

Phase 2 Project

Airline Booking System

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Source Code:

DatabaseConnection.java

```
package com.airline.dbconnection;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

public class DatabaseConnection {
    private Connection conn;

    public DatabaseConnection() throws ClassNotFoundException, SQLException {
        Class.forName("com.mysql.jdbc.Driver");
        this.conn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/airlinebooking", "root", "root");
        // attempts to establish a connection to the database by using the given database
URL
    }

    public Connection getConnection() {
        return this.conn;
    }

    public void closeConnection() throws SQLException {
        this.conn.close();
    }
}
```

Index.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<style>
body{
background: black;
}
h1 {
    text-align: center;
    margin-top: 150px;
    color:white;
}
```

```

.button {
    background-color: #4CAF50; /* Green */
    border: none;
    color: white;
    padding: 16px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin: 4px 2px;
    transition-duration: 0.4s;
    cursor: pointer;
    width: 175%;
    border-radius: 8px;
}

.button1 {
    background-color: white;
    color: black;
    border: 2px solid #4CAF50;
}

.button1:hover {
    background-color: #4CAF50; /* Green */
    color: white;
}

.form {
    position: absolute;
    top: 50%;
    left: 50%;
    margin: -100px 0 0 -100px;
}

</style>
<title>ABS</title>
</head>
<body>
    <h1>AIRLINE BOOKING SYSTEM</h1>
    <div class="form">
        <form action="userLogin.jsp" method="post">
            <button class="button button1">User</button>
        </form>
        <form action="adminLogin.jsp" method="post">
            <button class="button button1">Admin</button>
        </form>
    </div>
</body>
</html>

```

Userlogin.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Log In.</title>
<style>
body {

```

```

        background: black;
    }

input[type=email] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
    border: 2px solid black;
    border-radius: 4px;
}

input[type=email]:focus {
    background-color: lightblue;
}

input[type=password] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
    border: thin;
}

input[type=password]:focus {
    background-color: lightblue;
}

input[type=submit] {
    border: 2px solid black;
    color: black;
    padding: 16px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin: 2px 2px;
    transition-duration: 0.4s;
    cursor: pointer;
    width: 100%;
    border-radius: 8px;
}

input[type=submit]:hover {
    background-color: #4CAF50; /* Green */
    color: white;
}

.form {
    position: absolute;
    top: 30%;
    left: 30%;
    right: 30%;
    bottom: 30%;
    margin: -10px 0 0 -10px;
}

h3 {
    color: white;
}

```

```

}
</style>
</head>
<body>

    <div class="form">
        <h3>User Login</h3>
        <form action="Login.jsp" method="post">
            <input type="radio" id="LoginType" name="LoginType"
value="USER"
                checked="checked" style="border: none; text-align:
center; visibility: hidden;">
            <input type="email" name="userEmail" id="userEmail"
placeholder="E-MAIL"> <input
                type="password" name="userPsw" id="userPsw"
placeholder="PASSWORD"> <input type="submit" value="SUBMIT">
            </form>
        </div>
</body>
</html>

```

adminlogin.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Log In.</title>
<style>
body {
    background: black;
}

input[type=email] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
    border: 2px solid black;
    border-radius: 4px;
}

input[type=text]:focus {
    background-color: lightblue;
}

input[type=password] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
}

input[type=password]:focus {
    background-color: lightblue;
}

```

```

input[type=submit] {
    border: 2px solid black;
    color: black;
    padding: 16px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin: 4px 2px;
    transition-duration: 0.4s;
    cursor: pointer;
    width: 100%;
    border-radius: 8px;
}

input[type=submit]:hover {
    background-color: #4CAF50; /* Green */
    color: white;
}

.form {
    position: absolute;
    top: 30%;
    left: 30%;
    right: 30%;
    bottom: 30%;
    margin: -10px 0 0 -10px;
}

h3 {
    color: white;
}

</style>
</head>
<body>

    <div class="form">
        <h3>Admin Login</h3>
        <form action="login.jsp" method="post">
            <input type="radio" id="LoginType" name="LoginType"
value="ADMIN"
                checked="checked"
                style="border: none; text-align: center; visibility:
hidden;">
            <input type="email" name="adminEmail" placeholder="E-MAIL">
            <input type="password" name="adminPsw" placeholder="PASSWORD">
            <input type="submit" value="SUBMIT">
        </form>
    </div>
</body>
</html>

```

Login.jsp

```

<%@page import="com.airline.Login.Login"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page
    import="java.io.*,java.util.*,java.sql.*, com.mysql.jdbc.Driver"%>
<%@ page import="javax.servlet.http.*,javax.servlet.*"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix="sql"%>
<%@ taglib prefix="fmt" uri="http://java.sun.com/jsp/jstl/fmt"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

    <%
        Login login = new Login();

        String loginType = request.getParameter("loginType");
        if (loginType.equals("USER")) {

            String userEmail = request.getParameter("userEmail");
            String userPsw = request.getParameter("userPsw");
            Boolean userValidate = login.personLogin(loginType, userEmail,
userPsw);

            if (userValidate == true) {

                /* request.getSession().setAttribute("userEmail", userEmail);

                session.setAttribute("userEmail", userEmail);
                response.sendRedirect("flightSearch.jsp");
            } else {
                response.sendRedirect("userLogin.jsp");
            }

        } else {
            String adminEmail = request.getParameter("adminEmail");
            String adminPsw = request.getParameter("adminPsw");
            Boolean adminValidate = login.personLogin(loginType, adminEmail,
adminPsw);

            if (adminValidate == true) {
                /* session.setAttribute("adminEmail", adminEmail); */
                request.getSession().setAttribute("adminEmail", adminEmail);

                request.getRequestDispatcher("changePassword.jsp").forward(request,
response);

            } else {
                response.sendRedirect("adminLogin.jsp");
            }
        }
    %>

```

```
    }  
}  
%>  
</body>  
</html>
```

Login.Java

```
package com.airline.login;  
  
import java.sql.PreparedStatement;  
import java.sql.ResultSet;  
import java.sql.SQLException;  
  
import com.airline.dbconnection.DatabaseConnection;  
  
import com.mysql.jdbc.Connection;  
  
public class Login {  
  
    public boolean personLogin(String loginType, String email, String password) {  
        DatabaseConnection db;  
        PreparedStatement ps;  
        ResultSet rs;  
        try {  
            db = new DatabaseConnection();  
            java.sql.Connection conn = db.getConnection();  
  
            if (loginType.equals("USER")) {  
                ps = conn.prepareStatement("SELECT * FROM userlogin WHERE  
userEmail= ? AND userPassword = ?");  
                ps.setString(1, email);  
                ps.setString(2, password);
```

```

        rs = ps.executeQuery();

        if (rs.next()) {
            System.out.println("True-----");
            return true;
        }

    }

    else {

        ps = conn.prepareStatement("SELECT * FROM adminlogin WHERE
userEmail= ? AND userPassword = ?");

        ps.setString(1, email);
        ps.setString(2, password);
        rs = ps.executeQuery();

        if (rs.next()) {
            System.out.println("True-----");
            return true;
        }

    }

} catch (ClassNotFoundException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
} catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}

return false;

```



```

    }
}

flightSearch.jsp

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
body {
    background: black;

}

h1 {
    text-align: center;
    margin-top: 150px;
    color: white;

}

input[type=date] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
    border: 2px solid black;
    border-radius: 4px;

}

input[type=date]:focus {
    background-color: lightblue;

}

input[type=number] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
    border: 2px solid black;
    border-radius: 4px;

}

input[type=number]:focus {
    background-color: lightblue;

}

input[type=text] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
    border: 2px solid black;
    border-radius: 4px;

}

```

```

input[type=text]:focus {
    background-color: lightblue;
}

input[type=submit] {
    border: 2px solid black;
    color: black;
    padding: 16px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin: 2px 2px;
    transition-duration: 0.4s;
    cursor: pointer;
    width: 100%;
    border-radius: 8px;
}

input[type=submit]:hover {
    background-color: #4CAF50; /* Green */
    color: white;
}

.form {
    position: absolute;
    top: 30%;
    left: 30%;
    right: 30%;
    bottom: 30%;
    margin: -10px 0 0 -10px;
}
</style>
</head>
<body>
    <h1>AIRLINE BOOKING SYSTEM</h1>
    <div class="form">
        <form action="flightPage.jsp" method="GET" id="search">
            <h4 style="color: white;">Date of Travel:</h4>
            <input type="date" name="date" placeholder="Date of Travel">
            <input type="text" name="from" id="from" placeholder="From: ">
            <input type="text" name="to" id="to" placeholder="To: ">
            <input
                type="number" name="noOfPassengers" id="noOfPassengers"
                placeholder="Number of Ticks required" />
            <input
                type="submit"
                value="Search" />
        </form>
    </div>
</body>
</html>

```

FlightPage.jsp

```

<%@page import="com.airline.flights.Flights"%>
<%@page import="com.airline.dbconnection.DatabaseConnection"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="java.sql.PreparedStatement" %>

```

```

<%@page import="java.sql.ResultSet" %>
<%@page import="java.util.Map" %>
<%@page import="java.util.HashMap" %>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

    <%

        String dateOfTravel = request.getParameter("date");
        String from = request.getParameter("from");
        String to = request.getParameter("to");
        int noOfPassengers =
Integer.parseInt(request.getParameter("noOfPassengers"));

        Flights flight = new Flights();
        flight.fetchFlights(dateOfTravel,from,to,noOfPassengers, request,response);

    %>
</body>
</html>

```

Flights.java

```

package com.airline.flights;

import java.io.IOException;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.airline.dbconnection.DatabaseConnection;

```

```
public class Flights {  
    HttpServletRequest request;  
    HttpServletResponse response;  
  
    private int flightNo;  
    private String airlineName;  
    private String flightClass;  
    private String leavingFrom;  
    private String goingTo;  
    private String departureTime;  
    private String arrivalTime;  
    private int totalSeats;  
    private int bookedSeats;  
    private int availableSeats;  
    private String dateOfTravel;  
    private int price;  
  
    public int getFlightNo() {  
        return flightNo;  
    }  
  
    public void setFlightNo(int flightNo) {  
        this.flightNo = flightNo;  
    }  
  
    public String getAirlineName() {  
        return airlineName;  
    }  
  
    public void setAirlineName(String airlineName) {
```

```
        this.airlineName = airlineName;
    }

    public String getFlightClass() {
        return flightClass;
    }

    public void setFlightClass(String flightClass) {
        this.flightClass = flightClass;
    }

    public String getLeavingFrom() {
        return leavingFrom;
    }

    public void setLeavingFrom(String leavingFrom) {
        this.leavingFrom = leavingFrom;
    }

    public String getGoingTo() {
        return goingTo;
    }

    public void setGoingTo(String goingTo) {
        this.goingTo = goingTo;
    }

    public String getDepartureTime() {
        return departureTime;
    }
}
```

```
public void setDepartureTime(String departureTime) {  
    this.departureTime = departureTime;  
}
```

```
public String getArrivalTime() {  
    return arrivalTime;  
}
```

```
public void setArrivalTime(String arrivalTime) {  
    this.arrivalTime = arrivalTime;  
}
```

```
public int getTotalSeats() {  
    return totalSeats;  
}
```

```
public void setTotalSeats(int totalSeats) {  
    this.totalSeats = totalSeats;  
}
```

```
public int getBookedSeats() {  
    return bookedSeats;  
}
```

```
public void setBookedSeats(int bookedSeats) {  
    this.bookedSeats = bookedSeats;  
}
```

```
public int getAvailableSeats() {  
    return availableSeats;  
}
```

```
public void setAvailableSeats(int availableSeats) {  
    this.availableSeats = availableSeats;  
}
```

```
public String getDateOfTravel() {  
    return dateOfTravel;  
}
```

```
public void setDateOfTravel(String dateOfTravel) {  
    this.dateOfTravel = dateOfTravel;  
}
```

```
public int getPrice() {  
    return price;  
}
```

```
public void setPrice(int price) {  
    this.price = price;  
}
```

```
/*  
 * public void fetchFlights(String dateOfTravel, String from, String to, int  
 * noOfPassengers, HttpServletRequest request, HttpServletResponse response)  
 * throws javax.servlet.ServletException, IOException {  
 *  
 * DatabaseConnection db; PreparedStatement ps; ResultSet rs;  
 * System.out.println(dateOfTravel + "----" + from + "-----" + to);  
 * Map<Integer, Flights> flights = new HashMap<Integer, Flights>(); try { db =  
 * new DatabaseConnection(); java.sql.Connection conn = db.getConnection();  
 *
```

```

* ps = conn.prepareStatement(
* "SELECT * FROM flights WHERE dateOfTravel= ? AND leavingFrom = ? AND goingTo = ?"
* ); ps.setString(1, dateOfTravel); ps.setString(2, from); ps.setString(3, to);
* rs = ps.executeQuery();
*
* while (rs.next()) {
*
* Flights flight = new Flights(); flight.setFlightNo(rs.getInt(1));
* flight.setAirlineName(rs.getString(2));
* flight.setFlightClass(rs.getString(3));
* flight.setLeavingFrom(rs.getString(4)); flight.setGoingTo(rs.getString(5));
*
* flight.setDepartureTime(rs.getString(6));
* flight.setArrivalTime(rs.getString(7));
*
* flight.setTotalSeats(rs.getInt(8)); flight.setBookedSeats(rs.getInt(9));
* flight.setAvailableSeats(rs.getInt(10));
* flight.setDateOfTravel(rs.getString(11)); flight.setPrice(rs.getInt(12));
* flights.put(flight.getFlightNo(), flight);
*
* }
*
* request.getSession().setAttribute("noOfPassengers", noOfPassengers);
* request.getSession().setAttribute("flights", flights);
* request.getSession().setAttribute("flightList", new
* ArrayList<>(flights.values()));
*
* request.getRequestDispatcher("flightResults.jsp").forward(request, response);
*
* } catch (ClassNotFoundException e) { // TODO Auto-generated catch block
* e.printStackTrace(); } catch (SQLException e) { // TODO Auto-generated catch

```



```

* block e.printStackTrace(); }
*
* }
*/

public void fetchFlights(String dateOfTravel, String from, String to, int noOfPassengers,
                        HttpServletRequest request, HttpServletResponse response)
                        throws javax.servlet.ServletException, IOException {

    DatabaseConnection db;
    PreparedStatement ps;
    ResultSet rs;

    System.out.println(dateOfTravel + "----" + from + "-----" + to);
    List< Flights> flights = new ArrayList<Flights>();
    try {
        db = new DatabaseConnection();
        java.sql.Connection conn = db.getConnection();

        ps = conn.prepareStatement(
            "SELECT * FROM flights WHERE dateOfTravel= ? AND
leavingFrom = ? AND goingTo = ?");

        ps.setString(1, dateOfTravel);
        ps.setString(2, from);
        ps.setString(3, to);
        rs = ps.executeQuery();

        while (rs.next()) {

            Flights flight = new Flights();
            flight.setFlightNo(rs.getInt(1));
            flight.setAirlineName(rs.getString(2));
            flight.setFlightClass(rs.getString(3));

```

```

        flight.setLeavingFrom(rs.getString(4));
        flight.setGoingTo(rs.getString(5));

        flight.setDepartureTime(rs.getString(6));
        flight.setArrivalTime(rs.getString(7));

        flight.setTotalSeats(rs.getInt(8));
        flight.setBookedSeats(rs.getInt(9));
        flight.setAvailableSeats(rs.getInt(10));
        flight.setDateOfTravel(rs.getString(11));
        flight.setPrice(rs.getInt(12));
        flights.add(flight);

    }

    request.getSession().setAttribute("noOfPassengers", noOfPassengers);
    request.getSession().setAttribute("flightList", flights);

    request.getRequestDispatcher("flightResults.jsp").forward(request,
response);

    } catch (ClassNotFoundException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    } catch (SQLException e) {
        // TODO Auto-generated catch block
        e.printStackTrace();
    }

}

```

```

    public void fetchSelectedFlight(int selectedFlightNo, HttpServletRequest request,
    HttpServletResponse response)

        throws javax.servlet.ServletException, IOException {

    DatabaseConnection db;

    PreparedStatement ps;

    ResultSet rs;

    try {

        db = new DatabaseConnection();

        java.sql.Connection conn = db.getConnection();

        ps = conn.prepareStatement("SELECT * FROM flights WHERE flightNo= ? ");
        ps.setInt(1, selectedFlightNo);

        rs = ps.executeQuery();

        //out.println("-----^^^^^^-----"+rs.getString(2));
        Flights selectedFlight = new Flights();
        if (rs.next()) {

            System.out.println(rs.getString(2));
            selectedFlight.setFlightNo(rs.getInt(1));
            selectedFlight.setAirlineName(rs.getString(2));
            selectedFlight.setFlightClass(rs.getString(3));
            selectedFlight.setLeavingFrom(rs.getString(4));
            selectedFlight.setGoingTo(rs.getString(5));

            selectedFlight.setDepartureTime(rs.getString(6));
            selectedFlight.setArrivalTime(rs.getString(7));

            selectedFlight.setTotalSeats(rs.getInt(8));

```

```

        selectedFlight.setBookedSeats(rs.getInt(9));
        selectedFlight.setAvailableSeats(rs.getInt(10));
        selectedFlight.setDateOfTravel(rs.getString(11));
        selectedFlight.setPrice(rs.getInt(12));

    }

    request.getSession().setAttribute("selectedFlight", selectedFlight);
    request.getSession().setAttribute("flightNo", selectedFlight.flightNo);

    request.getRequestDispatcher("register.jsp").forward(request, response);

} catch (ClassNotFoundException e) {
    // TODO Auto-generated catch block

    e.printStackTrace();
} catch (SQLException e) {
    // TODO Auto-generated catch block

    e.printStackTrace();
}
}
}
}

```

flightResult.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>

```

```

#flightTable {
  font-family: Arial, Helvetica, sans-serif;
  border-collapse: collapse;
  width: 100%;
  color:white;
}

#flightTable td, #flightTable th {
  border: 1px solid #ddd;
  padding: 8px;
}

#flightTable tr:nth-child(even) background-color: #f2f2f2;

#flightTable tr:hover {background-color: #ddd;}

#flightTable th {
  padding-top: 12px;
  padding-bottom: 12px;
  text-align: left;
  background-color: #04AA6D;
  color: white;
}
body{
  background-color: black;
}
</style>
</head>
<body>
  <c:choose>
    <c:when test="${flights.isEmpty()}">
      <p>Sorry, no flights available according to search
criteria.</p>
      <a href="flightSearch.jsp">Go back</a>
    </c:when>
    <c:otherwise>
      <table style="border: 1px solid black;" id="flightTable">
        <tr style="text-align: center;">
          <th>Flight Number</th>
          <th>Airline Name</th>
          <th>Class</th>
          <th>Leaving From</th>
          <th>Going To</th>
          <th>Departure Time</th>
          <th>Arrival Time</th>
          <th>Total Seats</th>
          <th>Booked Seats</th>
          <th>Seat Availability</th>
          <th>Travel Date</th>
          <th>Price</th>
        </tr>

        <!-- <c:forEach var="object" items="${flightList}">
          <tr>
            <c:forEach var="field"
items="${object['class'].declaredFields}">
              <c:catch>

```

```

                                <c:choose>
                                <c:when
test="${field.name == 'flightNo' }">
                                <td
                                <c:set
                                var="flightNumberLink" value="selectedFlight.jsp?value=${object.flightNo}" />
                                <a
                                href="${flightNumberLink}">${object.flightNo}</a>
                                </td>
                                </c:when>
                                <c:otherwise>
                                <td
                                </td>
                                </c:otherwise>
                                </c:choose>
                                </c:catch>
                                </c:forEach>
                                </tr>
                                </c:forEach> --%>
                                <c:forEach var="flight" items="${flightList}">
                                <tr style="text-align:center; width:100%; margin:
0px auto;">
                                <td><a href=
"selectedFlight.jsp?value=${flight.flightNo}">${flight.flightNo}</a></td>
                                <td>${flight.airlineName}</td>
                                <td>${flight.flightClass}</td>
                                <td>${flight.leavingFrom}</td>
                                <td>${flight.goingTo}</td>
                                <td>${flight.departureTime}</td>
                                <td>${flight.arrivalTime}</td>
                                <td>${flight.totalSeats}</td>
                                <td>${flight.bookedSeats}</td>
                                <td>${flight.availableSeats}</td>
                                <td>${flight.dateOfTravel}</td>
                                <td>${flight.price}</td>
                                </tr>
                                </c:forEach>
                                </table>
                                </c:otherwise>
                                </c:choose>
</body>
</html>

```

SelectedFlight.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>

<%@page import="com.airline.flights.Flights"%>

<%-- <%@page import="com.airline.dbconnection.DatabaseConnection"%>

```

```

<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.SQLException"%>
<%@page import="java.util.Map"%>
<%@page import="java.util.HashMap"%>
<%@page import="java.util.ArrayList"%> --%>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
    <%
        int flightSelected = Integer.parseInt(request.getParameter("value"));

        Flights flight = new Flights();
        flight.fetchSelectedFlight(flightSelected,request,response);

    %>
</body>
</html>

```

Register.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
body {
    background: black;

h1, h2, h4 {
    text-align: center;
    margin-top: 30px;
    color: white;

input[type=number] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
    border: 2px solid black;
    border-radius: 4px;

input[type=number]:focus {
    background-color: lightblue;
}

```

```

input[type=text] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
    border: 2px solid black;
    border-radius: 4px;
}

input[type=text]:focus {
    background-color: lightblue;
}

input[type=submit] {
    border: 2px solid black;
    color: black;
    padding: 16px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin: 2px 2px;
    transition-duration: 0.4s;
    cursor: pointer;
    width: 100%;
    border-radius: 8px;
}

input[type=submit]:hover {
    background-color: #4CAF50; /* Green */
    color: white;
}

.form {
    position: absolute;
    top: 5%;
    left: 30%;
    right: 30%;
    bottom: 30%;
    margin: -10px 0 0 -10px;
}

textarea {
    width: 100%;
}
</style>
</head>
<body>

    <div class="form">
        <h2>Flight No: ${selectedFlight.flightNo}</h2>
        <h4>Flight: ${selectedFlight.airlineName}</h4>

        <p style="color: white;">Please fill in your personal details</p>
        <form action="populateUserDetails.jsp" method="POST">
            <input name = "userEmail" hidden type="text"
value="${userEmail}"

```



```

        style="color: white;" /> <input type="text"
name="fullName"
        placeholder="Full Name" />
<textarea name="address" placeholder="Address"></textarea>
<input name="age" type="number" placeholder="Age" /> <input
name="mobile" type="text" placeholder="Mobile" />

<label>Id Type</label>
<select name="IdType" id="id" >
    <option value="Aadhar">Aadhar Card</option>
    <option value="License">Driving License</option>
    <option value="Voter">Voter Id</option>
    <option value="Pan">Pan Card</option>
</select> <input type="text" name="IdNo" placeholder="Id
Number" /> <input
type="text" placeholder="Country" name="country"
/><input
type="submit" value="Register" />
</form>

</div>

</body>
</html>

```

populateUserDetails.jsp

```

<%@page import="com.airline.registeruser.RegisterUser"%>
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
    <%
        String userEmail = request.getParameter("userEmail");
        String fullname = request.getParameter("fullName");
        String address = request.getParameter("address");
        int age = Integer.parseInt(request.getParameter("age"));
        String mobile = request.getParameter("mobile");
        String idType = request.getParameter("IdType");
        String idNo = request.getParameter("IdNo");
        String country = request.getParameter("country");

        RegisterUser registerUser = new RegisterUser();
        registerUser.insertUser(userEmail,fullname,address,age,mobile, idType,idNo,
country,request, response);
    %>
</body>
</html>

```

RegisterUser.java

```
package com.airline.registeruser;

import java.io.IOException;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.List;

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 com.airline.dbconnection.DatabaseConnection;
import com.airline.flights.Flights;

public class RegisterUser {

    public RegisterUser() {
        super();
    }

    private String fullName;
    private String address;
    private int age;
    private String mobile;
    private String username;
    private String idType;
```

```
private String idNumber;
```

```
private String country;
```

```
public String getFullName() {
```

```
    return fullName;
```

```
}
```

```
public void setFullName(String fullName) {
```

```
    this.fullName = fullName;
```

```
}
```

```
public String getAddress() {
```

```
    return address;
```

```
}
```

```
public void setAddress(String address) {
```

```
    this.address = address;
```

```
}
```

```
public int getAge() {
```

```
    return age;
```

```
}
```

```
public void setAge(int age) {
```

```
    this.age = age;
```

```
}
```

```
public String getMobile() {
```

```
    return mobile;
```

```
}
```

```
public void setMobile(String mobile) {  
    this.mobile = mobile;  
}
```

```
public String getUsername() {  
    return username;  
}
```

```
public void setUsername(String username) {  
    this.username = username;  
}
```

```
public String getIdType() {  
    return idType;  
}
```

```
public void setIdType(String idType) {  
    this.idType = idType;  
}
```

```
public String getIdNumber() {  
    return idNumber;  
}
```

```
public void setIdNumber(String idNumber) {  
    this.idNumber = idNumber;  
}
```

```
public String getCountry() {  
    return country;  
}
```

```
public void setCountry(String country) {  
    this.country = country;  
}
```

```
public void insertUser(String userEmail, String fullName, String address, int age, String  
mobile, String idType,  
String idNo, String country, HttpServletRequest request,  
HttpServletResponse response)  
throws ServletException, IOException {  
  
    DatabaseConnection db;  
  
    try {  
        db = new DatabaseConnection();  
        java.sql.Connection conn = db.getConnection();  
  
        PreparedStatement ps = conn.prepareStatement(  
            " insert into registeruser (userEmail, fullName, address, age,  
mobile, govtId, country,idType ) values (?, ?, ?, ?, ?, ?, ?)");  
        ps.setString(1, userEmail);  
        ps.setString(2, fullName);  
        ps.setString(3, address);  
        ps.setInt(4, age);  
        ps.setString(5, mobile);  
        ps.setString(6, idType);  
        ps.setString(7, country);  
        ps.setString(8, idNo);  
  
        ps.executeUpdate();  
    }  
}
```

```

registeruser");

PreparedStatement ps1 = conn.prepareStatement("SELECT * FROM

ResultSet rs = ps1.executeQuery();

RegisterUser registerUser = new RegisterUser();
if (rs.next()) {
    System.out.println(rs.getString(2));
    registerUser.setUsername(rs.getString(1));
    registerUser.setFullName(rs.getString(2));
    registerUser.setAddress(rs.getString(3));
    registerUser.setAge(rs.getInt(4));
    registerUser.setMobile(rs.getString(5));

    registerUser.setIdType(rs.getString(6));
    registerUser.setCountry(rs.getString(7));

    registerUser.setIdNumber(rs.getString(8));

}

request.getSession().setAttribute("registeredUser", registerUser);
// request.getRequestDispatcher("review.jsp").forward(request, response);
response.sendRedirect("review.jsp");

} catch (ClassNotFoundException e) {
    // TODO Auto-generated catch block

    e.printStackTrace();
} catch (SQLException e) {
    // TODO Auto-generated catch block

```

```

        e.printStackTrace();
    }
}
}

```

Review.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
.form {
    position: absolute;
    top: 5%;
    left: 30%;
    right: 30%;
    bottom: 30%;
    margin: -10px 0 0 -10px;
}
input[type=submit] {
    border: 2px solid black;
    color: black;
    padding: 16px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin: 2px 2px;
    transition-duration: 0.4s;
    cursor: pointer;
    width: 100%;
    border-radius: 8px;
}

input[type=submit]:hover {
    background-color: #4CAF50; /* Green */
    color: white;
}
h3,h1,h4, hr {
    color: white;
}
body{
background-color: black;
}
</style>
</head>
<body>
<div class="form">

<h1>Flight Details</h1>
<h3>Flight No: ${selectedFlight.flightNo}<br>

```

```

Airline Name: ${selectedFlight.airlineName}<br>
From: ${selectedFlight.leavingFrom }<br>
To: ${selectedFlight.goingTo}<br>
Number Of Tickets: ${noOfPassengers}
</h3>
<hr>
<h1>User Details</h1>
<h3>Email: ${registeredUser.username }<br>
Full Name: ${registeredUser.fullName }<br>
Address: ${registeredUser.address }<br>
Age: ${registeredUser.age }<br>
Country: ${registeredUser.country }<br>
Email: ${registeredUser.username }<br>
<hr>
<h4>Total Fare</h4><h2>${noOfPassengers * selectedFlight.price}</h2>

</h3>

<form action="payment.jsp">
<input type="submit" value="Proceed to payment">
</form>
</div>

</body>
</html>

```

Payment.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
input[type=submit] {
    border: 2px solid black;
    color: black;
    padding: 16px 32px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
    font-size: 16px;
    margin: 2px 2px;
    transition-duration: 0.4s;
    cursor: pointer;
    width: 100%;
    border-radius: 8px;
}

input[type=submit]:hover {
    background-color: #4CAF50; /* Green */
    color: white;
}

.form {

```



```

        position: absolute;
        top: 5%;
        left: 30%;
        right: 30%;
        bottom: 30%;
        margin: -10px 0 0 -10px;
    }
    img{

margin : 0 auto;
display: block;
padding-bottom: 10px;

    }
</style>
</head>
<body>

```

```

        <div class="form">
            <form action="confirm.jsp">
                <h2 style="text-align:center;">Payment</h2>
                <h4 style="text-align:center;">Scan QR to pay</h4>

                

                <input type="submit" value="Pay">
            </form>
        </div>
</body>
</html>

```

Confirm.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@page import="com.airline.dbconnection.DatabaseConnection"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
.form {
    position: absolute;
    top: 15%;
    left: 30%;
    right: 30%;
    bottom: 30%;
    margin: -10px 0 0 -10px;
    border: 1px solid white;
}

body {
    background: black;

```

```

    }

    h1, h2, h4 {
        text-align: center;
        margin-top: 30px;
        color: white;
    }
</style>
</head>
<body>

    <div class="form">
        <h2>Tickets Booked</h2>
        <br>
        <h4>Thankyou ${registeredUser.fullName} for using our service.</h4>

    </div>

    <%

        DatabaseConnection db;
        db = new DatabaseConnection();
        java.sql.Connection conn = db.getConnection();
        Statement stmt = conn.createStatement();
        int rows = stmt.executeUpdate("insert into booking (userEmail,
flightNo)values('" + request.getSession().getAttribute("userEmail") + "','"
            + request.getSession().getAttribute("flightNo") + "') ");

    %>

</body>
</html>

```

ChangePassword.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html >
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
<style>
input[type=text] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    box-sizing: border-box;
    border: 2px solid black;
    border-radius: 4px;
}

input[type=text]:focus {
    background-color: lightblue;
}
input[type=password] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;

```

```

        box-sizing: border-box;
        border: 2px solid black;
        border-radius: 4px;
    }

    input[type=password]:focus {
        background-color: lightblue;
    }

    input[type=submit] {
        border: 2px solid black;
        color: black;
        padding: 16px 32px;
        text-align: center;
        text-decoration: none;
        display: inline-block;
        font-size: 16px;
        margin: 2px 2px;
        transition-duration: 0.4s;
        cursor: pointer;
        width: 100%;
        border-radius: 8px;
    }

    input[type=submit]:hover {
        background-color: #4CAF50; /* Green */
        color: white;
    }

    .form {
        position: absolute;
        top: 30%;
        left: 30%;
        right: 30%;
        bottom: 30%;
        margin: -10px 0 0 -10px;
    }
</style>
</head>
<body>

    <div class="form">
        <form action="passwordChangeAction.jsp" method="post">
            <input type="text" name="adminEmail" id="adminEmail"
                style="border: none; text-align: center; visibility:
hidden;"
                value="${adminEmail}"> <input type="password"
name="oldPassword"
                placeholder="Old Password"> <input type="password"
name="newPassword" placeholder="New Password"> <input
type="password" name="confirmNewPassword"
placeholder="Confirm Password">
                <input type="submit" value="SUBMIT">
            </form>
        </div>
</body>
</html>

```

PasswordChangeAction.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@page import="com.airline.dbconnection.DatabaseConnection"%>
    <%@page import="java.sql.PreparedStatement" %>
    <%@page import="java.sql.ResultSet" %>
    <%@page import="java.sql.Statement" %>
    <!DOCTYPE html>
    <html>
    <head>
    <meta charset="ISO-8859-1">
    <title>Insert title here</title>
    </head>
    <body>
        <%
            String newPassword = request.getParameter("newPassword");
            String confirmNewPasword =
request.getParameter("confirmNewPassword");
            String adminEmail = request.getParameter("adminEmail");
            /* String adminEmail
=request.getSession().getAttribute("adminEmail"); */

            if (newPassword.equals(confirmNewPasword)){
                DatabaseConnection db;
                db = new DatabaseConnection();
                java.sql.Connection conn = db.getConnection();
                Statement stmt = conn.createStatement();
                int rows = stmt.executeUpdate("update adminlogin set
userPassword = '"+ newPassword+"' WHERE userEmail= '"+adminEmail+"' ");

                if (rows !=0){
                    out.println("Password resetted successfully");
                }
                else{

                    response.sendRedirect("changePassword.jsp");
                }
            }
            else{
                out.println("Passwords not matching");
                response.sendRedirect("changePassword.jsp");
            }
        %>
    </body>
    </html>
```