

## homepage.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>FlyAway</title>
</head>
<body >
<h1>FlyAway</h1>

<div align="right">
<a href="AdminPage.jsp">Admin Login</a>
</div>

<%
    @SuppressWarnings("unchecked")
    HashMap<String,String>
    user=(HashMap<String,String>)session.getAttribute("user");
    if(user!=null){
%>
<p>Welcome <%=user.get("name") %></p>
<a href="Logout">Logout</a>
<%
    }else{
%>
```

```

<a href=UserPage.jsp>User Login</a>

<%
    }
%>

<br><br>

<form action=FlightList method=post>

    <label for=from>From :-</label> <input type=text name=from id=from/><br><br>

    <label for=to>To :-</label> <input type=text name=to id=to/><br><br>

    <label for=departure>Departure :-</label> <input type=date name=departure
id=departure/><br><br>

    <label for=travellers>Travellers :-</label> <input type=number name=travellers
id=travellers/><br><br>

    <input type=submit value=Search /> <input type=reset />

</form>

</body>

</html>

```

### adminhome.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>Admin Home</title>
```

```
</head>
```

```
<body >
```

```
<br>
```

```
<a href=HomePage.jsp>FlyAway</a>
```

```
<br><br>
```

```
<h1>Insert New Flight Details</h1>
```

```
<form action=InsertFlight method=post>
```

```
    <label for=name>Name :-</label> <input type="text" name=name id=name /><br><br>
```

```
    <label for=from>From :-</label> <input type="text" name=from id=from /><br><br>
```

```
    <label for=to>To :-</label> <input type="text" name=to id=to /><br><br>
```

```
    <label for=departure>Departure :-</label> <input type="date" name=departure  
id=departure /><br><br>
```

```
    <label for=time>Time :-</label> <input type="time" name=time id=time /><br><br>
```

```
    <label for=price>Price :-</label> <input type="text" name=price id=price  
/><br><br>
```

```
    <input type=submit value=submit /> <input type=reset />
```

```
</form>
```

```
<%
```

```
    String message=(String)session.getAttribute("message");
```

```
    if(message!=null){
```

```
%>
```

```
<p style="color:silver;"><%=message %></p>
```

```
<%
```

```
    session.setAttribute("message", null);
```

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

### adminpage.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>Admin Page</title>  
</head>  
<body >  
<br>  
<a href=HomePage.jsp>FlyAway</a>  
<br><br>  
  
<h2>Admin Login</h2>  
  
<form action=AdminLogin method=post>  
    <label for=email>Email :-</label> <input type="email" name=email id=email  
/><br><br>  
    <label for=pass>Password :-</label> <input type="password" name=password id=pass  
/><br><br>  
    <input type=submit value=submit /> <input type=reset />  
</form>
```

```

<br>

<a href=ForgotPassword.jsp _>Forgot Password</a>

<%
    String message=(String)session.getAttribute("message");
    if(message!=null){
%>

<p style="color:silver;"><%=message %></p>

<%
        session.setAttribute("message", null);
    }
%>

</body>

</html>

```

### **bookflight.jsp**

```

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

<%@ page import="java.util.*" %>

<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>FlyAway</title>

</head>

<body >

```

```

<br>

<a href=HomePage.jsp >FlyAway</a>

<br><br>

<%

    @SuppressWarnings("unchecked")

    HashMap<String,String>
user=(HashMap<String,String>)session.getAttribute("user");

    if(user==null){

        response.sendRedirect("UserPage.jsp");

    }

%>

<p align="center" style="color:green;font-size:40px;font-weight:bold">Flight Booked
Successfully</p>

</body>

</html>

```

### flightlist.jsp

```

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

    pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>

<%@ page import="java.util.*" %>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Flight List</title>

</head>

```

```

<body >

<br>

<a href=HomePage.jsp >FlyAway</a>

<br><br>

<%

    @SuppressWarnings("unchecked")

    List<String[]> flights=(List<String[]>)session.getAttribute("flights");

    if(flights!=null){

%>

<h1>Available Flights</h1>

<center>

<table border="1">

<tr>

____ <th>Name</th>

____ <th>Time</th>

____ <th>Price</th>

</tr>

<%

____ for(String[] flight:flights){

%>

<tr>

<td><%=flight[0]%></td>

```

```

<td><%=flight[1]%></td>

<td><%=flight[2]%></td>

</tr>

</table>

</center>

<center><a href=register.jsp>Book Now</a> </center>

<%

    }

%>

<%

    }

    else{

%>

<h1>There are no available flights</h1>

<%

    }

%>

</body>

</html>

```

### forgotpassword.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>

</head>

<body >

<br>

<a href=HomePage.jsp >FlyAway</a>

<br><br>


<form action=ForgotPassword method=post>

    <label for=email>Email :-</label> <input type="email" name=email id=email
/><br><br>

    <label for=pass>New Password :-</label> <input type="password" name=password
id=pass /><br><br>

    <input type=submit value=submit /> <input type=reset />

</form>


</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>Payment</title>

</head>

<body>

<h2> Card Details</h2>

<form action = "BookFlight.jsp">

Card Holder Name : <input type = "text" name = "cname"> <br/> <br/>

Card Number : <input type = "number" name = "cnumber"> <br/> <br/>

Valid Till (mm/yy) : <input type = "text" name = "valid"> <br/> <br/>

CVV : <input type = "NUMBER" name = "cvv"> <br/> <br/>

<input type = "submit" name = "Submit">

</form>

</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>Register</title>

</head>

<body>
```

```

<form action = "Payment.jsp" >

<h2> Enter your personal details: </h2>

Name : <input type = "text" name = "uname"> <br/> <br/>

Age : <input type = "number" name = "age"> <br/> <br/>

Gender: <input type = "text" name = "gender"> <br/> <br/>

Date of birth (dd/mm/yyyy):<input type = "number" name = "dob"> <br/> <br/>

Address : <textarea> </textarea> <br/> <br/>

Phone number : <input type = "number" name = "phno"> <br/> <br/>

Allergies, if any <input type = "text" name = "alg"> <br/> <br/>

<input type = "submit" name = "Proceed to payment">

</form>

<%

    String message=(String)session.getAttribute("message");

    if(message!=null){

%>

<p style="color:silver;"><%=message %></p>

<%

        session.setAttribute("message", null);

    }

%>

</body>

</html>

```

### userregistration.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>

</head>

<body >

<br>

<a href=HomePage.jsp >FlyAway</a>

<br><br>

<form action=UserRegistration method=post>

    <label for=email>Email :-</label> <input type="email" name=email id=email
/><br><br>

    <label for=pass>Password :-</label> <input type="password" name=password id=pass
/><br><br>

    <label for=name>Name :-</label> <input type="text" name=name id=name /><br><br>

    <label for=phno>Phone No. :-</label> <input type="text" name=phno id=phno
/><br><br>

    <label for=adno>Aadhaar No. :-</label> <input type="text" name=adno id=adno
/><br><br>

    <input type=submit value=submit /> <input type=reset />

</form>

</body>

</html>

```

### **userpage.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>

</head>

<body >

<br>

<a href=HomePage.jsp style="color:black;text-decoration:none
;font-size:35px;font-weight:bold;">FlyAway</a>

<br><br>

<center>

<h2>User Login</h2>

<form action=UserLogin method=post >

  <table >

    <tr>

      <td><label for=email>Email</label><br></td>

      <td><input type="email" name=email id=email /></td>

    </tr>

    <tr>

      <td><label for=pass>Password</label><br></td>

      <td><input type="password" name=password id=pass /></td>

    </tr>

    <tr>

      <td><input type=submit value=submit /></td>

      <td><input type=reset /></td>

    </tr>

  </table>
```

---

```
</form>
```

```
</center>
```

```
<br><br>
```

```
<i>New User-Create account</i>
```

```
<h4><a href=UserRegistration.jsp style="font-size:25;color:red;">Create  
Account</a></h4>
```

```
<%
```

```
    String message=(String)session.getAttribute("message");
```

```
    if(message!=null){
```

```
%>
```

```
<p style="color:silver;"><%=message %></p>
```

```
<%
```

```
    session.setAttribute("message", null);
```

```
}
```

```
%>
```

```
</body>
```

```
</html>
```

### pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0  
https://maven.apache.org/xsd/maven-4.0.0.xsd">
```

```
    <modelVersion>4.0.0</modelVersion>
```

```
    <groupId>phase2flyaway</groupId>
```

```
    <artifactId>phase2flyaway</artifactId>
```

```
<version>0.0.1-SNAPSHOT</version>

<packaging>war</packaging>

<build>

  <plugins>

    <plugin>

      <artifactId>maven-compiler-plugin</artifactId>

      <version>3.8.1</version>

      <configuration>

        <release>17</release>

      </configuration>

    </plugin>

    <plugin>

      <artifactId>maven-war-plugin</artifactId>

      <version>3.2.3</version>

    </plugin>

  </plugins>

</build>

<dependencies>

<dependency>

  <groupId>mysql</groupId>

  <artifactId>mysql-connector-java</artifactId>

  <version>8.0.16</version>

</dependency>

<dependency>

  <groupId>org.hibernate</groupId>

  <artifactId>hibernate-core</artifactId>

  <version>5.5.6.Final</version>
```

```
</dependency>

</dependencies>

</project>
```

### StringUtil.java

```
package com;

public class StringUtil {

    public static String fixSqlFieldValue(String value) {

        if (value == null) {

            return null;

        }

        int length = value.length();

        StringBuffer fixedValue = new StringBuffer((int)(length*1.1));

        for(int i = 0 ; i < length ; i++) {

            char c = value.charAt(i);

            if ( c == '\'' ) {

                fixedValue.append("''");

            }else {

                fixedValue.append(c);

            }

        }

        return fixedValue.toString();

    }

    public static String encodeHtmlTag(String tag) {

        if (tag==null)
```



```

        return null;

    int length = tag.length();

    StringBuffer encodedTag = new StringBuffer(2 * length);

    for(int i = 0 ; i < length;i++) {

        char c = tag.charAt(i);

        if(c=='<')

            encodedTag.append("<");

        else if(c=='>')

            encodedTag.append(">");

        else if(c=='&')

            encodedTag.append("&");

        else if(c=='"')

            encodedTag.append(""");

        else if(c==' ')

            encodedTag.append(" ");

        else

            encodedTag.append(c);

    }

    return encodedTag.toString();

}

}

```

### dao.java

```
package com.database;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.ResultSet;
```

```
import java.sql.SQLException;
```

```
import java.sql.Statement;
```

```
import java.util.ArrayList;
```

```
import java.util.HashMap;
```

```
import java.util.List;
```

```
import com.StringUtil;
```

```
public class Dao {
```

```
    public Connection con=null;
```

```
    public Statement st=null;
```

```
    public Dao() throws ClassNotFoundException, SQLException{
```

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

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

```
        System.out.println("connection established with database");
```

```
        st=con.createStatement();
```

```
    }
```

```
    public List<String[]> getAvailableFlights(String f, String t, String d) {
```

```
        List<String[]> flights=new ArrayList<>();
```

```
String query="SELECT * FROM flyaway.flights where fromf='"+f+"' and tof='"+t+"' and  
datef='"+d+"'";
```

```
try {  
  
    ResultSet rs=st.executeQuery(query);  
  
    if(rs.next()) {  
  
        String[] flight=new String[3];  
  
        flight[0]=rs.getString("name");  
  
        flight[1]=rs.getString("timef");  
  
        flight[2]=rs.getString("price");  
  
        flights.add(flight);  
  
        return flights;  
  
    }  
  

```

```
    } catch (SQLException e) {  
  
        e.printStackTrace();  
  
    }  
  

```

```
    return null;  
  

```

```
}
```

```
public HashMap<String, String> checkUser(String email, String password) {
```

```
    HashMap<String,String> user=null;
```

```
    String query="select * from user where email='"+email+"' and password='"+password+"'";
```

```

try {

    ResultSet rs=st.executeQuery(query);

    if(rs.next()) {

        user=new HashMap<>();

        user.put("name", rs.getString("name"));

        user.put("email",rs.getString("email"));

        user.put("phno",rs.getString("phno"));

        user.put("adno",rs.getString("adno"));

    }

    return user;

} catch (SQLException e) {

    e.printStackTrace();

}

return user;

}

```

```

public boolean insertUser(HashMap<String, String> user) {

```

```

    String query="INSERT INTO user (email, password, name, phno, adno)
values('"+user.get("email")+"','"+user.get("password")+"','"+user.get("name")+"','"+user.get("phno")+"','
"+user.get("adno")+"')";

```

```

try {

    st.execute(query);

    return true;

} catch (SQLException e) {

```

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

```
public boolean checkAdmin(String email, String password) {
```

```
    try {
        ResultSet rs=st.executeQuery("select * from admin where email='"+email+"' and
password='"+password+"'");
        if(rs.next())
            return true;
    } catch (SQLException e) {
        e.printStackTrace();
    }
    return false;
}
```

```
public boolean changeAdminPassword(String email, String password) {
```

```
    try {
        ResultSet rs=st.executeQuery("select * from admin where email='"+email+"'");
        if(!rs.next()) {
            return false;
        }
        st.execute("update admin set password='"+password+"' where email='"+email+"'");
    }
```

```

        return true;

    } catch (SQLException e) {

        e.printStackTrace();

    }

    return false;

}

```

```

public boolean insertFlight(HashMap<String, String> flight) throws SQLException {

    //PreparedStatement stm=con.prepareStatement("INSERT INTO 'flyaway.flights' ('name', 'from',
    'to', 'date', 'time', 'price') values(?,?,?,?,?,?)");

    //String sql="INSERT INTO flights ('name','from','to','date','time','price')
    values('"+flight.get("name")+"','"+flight.get("from")+"','"+flight.get("to")+"','"+flight.get("date")+"','"+flight.get("time")+"','"+flight.get("price")+"');";

    String query1 = "INSERT INTO flights (name, fromf, tof, datef, timef, price) VALUES" + " ("

        + StringUtil.fixSqlFieldValue(flight.get("name")) + "',' " + " '" +
        StringUtil.fixSqlFieldValue(flight.get("from")) + "',' " + " '"

        + StringUtil.fixSqlFieldValue(flight.get("to")) + "',' " + " '" +
        StringUtil.fixSqlFieldValue(flight.get("date")) + "',' " + " '"

        + StringUtil.fixSqlFieldValue(flight.get("time")) + "',' " + " '" +
        StringUtil.fixSqlFieldValue(flight.get("price")) + "');";

    System.out.println(flight.get("date"));

    System.out.println(flight.get("time"));

    try {

        //stm.execute();

        st.execute(query1);

        return true;

    }
}

```

```
    } catch (SQLException e) {  
        System.out.print("error");  
        e.printStackTrace();  
    }  
    return false;  
}  
}
```