**SOURCE CODE**

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

**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");

}

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

response.sendRedirect("FinalTicket.jsp");

}

}

ForgotPassword.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("/ForgotPassword")

public class ForgotPassword 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");

}

}

InsertFlight.java

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;

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");

}

}

Logout.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");

}

}

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");

}

}

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=*ForgotPassword.jsp* style="font-size:*25*;color:*red*;">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* style="color:*neon*;text-decoration:*none* ;font-size:*35px*;font-weight:*bold*;">Welcome to FlyAway</a>

<br><br>

<%

@SuppressWarnings("unchecked")

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

**if**(user==**null**){

response.sendRedirect("UserPage.jsp");

}

%>

<a href=*"Payment.jsp"*><button>Proceed to Pay</a></button>

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

</body>

</html>

FinalTicket.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

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

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Thank you for booking your journey with Flyaway !!</title>

<link rel=*"stylesheet"* href=*"styles.css"*>

</head>

<body>

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

<h1>Booking done successfully..!!</h1>

<h1>Have a great journey!!</h1>

<div class=*"container1"*>

<form>

<%

@SuppressWarnings("unchecked")

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

%>

<h1 class=*"item"* style="color:*blue*;">Thank you <%=user.get("name")%> for booking with FlyAway !</h1>

<h1 class=*"item"*>Your AirTicket</h1>

<%

@SuppressWarnings("unchecked")

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

%>

<table border=*"1"*>

<tr>

<th>PassengerName</th>

<th>FlightName</th>

<th>DepartureTime</th>

<th>Price</th>

</tr>

<%

**for**(String[] flight:flights){

%>

<tr>

<td><%=user.get("name")%>

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

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

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

</tr>

</table>

<%

}

%>

<div ><input type=*"submit"* onclick="window.print()" value=*"Print ticket"* class=*"btn"* /></div>

</form>

</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><%=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>

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* 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=*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>

</div>

</center>

</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>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>

Payment.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=UTF-8"*

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*>

<title>Payment - Ticket Booking</title>

<link rel=*"stylesheet"* href=*"styles.css"*>

</head>

<body>

<h1>Make a payment to fly-away !!</h1>

<div class=*"container1"*>

<form action=*FlightList* method=*"get"*>

<div class=*"item"* ><input type=*"text"* placeholder=*"Email id"* class=*"tb"* name=*"emailid"* /></div>

<div class=*"item"* ><input type=*"text"* placeholder=*"Name on Card"* class=*"tb"* name=*"nameoncard"* /></div>

<div class=*"item"* ><input type=*"text"* placeholder=*"Card Number"* class=*"tb"* name=*"cardnumber"* /></div>

<div class=*"item"* ><input type=*"text"* placeholder=*"CVV"* class=*"tb"* name=*"cvv"* /></div>

<div style="color:*white*; margin: *10px*; text-align:*center*;">Card Expiry Date</div>

<div class=*"item"* ><input type=*"date"* class=*"tb"* name=*"date"* /></div>

<div ><input type=*"submit"* value=*"Make Payment"* class=*"btn"* /></div>

</form>

</div>

</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:*silver*;text-decoration:*none* ;font-size:*30px*;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>

DBMS

use flyaway;

CREATE TABLE user (email varchar(25),password varchar(25),name varchar(25),phno varchar(25),adno varchar(25));

CREATE TABLE flights (name varchar(25),fromf varchar(25),tof varchar(25),datef varchar(25),timef varchar(25),price varchar(25));

select \* from flights;

CREATE TABLE admin (email varchar(25),password varchar(25));

select \* from user;