# 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"*>

<title>FlyAway</title>

</head>

<body>

<%@include file=*"header.html"* %>

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

Enter the source: <input type=*"text"* name=*"source"*><br>

Enter the destination: <input type=*"text"* name=*"destination"*><br>

Enter departure date: <input type=*"date"* name=*"departure"*><br>

<input type=*"submit"* value=*"Submit"*>

</form>

<%@include file=*"footer.html"* %>

</body>

</html>

# ValidationFilter.java:

package filters;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.ArrayList;

import java.util.List;

import javax.servlet.Filter;

import javax.servlet.FilterChain;

import javax.servlet.FilterConfig;

import javax.servlet.ServletException;

import javax.servlet.ServletRequest;

import javax.servlet.ServletResponse;

import org.hibernate.SQLQuery;

import org.hibernate.Session;

import org.hibernate.query.NativeQuery;

import com.mysql.cj.Query;

import flyawayapp.model.FlightDetails;

import flyawayapp.utils.HibernateUtils;

public class ValidationFilter implements Filter {

public ValidationFilter() {

// TODO Auto-generated constructor stub

}

public void destroy() {

// TODO Auto-generated method stub

}

public void doFilter(ServletRequest request, ServletResponse response, FilterChain chain) throws IOException, ServletException {

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

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

Session session = HibernateUtils.getSessionFactory().openSession();

// to select source

String sqlSource = "SELECT source FROM flyaway.flightdetails;";

NativeQuery sourceQuery = session.createSQLQuery(sqlSource);

List sourceResults = sourceQuery.list();

System.out.println(sourceResults);

List<String> arraySourceResults = new ArrayList<String>();

arraySourceResults.addAll(sourceResults);

System.out.println(arraySourceResults);

// to select destination

String sqlDestination = "SELECT destination FROM flyaway.flightdetails;";

NativeQuery destinationQuery = session.createSQLQuery(sqlDestination);

List destinationResults = destinationQuery.list();

System.out.println(destinationResults);

List<String> arrayDestinationResults = new ArrayList<String>();

arrayDestinationResults.addAll(destinationResults);

System.out.println(arrayDestinationResults);

if((arraySourceResults.contains(source)) && (arrayDestinationResults.contains(destination))) {

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

System.out.println("Bye from filter");

} else {

request.getRequestDispatcher("index.jsp").include(request, response);

PrintWriter out = response.getWriter();

out.println("<span style='color:red'>Invalid Source or Destination</span>");

}

}

// if (source == null || destination == null ) {

// PrintWriter out = response.getWriter();

// request.getRequestDispatcher("index.jsp").include(request, response);

// out.println("<span style='color:red'>Invalid Source or Destination</span>");

// }

public void init(FilterConfig fConfig) throws ServletException {

}

}

# FlightList.jsp:

<%@page import=*"org.hibernate.internal.build.AllowSysOut"*%>

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

pageEncoding=*"ISO-8859-1"*%>

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/sql"* prefix=*"sql"* %>

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"* %>

<!DOCTYPE html>

<html>

<head>

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

<title>Flights List</title>

</head>

<body>

<sql:setDataSource

var=*"myDB"*

driver=*"com.mysql.cj.jdbc.Driver"*

url=*"jdbc:mysql://localhost:3306/flyaway?useSSL=false"*

user=*"root"* password=*"1Leanest!"*

/>

<%

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

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

%>

<sql:query var=*"listItems"* dataSource=*"*${myDB}*"*>

SELECT \* FROM flyaway.flightdetails

WHERE SOURCE= '<%=source %>';

</sql:query>

<h1>Flights list are as follows:</h1>

<div align=*"center"*>

<table border=*"1"* cellpadding=*"5"*>

<caption><h2>List of destinations:</h2></caption>

<tr>

<th>ID</th>

<th>SOURCE</th>

<th>DESTINATION</th>

<th>DEPARTURE</th>

<th>PRICE</th>

<th>AIRLINES</th>

</tr>

<c:forEach var=*"item"* items=*"*${listItems.rows}*"*>

<tr>

<td><c:out value=*"*${item.id}*"* /></td>

<td><c:out value=*"*${item.SOURCE}*"* /></td>

<td><c:out value=*"*${item.DESTINATION}*"* /></td>

<td><c:out value=*"*${item.DEPARTURE}*"* /></td>

<td><c:out value=*"*${item.PRICE}*"* /></td>

<td><c:out value=*"*${item.AIRLINES}*"* /></td>

</tr>

</c:forEach>

</table>

</div>

<div>

<form action=*"UserInfo.jsp"* method=*"get"*>

Enter id to select the trip:<input type=*"number"* name=*"id"*>

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

</form>

</div>

</body>

</html>

# UserInfo.jsp:

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

pageEncoding=*"ISO-8859-1"*%>

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/sql"* prefix=*"sql"* %>

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"c"* %>

<!DOCTYPE html>

<html>

<head>

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

<title>User Info</title>

</head>

<body>

<sql:setDataSource

var=*"myDB"*

driver=*"com.mysql.cj.jdbc.Driver"*

url=*"jdbc:mysql://localhost:3306/flyaway?useSSL=false"*

user=*"root"* password=*"1Leanest!"*

/>

<%

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

%>

<sql:query var=*"listItems"* dataSource=*"*${myDB}*"*>

SELECT \* FROM flyaway.flightdetails

WHERE id= '<%=id %>';

</sql:query>

<div>

<div align=*"center"*>

<table border=*"1"* cellpadding=*"5"*>

<caption><h2>Your trip details:</h2></caption>

<tr>

<th>ID</th>

<th>SOURCE</th>

<th>DESTINATION</th>

<th>DEPARTURE</th>

<th>PRICE</th>

<th>AIRLINES</th>

</tr>

<c:forEach var=*"item"* items=*"*${listItems.rows}*"*>

<tr>

<td><c:out value=*"*${item.id}*"* /></td>

<td><c:out value=*"*${item.SOURCE}*"* /></td>

<td><c:out value=*"*${item.DESTINATION}*"* /></td>

<td><c:out value=*"*${item.DEPARTURE}*"* /></td>

<td><c:out value=*"*${item.PRICE}*"* /></td>

<td><c:out value=*"*${item.AIRLINES}*"* /></td>

</tr>

</c:forEach>

</table>

</div>

<form action=*"confirmationPage.jsp"* method=*"post"*>

Enter passenger name: <input type=*"text"* name=*"passenger"*>

Enter passenger age: <input type=*"number"* name=*"age"*>

Enter passenger email: <input type=*"email"* name=*"email"*>

Enter passenger address: <textarea rows=*"2"* cols=*"2"* name=*"address"*></textarea>

Enter payment method:

<input type=*"radio"* id=*"gpay"*>

<label for=*"gpay"*>Google pay</label>

<input type=*"radio"* id=*"debitcard"*>

<label for=*"debitcard"*>Debit card</label>

<input type=*"radio"* id=*"creditcard"*>

<label for=*"creditcard"*>Credit card</label>

<input type=*"submit"* value=*"submit"*>

</form>

</div>

</body>

</html>

# ConfirmationPage.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>Confirmation page</title>

</head>

<body>

<h2>Booking confirmed!</h2>

</body>

</html