**FlyAway (An Airline Booking Portal)**

**SourceCode**

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

<br><br>

<center>

<h1>Insert New Flight Details</h1>

<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px" align="center">

<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>

</div>

</center>

<%

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

<br><br>

<center>

<h2>Admin Login</h2>

<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px" align="center">

<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>

</div>

</center><br>

<a href=ResetPassword.jsp style="font-size:25;color:red;">Reset 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 style="color:black;text-decoration:none ;font-size:35px;font-weight:bold;">FlyAway</a>

<br><br>

<%

@SuppressWarnings("unchecked")

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

if(user==null){

response.sendRedirect("UserPage.jsp");

}

%>

<div class="container">

<div class="main-content">

<p class="text">FlyAway BookTickets</p>

</div>

Payment via Card

</p>

</div>

<div class="last-content">

<button type="button" class="pay-now-btn">

Credit Card

</button>

<button type="button" class="pay-now-btn">

Debit Card

</button>

<!-- <button type="button" class="pay-now-btn">

Netbanking options

</button> -->

</div>

<div class="card-details">

<p>Pay using Credit or Debit card</p>

<div class="card-number">

<label> Card Number </label>

<input

type="text"

class="card-number-field"

placeholder="###-###-###"/>

</div>

<br />

<div class="date-number">

<label> Expiry Date </label>

<input type="text" class="date-number-field"

placeholder="DD-MM-YY" />

</div>

<div class="cvv-number">

<label> CVV number </label>

<input type="password" class="cvv-number-field"

placeholder="xxx" />

</div>

<div class="nameholder-number">

<label> Card Holder name </label>

<input

type="text"

class="card-name-field"

placeholder="Enter your Name"/>

</div>

<button><a href="success.jsp">Pay Now</a></button>

</div>

</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 style="color:black;text-decoration:none;font-size:35px;font-weight:bold;">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><input type="radio"><%=flight[0]%></td>

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

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

</tr>

</table>

</center>

<%

}

%>

<center><a href ="BookFlight.jsp">Book Now</a></center>

<%

}

else{

%>

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

<%

}

%>

</body>

</html>

**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 align="center">Welcome <%=user.get("name") %></p>

<a href="Logout">Logout</a>

<%

}else{

%>

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

<%

}

%>

<br><br>

<center>

<div style="border:5px solid black;width:25%;border-radius:20px;padding:20px" align="center">

<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>

</div>

</center>

</body>

</html>

**ResetPassword.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>

<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px" align="center">

<form action=ResetPassword 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>

</div>

</center>

</body>

</html>

**Success.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>

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

<a href="Logout">Logout</a>

</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>

<div style="border:2px solid black;width:25%;border-radius:20px;padding:20px" align="center">

<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>

</div>

</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>

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

<br><br>

<center>

<div style="border:3px solid black;width:25%;border-radius:20px;padding:20px" align="center">

<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>

</div>

</center>

</body>

</html>

**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 org.bookingtickets.workshop.util.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","vasuki");

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")) + "')";

//String sql="INSERT INTO `flyaway`.`flights` (`name`, `fromf`, `tof`, `datef`, `timef`, `price`) VALUES ('indigo', 'hyd', 'viz', '2021-04-08', '10:00', '2000');";

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

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

//String query1="INSERT into flyaway.flights (name,from,to,date,time,price) values('indigo','hyd','viz','24-02-2022','10:30','2000')";

try {

//stm.execute();

st.execute(query1);

return true;

} catch (SQLException e) {

System.out.print("error");

e.printStackTrace();

}

return false;

}

}

**AdminLogin.java**

package com.servlets;

import java.io.IOException;

import java.sql.SQLException;

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 javax.servlet.http.HttpSession;

import com.database.DAO;

@WebServlet("/AdminLogin")

public class AdminLogin extends HttpServlet {

private static final long serialVersionUID = 1L;

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

String email=request.getParameter("email");

String password=request.getParameter("password");

try {

DAO dao=new DAO();

if(dao.checkAdmin(email,password)) {

response.sendRedirect("AdminHome.jsp");

}

else {

HttpSession session=request.getSession();

session.setAttribute("message", "Invalid Details");

response.sendRedirect("AdminPage.jsp");

}

} catch (ClassNotFoundException | SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}

**FlightList.java**

package com.servlets;

import java.io.IOException;

import java.sql.SQLException;

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 javax.servlet.http.HttpSession;

import com.database.DAO;

@WebServlet("/FlightList")

public class FlightList extends HttpServlet {

private static final long serialVersionUID = 1L;

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

String from=request.getParameter("from");

String to=request.getParameter("to");

String departure=request.getParameter("departure");

try {

DAO dao = new DAO();

List<String[]> flights=dao.getAvailableFlights(from, to, departure);

HttpSession session=request.getSession();

session.setAttribute("flights", flights);

} catch (ClassNotFoundException | SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

response.sendRedirect("FlightList.jsp");

}

}

InsertFlightList.jsp

package com.servlets;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import java.io.IOException;

import java.sql.SQLException;

import java.util.HashMap;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

**InsertFlight.java**

import com.database.DAO;

@WebServlet("/InsertFlight")

public class InsertFlight extends HttpServlet {

private static final long serialVersionUID = 1L;

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

String name=request.getParameter("name");

String from=request.getParameter("from");

String to=request.getParameter("to");

String departure=request.getParameter("departure");

String time=request.getParameter("time");

String price=request.getParameter("price");

HashMap<String,String> flight=new HashMap<>();

flight.put("name", name);

flight.put("from", from);

flight.put("to", to);

flight.put("date", departure);

flight.put("time", time);

flight.put("price", price);

try {

DAO dao=new DAO();

HttpSession session=request.getSession();

if(dao.insertFlight(flight)) {

session.setAttribute("message", "Flight Added Successfully");

}

else {

session.setAttribute("message", "Invalid Details");

}

} catch (ClassNotFoundException | SQLException e) {

// TODO Auto-generated catch block

System.out.print("error");

e.printStackTrace();

}

response.sendRedirect("AdminHome.jsp");

}

}

**Logut.java**

package com.servlets;

import javax.servlet.annotation.WebServlet;

import java.io.IOException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

@WebServlet("/Logout")

public class Logout extends HttpServlet {

private static final long serialVersionUID = 1L;

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

HttpSession session=request.getSession();

session.setAttribute("user", null);

response.sendRedirect("HomePage.jsp");

}

}

**ResetPassword.java**

package com.servlets;

import javax.servlet.annotation.WebServlet;

import java.io.IOException;

import java.sql.SQLException;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.database.DAO;

@WebServlet("/ResetPassword")

public class ResetPassword extends HttpServlet {

private static final long serialVersionUID = 1L;

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

String email=request.getParameter("email");

String password=request.getParameter("password");

try {

DAO dao=new DAO();

HttpSession session=request.getSession();

if(dao.changeAdminPassword(email,password)) {

session.setAttribute("message", "Password Changed Successfully");

}

else {

session.setAttribute("message", "Invalid Details");

}

} catch (ClassNotFoundException | SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

response.sendRedirect("AdminPage.jsp");

}

}

**UserLogin.java**

package com.servlets;

import javax.servlet.annotation.WebServlet;

import java.io.IOException;

import java.sql.SQLException;

import java.util.HashMap;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.database.DAO;

@WebServlet("/UserLogin")

public class UserLogin extends HttpServlet {

private static final long serialVersionUID = 1L;

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

String email=request.getParameter("email");

String password=request.getParameter("password");

try {

DAO dao=new DAO();

HashMap<String,String> user=dao.checkUser(email,password);

HttpSession session=request.getSession();

if(user!=null) {

session.setAttribute("user", user);

response.sendRedirect("HomePage.jsp");

}

else {

session.setAttribute("message", "Invalid Details");

response.sendRedirect("UserPage.jsp");

}

} catch (ClassNotFoundException | SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}

**UserRegistration.java**

package com.servlets;

import javax.servlet.annotation.WebServlet;

import java.io.IOException;

import java.sql.SQLException;

import java.util.HashMap;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import javax.servlet.http.HttpSession;

import com.database.DAO;

@WebServlet("/UserRegistration")

public class UserRegistration extends HttpServlet {

private static final long serialVersionUID = 1L;

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

String email=request.getParameter("email");

String password=request.getParameter("password");

String name=request.getParameter("name");

String phno=request.getParameter("phno");

String adno=request.getParameter("adno");

HashMap<String,String> user=new HashMap<>();

user.put("email", email);

user.put("password", password);

user.put("name", name);

user.put("phno", phno);

user.put("adno", adno);

try {

DAO dao=new DAO();

boolean result=dao.insertUser(user);

HttpSession session=request.getSession();

if(result) {

session.setAttribute("message", "User Added Successfully");

}

else {

session.setAttribute("message","Invalid Details");

}

} catch (ClassNotFoundException | SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

response.sendRedirect("UserPage.jsp");

}

}