Java

package model;

public class Booking {

// flight details

public static String flight\_booking\_id;

public static int ticket\_price;

public static String flight\_name;

// passenger details

public static String passenger\_name;

public static String passenger\_email;

public static String passenger\_phone;

// payment details

public static String name\_on\_card;

public static String card\_details;

}

package model;

public abstract class Search {

public static String date;

public static String day;

public static String source;

public static String destination;

public static int persons;

public static String getQuery() {

return "SELECT \* FROM flight WHERE source = '"+source+"' AND

destination='"+destination+"' AND days like '%"+day+"%'";

}

}

Servlet :

package servlets;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import java.io.\*;

public class ChangePassword extends HttpServlet {

@Override protected void doPost(HttpServletRequest req, HttpServletResponse

resp) throws IOException {

PrintWriter out = resp.getWriter();

String pass = req.getParameter("passwordEntered");

if (!Login.isLoggedIn){

out.println("You must login first");

}

else if (pass.equals("")){

out.println("Password can't be empty");

}

else if (Login.isLoggedIn && !pass.equals("")){

Login.password = pass;

out.println("Password changed. New Password is

"+Login.password);

}

else {

out.println("Sorry, Something went wrong");

}

out.close();

}

}

package servlets;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

public class Login extends HttpServlet {

public static boolean isLoggedIn = false;

public static String password = "Admin";

public static String email = "admin@flyaway.com";

@Override

public void doPost (HttpServletRequest req, HttpServletResponse

resp) throws IOException {

PrintWriter out = resp.getWriter();

String email = req.getParameter("emailEntered");

String pass = req.getParameter("passwordEntered");

if (email.equals(Login.email) && pass.equals(Login.password)){

isLoggedIn = true;

out.println("You have LoggedIn");

resp.sendRedirect("admin-dashboard.jsp");

}

else {

isLoggedIn = false; out.println("Login Failed : Incorrect email or Password");

}

out.close();

}

}

package servlets;

import java.io.IOException;

import java.io.PrintWriter;

import java.time.\*;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import model.Search;

public class SearchServlet extends HttpServlet {

@Override

public void service (HttpServletRequest req, HttpServletResponse resp) throws IOException {

Search.date = req.getParameter("date");

Search.source = req.getParameter("source");

Search.destination = req.getParameter("destination");

Search.persons = Integer.parseInt(req.getParameter("persons"));

if (Search.date.equals("")) {

PrintWriter out = resp.getWriter();

out.println("Please enter a valid date");

}

else { Search.day = getDay(Search.date);

resp.sendRedirect("search-results.jsp");

}

}

public String getDay(String dateInp) {

LocalDate dt = LocalDate.parse(dateInp);

return dt.getDayOfWeek().toString();

}

}

---------------------------------- JSP PAGE --------------------------------------------------------------------

INDEX

<!DOCTYPE html>

<html>

<head>

<title>FlyAway</title>

<link rel = "shortcut icon" type = "image/png" href = "img/favicon.png" >

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet"

href="${pageContext.request.contextPath}/style/global.css">

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">

<link rel="stylesheet"

href="https://fonts.googleapis.com/css?family=Raleway">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font

awesome/4.7.0/css/font-awesome.min.css">

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">

<link rel="stylesheet"

href="https://fonts.googleapis.com/css?family=Raleway">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font

awesome/4.7.0/css/font-awesome.min.css">

<style>

body,h1,h2,h3,h4,h5,h6 {font-family: "Raleway", sans-serif}

body, html {

height: 100%;

line-height: 1.8;

}

.bgimg-1 {

background-position: center;

background-size: cover;

background-image: url("img/flt.jpg");

min-height: 100%;

}

.w3-bar .w3-button {

padding: 16px;

}

.footer {

position: fixed;

left: 0;

bottom: 0;

width: 100%;

background-color: #f5f5f5;

color: #3b3b3b;

text-align: center;

}

</style>

</head>

<body>

<div class="w3-top">

<div class="w3-bar w3-white w3-card" id="myNavbar"> <a href="/index.jsp" class="w3-bar-item w3-button w3-wide"><img

src="img/favicon.png" class="img-fluid" alt="image" width="18%"> Get Ready

To Fly</a>

<div class="w3-right w3-hide-small">

<a href="/login.jsp" class="w3-bar-item w3-button"><i

class="fa fa-gear"></i> Admin Login</a>

</div>

</div>

</div>

<header class="bgimg-1 w3-display-container w3-grayscale-min" id="home">

<br>

<div class="w3-display-centre w3-text-white" style="padding:48px">

<span class="w3-jumbo w3-hide-small">Ready to FlyAway?</span><br>

<span class="w3-large">Book Flight Tickets at best prices</span>

</div>

<div class="w3-display-left w3-text-white" style="padding:48px">

<p><br><br><br><br><br><br><br><br><br><br><a

href="searchportal.jsp" class="w3-button w3-white w3-padding-large w3-large

w3-margin-top w3-opacity w3-hover-opacity-on"><i class="fa fa-fighter

jet"></i> Book Flights</a></p>

<p><a href="login.jsp" class="w3-button w3-white w3-padding-large

w3-large w3-margin-top w3-opacity w3-hover-opacity-on"><i class="fa fa

gear"></i> Admin Login</a></p>

</div>

</header>

</body>

</html>

LOGIN

package servlets;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import java.io.IOException;

import java.io.PrintWriter;

public class Login extends HttpServlet {

public static boolean isLoggedIn = false;

public static String password = "Admin";

public static String email = "admin@flyaway.com";

@Override

public void doPost (HttpServletRequest req, HttpServletResponse resp)

throws IOException {

PrintWriter out = resp.getWriter();

String email = req.getParameter("emailEntered");

String pass = req.getParameter("passwordEntered");

if (email.equals(Login.email) && pass.equals(Login.password)){

isLoggedIn = true; out.println("You have LoggedIn");

resp.sendRedirect("admin-dashboard.jsp");

}

else {

isLoggedIn = false;

out.println("Login Failed : Incorrect email or Password");

}

out.close();

}

}

SEARCH

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

<!DOCTYPE html>

<html lang="en">

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>FlyAway</title>

<link rel = "shortcut icon" type = "image/png" href = "img/favicon.png" >

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">

<link rel="stylesheet"

href="https://fonts.googleapis.com/css?family=Raleway">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font

awesome/4.7.0/css/font-awesome.min.css">

<link rel="stylesheet"

href="${pageContext.request.contextPath}/style/global.css">

<link rel="stylesheet"

href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script

src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></scri

pt>

<script

src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></s

cript>

<style>

body,h1,h2,h3,h4,h5,h6 {font-family: "Raleway", sans-serif}

body, html {

height: 100%;

line-height: 1.8;

}

.bgimg-1 {

background-position: center;

background-size: cover;

background-image: url("img/flt.jpg");

min-height: 100%;

}

.w3-bar .w3-button {

padding: 16px;

}

</style>

</head>

<body>

<div class="w3-bar w3-white w3-card" id="myNavbar">

<a href="index.jsp" class="w3-bar-item w3-button w3-wide"><img

src="img/favicon.png" class="img-fluid" alt="image" width="18%"> Get Ready

To Fly</a> <div class="w3-right w3-hide-small">

<a href="login.jsp" class="w3-bar-item w3-button"><i class="fa fa

gear"></i> Admin Login</a>

</div>

</div>

<section class="container-fluid bg">

<section class="row justify-content-center">

<div class="row">

<div class="col">

<h2 align="center" style="color:whitesmoke;"><b>FlyAway <br>

Ticket Booking</b></h2>

<br>

</div>

</div>

<section class="col-sm-6 col-md-3">

<form action="search" class="form-container">

<div class="form-group">

<label for="date">Date</label>

<input type="date" class="form-control" id="date"

name="date" placeholder="Travel Date..">

</div>

<div class="form-group">

<label for="source">Source</label>

<select class="form-control" id="source" name="source">

<option value="India">India</option>

<option value="USA">USA</option>

<option value="UK">UK</option>

</select>

</div>

<div class="form-group">

<label for="destination">Destination</label>

<select class="form-control" id="destination"

name="destination">

<option value="USA">USA</option>

<option value="UK">UK</option>

<option value="India">India</option>

</select>

</div>

<div>

<label for="persons">No of Persons</label>

<select class="form-control" id="persons" name="persons">

<option value="1">1</option>

<option value="2">2</option>

<option value="3">3</option>

<option value="4">4</option>

<option value="5">5</option>

</select>

</div>

<br>

<button type="submit" class="btn btn-success btn-block"

value="Submit">Search Flights</button>

</form>

</section>

</section>

</section>

</body>

</html>

SEARCH-RESULT

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

<%@ page import="model.Search" %>

<%

String driverName = "com.mysql.jdbc.Driver";

// String connectionUrl = "jdbc:mysql://flyawaydb.cyp0rsmjgi5q.ap-south-

1.rds.amazonaws.com:3306/";

// String dbName = "flyaway";

// String userId = "root";

// String password = "adminadmin";

String connectionUrl = "jdbc:mysql://localhost:3306/flyaway";

String dbName = "flyaway";

String userId = "root";

String password = "8340";

String query = Search.getQuery();

try {

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

} catch (ClassNotFoundException e) {

e.printStackTrace();

}

Connection connection = null;

Statement statement = null;

ResultSet resultSet = null;

%>

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Search Results - FlyAway Airlines</title>

<link rel = "shortcut icon" type = "image/png" href = "img/favicon.png" >

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">

<link rel="stylesheet"

href="https://fonts.googleapis.com/css?family=Raleway">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font

awesome/4.7.0/css/font-awesome.min.css">

<link rel="stylesheet"

href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script

src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></scri

pt>

<script

src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></s

cript>

<style>

body,h1,h2,h3,h4,h5,h6 {font-family: "Raleway", sans-serif}

body, html {

height: 100%;

line-height: 1.8; }

.bgimg-1 {

background-position: center;

background-size: cover;

background-image: url("img/flt.jpg");

min-height: 100%;

}

.w3-bar .w3-button {

padding: 16px;

}

</style>

</head>

<body>

<div class="w3-bar w3-white w3-card" id="myNavbar">

<a href="index.jsp" class="w3-bar-item w3-button w3-wide"><img

src="img/favicon.png" class="img-fluid" alt="image" width="18%"> Get Ready

To Fly</a>

<div class="w3-right w3-hide-small">

<a href="login.jsp" class="w3-bar-item w3-button"><i class="fa fa

gear"></i> Admin Login</a>

</div>

</div>

<div class="container">

<h2 align="center"><span><strong>Search Results</strong></span></h2>

<p align="center"><span><strong>

Showing available flights from <%=Search.source%> to

<%=Search.destination%> <br>

Date of travel : <%=Search.date%> (<%=Search.day%>) <br>

No of travellers : <%=Search.persons%> <br>

</p>

<table class="table table-hover table-striped">

<thead>

<tr>

<th scope="col">Flight</th>

<th scope="col">Source</th>

<th scope="col">Destination</th>

<th scope="col">Date</th>

<th scope="col">Ticket Price</th>

<th scope="col">Select</th>

</tr>

</thead>

<tbody>

<br><p align="center"><span><strong>Select a

flight</strong></span></p><br>

<%

try{

connection =

DriverManager.getConnection(connectionUrl+dbName, userId, password);

statement=connection.createStatement();

resultSet = statement.executeQuery(query);

while(resultSet.next()){

%>

<tr bgcolor="#F5F5F5">

<td><%=resultSet.getString("name") %></td>

<td><%=resultSet.getString("source") %></td>

<td><%=resultSet.getString("destination") %></td> <td><%=Search.date%></td>

<td><%=resultSet.getString("ticket\_price") %></td>

<td>

<form action="${pageContext.request.contextPath}/booking

details.jsp" method="post">

<input type="hidden" id="name" name="name"

value="<%=resultSet.getString("name")%>">

<input type="hidden" id="ticket\_price"

name="ticket\_price" value="<%=resultSet.getString("ticket\_price")%>">

<input type="hidden" id="flight\_id" name="flight\_id"

value="<%=resultSet.getString("flight\_id")%>">

<input type="submit" class="btn btn-success" value="Book

This Flight">

</form>

</td>

</tr>

<%

}

} catch (Exception e) {

e.printStackTrace();

}

%>

</tbody>

</table>

</div>

</body>

</html>

PAYMENT

<%@ page import="model.Booking" %>

<%@ page import="model.Search" %>

<%

Booking.passenger\_name = request.getParameter("pname");

Booking.passenger\_email= request.getParameter("email");

Booking.passenger\_phone= request.getParameter("phone");

if (Booking.passenger\_name.equals("")

|| Booking.passenger\_email.equals("")

|| Booking.passenger\_phone.equals("")) {

out.println("Please enter valid passenger details");

}

else {

%>

<!DOCTYPE html>

<html>

<head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>Payment Details - FlyAway Airlines</title>

<link rel = "shortcut icon" type = "image/png" href = "img/favicon.png" >

<link rel="stylesheet"

href="${pageContext.request.contextPath}/style/global.css">

<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css"> <link rel="stylesheet"

href="https://fonts.googleapis.com/css?family=Raleway">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font

awesome/4.7.0/css/font-awesome.min.css">

<link rel="stylesheet"

href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">

<script

src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></scri

pt>

<script

src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></s

cript>

<style>

body,h1,h2,h3,h4,h5,h6 {font-family: "Raleway", sans-serif}

body, html {

height: 100%;

line-height: 1.8;

}

.bgimg-1 {

background-position: center;

background-size: cover;

background-image: url("img/home.png");

min-height: 100%;

}

.w3-bar .w3-button {

padding: 16px;

}

</style>

</head>

<body>

<div class="w3-bar w3-white w3-card" id="myNavbar">

<a href="/index.jsp" class="w3-bar-item w3-button w3-wide"><img

src="img/favicon.png" class="img-fluid" alt="image" width="18%"> Get Ready

to Fly</a>

<div class="w3-right w3-hide-small">

<a href="login.jsp" class="w3-bar-item w3-button"><i class="fa fa

gear"></i> Admin Login</a>

</div>

</div>

<section class="container-fluid bg">

<section class="row justify-content-center">

<div class="row">

<div class="col">

<h1 align="center"

style="color:whitesmoke;"><b>Checkout</b></h1>

<p align="center"

style="color:whitesmoke;"><span><strong>Enter Payment

Details</strong></span></p><br>

</div>

</div>

<section class="col-sm-6 col-md-3">

<form action="${pageContext.request.contextPath}/thank

you.jsp" method="post" class="form-container">

<div class="form-group">

<label for="card\_details">Name on Card</label> <input type="text" class="form-control"

id="name\_on\_card" name="name\_on\_card" placeholder="Enter Name on Card">

</div>

<div class="form-group">

<label for="card\_details">Card Number</label>

<input type="number" class="form-control"

id="card\_details" name="card\_details" placeholder="Enter Card Number">

</div>

<br>

<p align="left"><span><strong>Total fare = <br>

<%=Booking.ticket\_price%> X <%=Search.persons%> persons =

Rs.<%=Booking.ticket\_price\*Search.persons%></strong></span></p>

<button type="submit" class="btn btn-success btn-block"

value="Submit">Confirm Payment</button>

</form>

</section>

</section>

</section>

</body>

</html>

<%

}

%>