>
<a href="index.html">Home Page</a>
<h3>Flights List</h3>
<div id="">
<table>
<tr>
<th>FlightId</th>
<th>FlightName</th>
<th>Source</th>
<th>Destination</th>
<th>Economy</th>
<th>Business</th>
<th>Premium</th>
<th>Days</th>
</tr>
<%String driver=application.getInitParameter("driver");
String url = application.getInitParameter("url");
String username = application.getInitParameter("username");
String password = application.getInitParameter("password");
String source = "Mumbai";
// String destination="Delhi";
try{
Class.forName(driver);
Connection con = DriverManager.getConnection(url,username,password);
PreparedStatement stmt = con.prepareStatement("select * from
flightdetails");
ResultSet rs = stmt.executeQuery();
while(rs.next()) {
out.print("<tr><td>"+rs.getString(1)+"</td><td>"+rs.getString(2)+"</td><td>"+rs.getString(3)+"</td><td>"+rs.getString(4)+"</td><td>"+rs.getInt(5)+"</td><td>"+rs.getInt(6)+"</td><td>"+rs.getInt(7)+"</td><td>"+rs.getString(8));
out.print("<td></td></tr>");
}
}
catch(Exception e){
out.print(e.getMessage());
}%>
</table>
</div>
<a href="adminDashboard.html">Back</a>
<div id="navBar">
</div>
</body>
</html>

```

10.index.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body{
background-image: url('Airlines.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
background-size: cover;
font-size: 20px;
color: white;
}
h1 {
text-align: center;
font-size: 58px;
}
input[type=submit]{
background-color:white;
color : blue;
border : 1px ;
border-color: blue;
padding : 5px;
}
input[type=reset]{
background-color: white;
color : green;
border : 1px green;
padding : 5px;
}
input[type=text]{
height : 15px;
border : 1px;
border-color: blue;
}
#navigationBar{
position: fixed;
top : 20px;
right : 50px;
}
a{
text-decoration: none;
color : white;
font-size: 28px;
}
</style>
</head>
<body>
<div>
<h1>Welcome to FlyAway</h1>
<h3>Book Flight</h3>
<form id="form" action="Search" method="get">
From : <input id="source" type="text" name="source" placeholder="Enter
Source" required="required">
```

```

To : <input id="destination" type="text" name="destination"
placeholder="Enter Destination" required="required"><br><br>
Travel Date : <input type="date" name="travelDate" placeholder="dd-mm-
yyyy" required="required"><br><br>
<input type="submit" value="Search Flight">
<input type="reset" value="Reset">
</form>
</div>
<div id="navigationBar">
<a href="adminLogin.jsp">Admin Login</a>
</div>
</body>
</html>

```

11.login.html

```

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body{
background-image: url('Airlines.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
background-size: cover;
font-size: 20px;
color: white;
}
</style>
</head>
<body>
<h2>FlyAway User Login</h2>
<div>
<form action="Validate" method="post">
<p>Email Address</p>
<br><input type="text" name="email" placeholder="Enter email "
required="required">
<p>Password</p>
<input type="password" name="password" placeholder="Enter Password"
required="required"><br>
<input type="submit" value="Login">
</form>
</div>
</body>
</html>

```

12. PassengerDetails.jsp

```
<%@page import="model.AddFlight"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body {
background-image: url('bg1.jpg');
background-repeat: no-repeat;
background-attachment: fixed;
text-align : left;
margin : 15px;
font-size: 20px;
}
</style>
</head>
<body>
<%
AddFlight admin = new AddFlight();
//String source = admin.getSource();
//String destination = admin.getDestination();
%>
<form action="Details.jsp">
<h4>Confirm Source and Destination</h4>
<table>
<tr>
<td>Source </td>
<td> <input id="src" type="text" name="src" placeholder="Enter source
again"></td>
</tr>
<tr>
<td>Destination </td>
<td><input id="dest" type="text" name="dest" placeholder="Enter
destination again"></td>
</tr>
<tr>
<td>Enter Class</td>
<td><input type="text" name="class" placeholder="ECO/BUS/PRE"></td>
</tr>
<tr>
<td>Passenger Name</td>
<td><input type="text" name="passName" placeholder="Passenger Name"></td>
</tr>
<tr>
<td>Number of Passengers</td>
<td><input type="text" name="passengers" placeholder="Number of
Passengers"></td>
</tr>
<tr>
<td></td>
<td><input type="submit" value="Submit"></td>
</tr>
```

```
</table>
</form>
</body>
</html>
```

13. payment.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body{
background-color: #e6e6e6;
}
</style>
</head>
<body>
<h3>Payment Page</h3>
<div>
<form action="userInfo.jsp">
<p>Card Holder Name</p><br>
<input type="text" name="cardname" placeholder="Card Holder Name"
required="required"> <br>
<p>Card Number</p><br>
<input type="text" name="cardnum" placeholder="Card Number"
required="required"><br>
<p>Mobile Number</p><br>
<input type="text" name="mblno" placeholder="Mobile Number"
required="required"><br>
<input type="submit" value="Pay">
</form>
</div>
</body>
</html>
```

14.srcDstMasterList.jsp

```
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.sql.DriverManager"%>
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
```

```

<title>FlyAway</title>
<style type="text/css">
body{
background-color: #e6e6e6;
}
h3{
color : #004d99;
}
table {
border-collapse: collapse;
width: 50%;
font-size: 22px;
}
th{
color : #ff33ff;
}
td{
color : #008000;
}
th, td {
text-align: left;
padding: 8px;
}
tr:nth-child(even) {background-color: #99ebff;}
#navBar{
position: fixed;
top : 20px;
right : 50px;
}
</style>
</head>
<body>
<h3>Master List of Source and Destination</h3>
<table>
<tr>
<th>Source</th>
<th>Destination</th>
</tr>
<%
String driver= application.getInitParameter("driver");
String url = application.getInitParameter("url");
String user = application.getInitParameter("username");
String pass = application.getInitParameter("password");
String sqlQuery = "select source,destination from
flightdetails";
try{
Class.forName(driver);
Connection con = DriverManager.getConnection(url,user,pass);
PreparedStatement stmt = con.prepareStatement(sqlQuery);

```

```

ResultSet rs = stmt.executeQuery();
while(rs.next()) {
%>
<tr>
<td><%= rs.getString(1) %></td>
<td><%= rs.getString(2) %></td>
</tr>
<%}
}
catch(Exception e){
out.println("<h4 style='color:red'>Source and Destination data
does not Exists</h4>");
}
%>
</table>
<a href="adminDashboard.html">Back</a>
</body>
</html>

```

15.userInfo.jsp

```

<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body{
background-color: #e6e6e6;
}
p{
color: green;
font-size: 32px;
}
a{
text-decoration: none;
font-size: 18px;
}
</style>
</head>
<body>
<p>Ticket Booked Succesfully</p>
<h3><p>Thank You for Using our Portal</p></h3>
<a href="index.html">Logout</a>
</body>
</html>

```

16.userRegistration.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>FlyAway</title>
<style type="text/css">
body {
margin : 15px;
background-color: #e6e6e6;
font-size: 22px;
}
input[type=submit]{
background-color: white;
border: 1px solid blue;
color : blue;
}
p {
color : blue;
}
</style>
</head>
<body>
<div>
<h3>User Registration Form</h3>
<form action="Registration">
<table>
<tr>
<td>First Name</td>
<td>: <input type="text" name="fname" placeholder="Enter First Name"
required="required"></td>
</tr>
<tr>
<td>Last Name </td>
<td>: <input type="text" name="lname" placeholder="Enter Last Name"
required="required"></td>
</tr>
<tr>
<td>E-mail</td>
<td> : <input type="email" name="email" placeholder="Enter Email"
required="required"></td>
</tr>
<tr>
<td>Password</td>
<td> : <input type="password" name="password" placeholder="Enter Password"
required="required"></td>
</tr>
<tr>
<td>Mobile Number</td>
<td> : <input type="text" name="mbl_no" placeholder="Enter Mobile No."
required="required"></td>
</tr>
<tr><td></td>
<td><input type="submit" value="Register"></td>
```



```
</table>
<p>Already Have an Account?<a href="login.html">Login</a></p>
</form>
</div>
</body>
</html>
```

JAVA Code

Model Class

1. AddFligh.java

```
package model;
public class AddFlight {
private int flightId;
private String flightName;
private String source;
private String destination;
private int economy;
private int business;
private int premium;
private String days;
public AddFlight() {
}
public int getFlightId() {
return flightId;
}
public void setFlightId(int flightId) {
this.flightId = flightId;
}
public String getFlightName() {
return flightName;
}
public void setFlightName(String flightName) {
this.flightName = flightName;
}
public String getSource() {
return source;
}
public void setSource(String source) {
this.source = source;
}
public String getDestination() {
return destination;
}
public void setDestination(String destination) {
this.destination = destination;
}
public int getEconomy() {
return economy;
}
public void setEconomy(int economy) {
this.economy = economy;
}
```

```

}
public int getBusiness() {
return business;
}
public void setBusiness(int business) {
this.business = business;
}
public int getPremium() {
return premium;
}
public void setPremium(int premium) {
this.premium = premium;
}
public String getDays() {
return days;
}
public void setDays(String days) {
this.days = days;
}
public AddFlight(String flightName, String source, String destination, int
economy, int business, int premium,
String days) {
super();
this.flightName = flightName;
this.source = source;
this.destination = destination;
this.economy = economy;
this.business = business;
this.premium = premium;
this.days = days;
}
public AddFlight(int flightId, String flightName, String source, String
destination, int economy, int business,
int premium, String days) {
super();
this.flightId = flightId;
this.flightName = flightName;
this.source = source;
this.destination = destination;
this.economy = economy;
this.business = business;
this.premium = premium;
this.days = days;
}
@Override
public String toString() {
return "AddFlight [flightId=" + flightId + ", flightName=" + flightName +
", source=" + source
+ ", destination=" + destination + ", economy=" + economy + ", business="
+ business + ", premium="
+ premium + ", days=" + days + "];"
}
}

```

DAO Classes :-

1. AdminDAO.java

```
package dao;
import model.AddFlight;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

public class AdminDAO {

    static String driver="com.mysql.cj.jdbc.Driver";
    static String url="jdbc:mysql://localhost:3306/flyaway";
    static String user = "root";
    static String pass = "Nikhil";

    //method to add flight details
    public void addFlightDetails(AddFlight addAdmin) throws SQLException{
        String driver="com.mysql.cj.jdbc.Driver";
        String url="jdbc:mysql://localhost:3306/flyaway";
        String user = "root";
        String pass = "Nikhil";
        String insertQuery="insert into flightdetails
values(?,?,?, ?, ?, ?, ?, ?)";
        try {
            Class.forName(driver);
            Connection con =
DriverManager.getConnection(url,user,pass);
            PreparedStatement stmt = con.prepareStatement(insertQuery);

            stmt.setInt(1, addAdmin.getFlightId());
            stmt.setString(2, addAdmin.getFlightName());
            stmt.setString(3, addAdmin.getSource());
            stmt.setString(4, addAdmin.getDestination());
            stmt.setInt(5, addAdmin.getEconomy());
            stmt.setInt(6, addAdmin.getBusiness());
            stmt.setInt(7, addAdmin.getPremium());
            stmt.setString(8, addAdmin.getDays());
            stmt.executeUpdate();
            stmt.close();con.close();
        } catch (Exception e) {
            e.printStackTrace();
        }

    }

    //method to search source and destination
    public static AddFlight searchSourceDestination(String source, String
Destination) {
        AddFlight addAdmin = null;

        try {
            Class.forName(driver);
            Connection con = DriverManager.getConnection(url,user,pass);
```

```

        PreparedStatement stmt = con.prepareStatement("select * from
flightdetails where source=? and destination=?");

        stmt.setString(1, source);
        stmt.setString(2, Destination);

        ResultSet rs= stmt.executeQuery();

        while(rs.next()) {
            int flightId = rs.getInt("flightId");
            String flightName = rs.getString("flightName");
            String src = rs.getString("source");
            String dest = rs.getString("destination");
            int economy = rs.getInt("economy");
            int business = rs.getInt("business");
            int premium = rs.getInt("premium");
            String days = rs.getString("days");
            addAdmin = new
AddFlight(flightId,flightName, source, Destination, economy, business, premium,
days);

            addAdmin.setFlightId(rs.getInt(1));
            addAdmin.setFlightName(rs.getString(2));
            addAdmin.setSource(rs.getString(3));
            addAdmin.setDestination(rs.getString(4));
            addAdmin.setEconomy(rs.getInt(5));
            addAdmin.setBusiness(rs.getInt(6));
            addAdmin.setPremium(rs.getInt(7));
            addAdmin.setDays(rs.getString(8));

        }
    }catch (Exception e) {
        System.out.println(e.getMessage());
    }

    return addAdmin;
}

//method to get economy class fare
public int getClass(String source,String destination,int traveler) {
    int totalFare;
    try {
        Class.forName(driver);
        Connection con = DriverManager.getConnection(url,user,pass);
        PreparedStatement stmt = con.prepareStatement("select economy
from flightdetails where source=? and destination=?");

        stmt.setString(1, source);
        stmt.setString(2, destination);

        ResultSet rs = stmt.executeQuery();

```

```

        if(rs.next()) {
            AddFlight admin = new AddFlight();
            int eco=rs.getInt(1);

            admin.setEconomy(eco);
            totalFare = traveler*rs.getInt(1);

            return totalFare;
        }
    } catch (Exception e) {
        System.out.println(e.getMessage());
    }

    return 0;
}

```

//method to get business class fare

```

public int getBusinesClass(String source,String destination,int traveler)
{
    int totalFare;
    try {
        Class.forName(driver);
        Connection con = DriverManager.getConnection(url,user,pass);
        PreparedStatement stmt = con.prepareStatement("select business
from flightdetails where source=? and destination=?");

        stmt.setString(1, source);
        stmt.setString(2, destination);

        ResultSet rs = stmt.executeQuery();

        if(rs.next()) {
            AddFlight admin = new AddFlight();
            int business=rs.getInt(1);

            admin.setBusiness(business);
            totalFare = traveler*rs.getInt(1);

            return totalFare;
        }
    } catch (Exception e) {
        System.out.println(e.getMessage());
    }

    return 0;
}

```

//method to get premium class fare

```

public int getPremiumClass(String source,String destination,int traveler)
{
    int totalFare;
    try {
        Class.forName(driver);
        Connection con = DriverManager.getConnection(url,user,pass);
        PreparedStatement stmt = con.prepareStatement("select premium
from flightdetails where source=? and destination=?");

```

```

        stmt.setString(1, source);
        stmt.setString(2, destination);

        ResultSet rs = stmt.executeQuery();

        if(rs.next()) {
            AddFlight admin = new AddFlight();
            int pre=rs.getInt(1);

            admin.setPremium(pre);
            totalFare = traveler*rs.getInt(1);

            return totalFare;
        }
    } catch (Exception e) {
        System.out.println(e.getMessage());
    }

    return 0;
}

//method for admin login
public boolean adminLogin(String email,String password) {

    try {
        Class.forName(driver);
        Connection con = DriverManager.getConnection(url,user,pass);
        PreparedStatement stmt = con.prepareStatement("select * from
admin where email=? and password=?");

        stmt.setString(1, email);
        stmt.setString(2, password);

        ResultSet rs = stmt.executeQuery();

        if(rs.next()) {
            return true;
        }
    }catch (Exception e) {
        // TODO: handle exception
        System.out.println(e.getMessage());
    }

    return false;
}

//method to update admin password
public boolean changePassword(String email,String password) {

    try {
        Class.forName(driver);
        Connection con = DriverManager.getConnection(url,user,pass);
        PreparedStatement stmt = con.prepareStatement("update admin set
password=? where email=?");

```

```

        stmt.setString(1, password);
        stmt.setString(2, email);

        stmt.executeUpdate();
        stmt.close();
    } catch (Exception e) {
        // TODO: handle exception
        System.out.println(e.getMessage());
    }

    return false;
}

}

```

2. UserDAO.java

```

package dao;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;

public class UserDAO {

    static String driver="com.mysql.cj.jdbc.Driver";
    static String url="jdbc:mysql://localhost:3306/flyaway";
    static String user = "root";
    static String pass = "Nikhil";

    public boolean userLogin(String email,String password) {

        try {
            Class.forName(driver);
            Connection con =
DriverManager.getConnection(url,user,pass);
            PreparedStatement stmt = con.prepareStatement("select *
from userdetails where email=? and password=?");

            stmt.setString(1, email);
            stmt.setString(2, password);

            ResultSet rs = stmt.executeQuery();

            if(rs.next()) {
                return true;
            }
        }
    }
}

```

```

        }catch (Exception e) {
            // TODO: handle exception
            System.out.println(e.getMessage());
        }

        return false;
    }
}

```

Controller Classes

1. AddFlightServlet.java

```
package com;
```

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.SQLException;
```

```
import javax.servlet.ServletContext;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

```
import model.AddFlight;
import dao.AdminDAO;
```

```
@WebServlet("/AddFlightServlet")
public class AddFlightServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
```

```
    public AddFlightServlet() {
        super();
        // TODO Auto-generated constructor stub
    }
```

```
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
```



```

ServletContext context = getServletContext();
String driver = context.getInitParameter("driver");
String url = context.getInitParameter("url");
String user = context.getInitParameter("username");
String password = context.getInitParameter("password");

String flightId = request.getParameter("flightId");
String flightname = request.getParameter("newflight");
String source = request.getParameter("source");
String destination = request.getParameter("destination");
int economy = Integer.parseInt(request.getParameter("eco"));
int business = Integer.parseInt(request.getParameter("busi"));
int premium = Integer.parseInt(request.getParameter("pre"));
String days = request.getParameter("days");

PrintWriter out = response.getWriter();

try {
    insertUser(request,response);
    out.print("<body style = 'background-color : #66d9ff;'>");
    out.print("<h3>Flight Details Added Succesfully...</h3><br>");
    out.print("<h3><a href='addFlight.html'>Add Flight</a></h3>");
    out.print("</body>");
} catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
} catch (IOException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}

}

```

```

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
    // TODO Auto-generated method stub
    doGet(request, response);
}

```

```

private void insertUser(HttpServletRequest request,HttpServletResponse responses) throws
SQLException,IOException{
    int flightId = Integer.parseInt(request.getParameter("flightId"));
    String flightname = request.getParameter("newflight");
    String source = request.getParameter("source");
    String destination = request.getParameter("destination");
    int economy = Integer.parseInt(request.getParameter("eco"));
    int business = Integer.parseInt(request.getParameter("busi"));
}

```

```

        int premium = Integer.parseInt(request.getParameter("pre"));
        String days = request.getParameter("days");
        AdminDAO f = new AdminDAO();
        AddFlight addAdmin = new
AddFlight(flightId,flightname,source,destination,economy,business,premium,days);

        f.addFlightDetails(addAdmin);

    }
}

```

2. AdminLogin.java

```

package com;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import dao.AdminDAO;

@WebServlet("/AdminLogin")
public class AdminLogin extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public AdminLogin() {
        super();
        // TODO Auto-generated constructor stub
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

        String email = request.getParameter("adminU");
        String password = request.getParameter("adminPass");
        AdminDAO flight = new AdminDAO();
        PrintWriter out = response.getWriter();
        if(email != null && password != null) {

```

```

        if(flight.adminLogin(email, password)) {

            response.sendRedirect("adminDashboard.html");
        }
        else {
            out.print("<h4 style='color:red'>Invalid usesrname or password</h4>");
            RequestDispatcher rd = request.getRequestDispatcher("adminLogin.jsp");
            rd.include(request, response);
        }
    }
    else {
        out.print("Enter some input..");
        response.sendRedirect("adminLogin.jsp");
    }
}
}
}

```

3. Registration.java

```

package com;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.*;
import javax.servlet.ServletContext;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import model.AddFlight;
import dao.AdminDAO;

@WebServlet("/Registration")
public class Registration extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public Registration() {
        super();
        // TODO Auto-generated constructor stub
    }
}

```

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

```
    ServletContext context = getServletContext();
    String driver = context.getInitParameter("driver");
    String url = context.getInitParameter("url");
    String username = context.getInitParameter("username");
    String pass = context.getInitParameter("password");
    PrintWriter out = response.getWriter();

    //Grabing values from html page
    String firstName = request.getParameter("fname");
    String lastName = request.getParameter("lname");
    String email = request.getParameter("email");
    String password = request.getParameter("password");
    int mobileNo = Integer.parseInt(request.getParameter("mbl_no"));

    try {
        Class.forName(driver);
        Connection con = DriverManager.getConnection(url,username,pass);
        PreparedStatement stmt = con.prepareStatement("insert into userdetails
values(?,?,?,?,?)");

        stmt.setString(1, firstName);
        stmt.setString(2, lastName);
        stmt.setString(3, email);
        stmt.setString(4, password);
        stmt.setInt(5, mobileNo);

        stmt.executeUpdate();
        stmt.close();con.close();

        out.println("<h3 style='color:green'>User Added Succesfully...</h3>");
        response.sendRedirect("payment.html");
    } catch (Exception e) {
        out.println("<h4 style='color:red'>Failed to add User</h4>");
        out.println("<a href='userRegistration.html'>Try Again</a>");
    }
}
```

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

}

```
}
```

4. Search.java

```
package com;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import javax.servlet.ServletContext;
```

```
import javax.servlet.ServletException;
```

```
import javax.servlet.annotation.WebServlet;
```

```
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
```

```
import dao.AdminDAO;
```

```
import model.AddFlight;
```

```
@WebServlet("/Search")
```

```
public class Search extends HttpServlet {
```

```
    private static final long serialVersionUID = 1L;
```

```
    public Search() {
```

```
        super();
```

```
    }
```

```
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws  
ServletException, IOException {
```

```
        ServletContext context = getServletContext();
```

```
        String driver = context.getInitParameter("driver");
```

```
        String url = context.getInitParameter("url");
```

```
        String username = context.getInitParameter("username");
```

```
        String password = context.getInitParameter("password");
```

```
        String source = request.getParameter("source");
```

```
        String destination = request.getParameter("destination");
```

```
        PrintWriter out = response.getWriter();
```

```
        AdminDAO admin = new AdminDAO();
```

```
        AddFlight addAdmin = new AddFlight();
```

```

try {

    addAdmin=admin.searchSourceDestination(source, destination);

    if(source!= null && destination!= null){

        admin.searchSourceDestination(source, destination);
        out.println("<body style='background-color : #e6e6e6; font-size : 40px; margin-
top:30px'>");
        out.println("<a href='index.html'>Back</a>");
        out.print("<form action='PasengerDetails.jsp'>");

        out.print("<table><tr><th>FlightId</th><th>FlightName</th><th>Source</th><th>Destination</th>"
        +"<th>Economy</th><th>Business</th><th>Premium</th><th>Days</th></tr>");

        out.print("<tr><td>" +addAdmin.getFlightId()+"</td><td>" +addAdmin.getFlightName()+" </td><td>"
        +" +addAdmin.getSource()+"</td><td>"

        +addAdmin.getDestination()+"</td><td>" +addAdmin.getEconomy()+"</td><td>" +addAdmin.getBusine
ss()+"</td><td>" +addAdmin.getPremium()+"</td><td>" +addAdmin.getDays()+"</td>");
        out.print("<td><input type='submit' value='Book Now'></td></tr>");
        out.print("</table></form></body>");
    }
    else {
        out.println("<h4 style='color:red'>No Flights Found on this route</h4>");

    }
}
catch(Exception e) {
    System.out.println(e.getMessage());
}

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {

}

}

```

5. Validate.java

```

package com;

import java.io.IOException;

```

```
import java.io.PrintWriter;
```

```
import javax.servlet.RequestDispatcher;  
import javax.servlet.ServletContext;  
import javax.servlet.ServletException;  
import javax.servlet.annotation.WebServlet;  
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;
```

```
import dao.AdminDAO;  
import dao.UserDAO;  
import model.AddFlight;
```

```
@WebServlet("/Validate")  
public class Validate extends HttpServlet {  
    private static final long serialVersionUID = 1L;
```

```
    public Validate() {  
        super();  
        // TODO Auto-generated constructor stub  
    }
```

```
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws  
ServletException, IOException {  
        // TODO Auto-generated method stub  
        response.getWriter().append("Served at: ").append(request.getContextPath());  
    }
```

```
    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws  
ServletException, IOException {
```

```
        ServletContext context = getServletContext();  
        String driver = context.getInitParameter("driver");  
        String url = context.getInitParameter("url");  
        String username = context.getInitParameter("username");  
        String pass = context.getInitParameter("password");
```

```
        String email= request.getParameter("email");  
        String password = request.getParameter("password");  
        PrintWriter out = response.getWriter();
```

```
        AddFlight admin = new AddFlight();  
        UserDAO userDao = new UserDAO();
```

```
try {
    if(email != null && password != null) {
        if(userDao.userLogin(email, password)) {
            RequestDispatcher rd = request.getRequestDispatcher("payment.html");
            rd.forward(request, response);
        }
        else {
            out.print("<h3 style='color :red'>Invalid username or password...</h3>");
            RequestDispatcher rd = request.getRequestDispatcher("login.html");
            rd.include(request, response);
        }
    }
    else {
        out.print("Please enter some input");
    }
}
catch (Exception e) {
    System.out.println(e.getMessage());
}
}
```