Contents

[**1. Github link: 1**](#_Toc84252770)

[**2. Project code: 2**](#_Toc84252771)

[**3. Pom.xml: 3**](#_Toc84252772)

[**4. Web.xml: 6**](#_Toc84252773)

[**5. Hibernate.annotation.cfg.xml 7**](#_Toc84252774)

[**6. Index.html: 8**](#_Toc84252775)

[**7. Login.html: 9**](#_Toc84252776)

[**8. Login.java: 10**](#_Toc84252777)

[**9. Databash.html: 12**](#_Toc84252778)

[**10. Changepassword.html: 12**](#_Toc84252779)

[**11. Changedpassword.java: 13**](#_Toc84252780)

[**12. Verifiedpassword.html: 16**](#_Toc84252781)

[**13. Searchflights.java: 16**](#_Toc84252782)

[**14. Registaration.html: 21**](#_Toc84252783)

[**15. Registaration.java: 22**](#_Toc84252784)

[**16. Payment.html: 27**](#_Toc84252785)

[**17. Payment.java: 28**](#_Toc84252786)

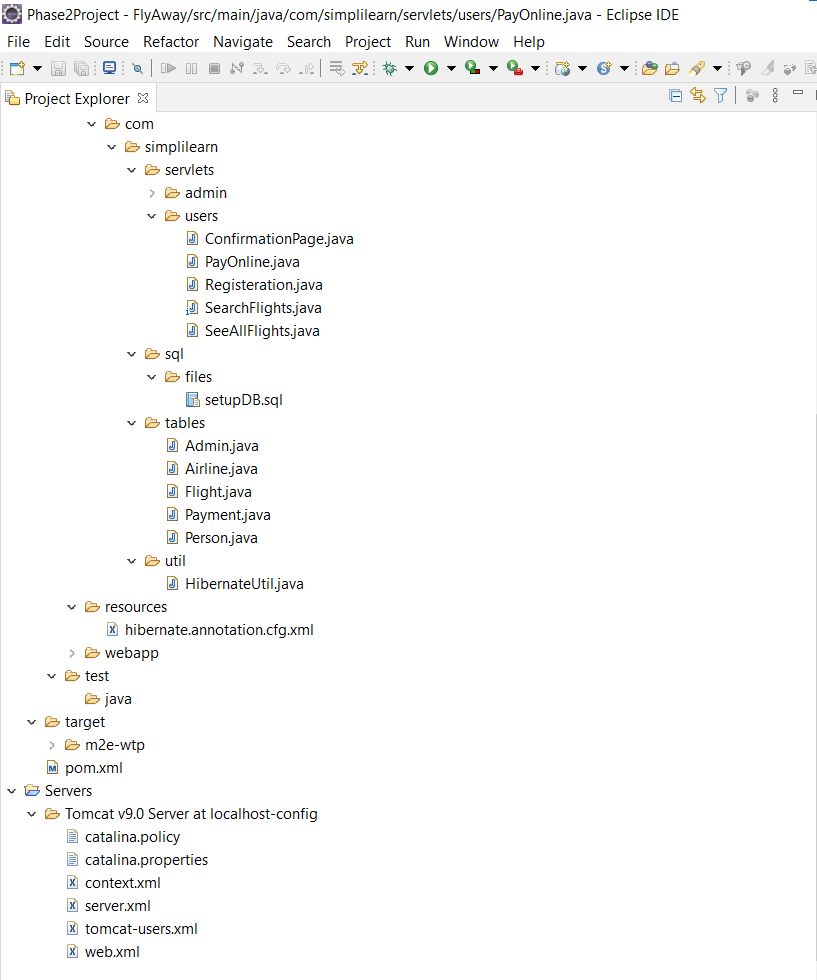
[**18. Conformpayment.java: 33**](#_Toc84252787)

# Github link:

|  |
| --- |
| https://github.com/kumarabhishek7885/flyaway1.git |

# Project code:

|  |
| --- |
| **Folder Structure** |
|  |



# 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 http://maven.apache.org/maven-v4\_0\_0.xsd"*> <modelVersion>4.0.0</modelVersion>

<groupId>com.simplilearn</groupId>

<artifactId>flyaway</artifactId>

<packaging>war</packaging>

<version>0.0.1-SNAPSHOT</version>

<name>flyaway Maven Webapp</name>

<url>http://maven.apache.org</url>

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>3.8.1</version>

<scope>test</scope>

</dependency>

<!-- hibernate-core -->

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>5.4.1.Final</version>

</dependency>

<!-- mysql-connector-java -->

<dependency>

<groupId>mysql</groupId>

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

<version>8.0.21</version>

</dependency>

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>servlet-api</artifactId>

<version>2.5</version>

</dependency>

</dependencies>

<build>

<finalName>flyaway</finalName>

<sourceDirectory>src/main/java</sourceDirectory>

<plugins>

<plugin>

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

<version>3.5.1</version> <configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

</build>

</project>

# Web.xml:

<!DOCTYPE web-app PUBLIC

"-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"

"http://java.sun.com/dtd/web-app\_2\_3.dtd" >

<element>

<web-app>

<display-name>Archetype Created Web Application</display-name>

<servlet>

<servlet-name>login</servlet-name>

<display-name>login</display-name>

<description></description>

<servlet-class>com.simplilearn.servlets.admin.login</servlet-class>

</servlet>

<servlet>

<servlet-name>changedpassword</servlet-name> <display-name>changedpassword</display-name>

<description></description>

<servlet-class>com.simplilearn.servlets.admin.changedpassword</servlet-class> </servlet>

<servlet-mapping>

<servlet-name>login</servlet-name>

<url-pattern>/login</url-pattern>

</servlet-mapping>

<servlet-mapping>

<servlet-name>changedpassword</servlet-name>

<url-pattern>/changedpassword</url-pattern>

</servlet-mapping>

</web-app>

</element>

# Hibernate.annotation.cfg.xml

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name=*"hibernate.connection.driver\_class"*>com.mysql.cj.jdbc.Driver</property>

<property name=*"hibernate.connection.url"*>jdbc:mysql://localhost:3306/flyawaydb</property>

<property name=*"hibernate.connection.username"*>root</property>

<property name=*"hibernate.connection.password"*>Abhi18@ayaan19</property>

<property name=*"hibernate.connection.pool\_size"*>1</property>

<property name=*"hibernate.current\_session\_context\_class"*>thread</property>

<property name=*"hibernate.show\_sql"*>true</property>

<property name=*"hibernate.dialect"*>org.hibernate.dialect.MySQL5Dialect</property>

<property name=*"hibernate.id.new\_generator\_mappings"*>false</property>

<mapping class=*"com.simplilearn.tables.Admin"* />

<mapping class=*"com.simplilearn.tables.Airline"* /> <mapping class=*"com.simplilearn.tables.Flight"* />

<mapping class=*"com.simplilearn.tables.Payment"* />

<mapping class=*"com.simplilearn.tables.Person"* />

</session-factory>

</hibernate-configuration>

# Index.html:

<!DOCTYPE html>

<html>

<head>

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

<title>Welcome To Fly Away Ticket Booking Portal</title>

</head>

<body bgcolor=*"cyan"* >

<center>

<a href=*"login.html"*>

<input type=*"submit"* value=*"Admin-Login"*>

</a>

<hr>

<h1>Search For Flights</h1>

<form name=*"searchForFlights"* method=*"GET"* action=*"search-flights"*>

Flying From : <input type=*"text"* name=*"source"*> <br/>

Flying To : <input type=*"text"* name=*"destination"*> <br/>

Your Max Price : <input type=*"number"* name=*"price"*> <br/>

Flights On or After Date : <input type=*"date"* name=*"date"*> <br/>

<br/>

<input type=*"submit"* value=*"Search for flights!"*>

</form>

<form name =*"seeAllFlights"* method=*"GET"* action=*"see-all-flights"*>

<input type=*"submit"* value=*"See All Flights"*>

</form>

</center>

</body>

</html>

# Login.html:

<!DOCTYPE html>

<html>

<head>

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

<title>Admin Login Page</title>

</head>

<body align=*"center"*>

<a href=*"index.html"*>

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

</a>

<h1>Admin Login Page</h1>

<form name=*"loginForm"* method=*"POST"* action=*"login"*>

Username: <input type=*"text"* name=*"username"*> <br/>

Password : <input type=*"password"* name=*"password"*> <br/>

<br/>

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

</form>

</body>

</html>

# Login.java:

package com.simplilearn.servlets.admin;

import java.io.IOException; import java.io.PrintWriter;

import javax.servlet.ServletException; import javax.servlet.annotation.WebServlet; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse;

/\*\*

* Servlet implementation class login

\*/

@WebServlet("/login") public class login extends HttpServlet {

/\*\*

* \*/

private static final long serialVersionUID = 1L; public static boolean isLoggedIn = false;

public static String password = "1234"; public static String email = "Dill@arji.com";

@Override public void doPost (HttpServletRequest req, HttpServletResponse resp) throws IOException {

PrintWriter out = resp.getWriter();

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

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

if (email.equals(login.email) && pass.equals(login.password)){ isLoggedIn = true; out.println("You have LoggedIn");

try {

req.getRequestDispatcher("dashboard.html").forward(req, resp);

} catch (ServletException e) {

// TODO Auto-generated catch block

e.printStackTrace();

} catch (IOException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

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

}

out.close();

}

}

# Databash.html:

<!DOCTYPE html>

<html>

<head>

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

<title>Admin Dashboard</title>

</head>

<body bgcolor=*"skyblue"* align=*"center"*>

<a href=*"index.html"*><input type=*"submit"* value=*"Home"*></a> |

<a href=*"index.html"*><input type=*"submit"* value=*"Logout"*></a> |

<a href=*"changepassword.html"*><input type=*"submit"* value=*"Change password"*></a> |<br>

<img src=*"https://images.financialexpress.com/2020/08/Air-India-Reuters.jpg"*>

<hr>

</body>

</html>

# Changepassword.html:

<!DOCTYPE html>

<html>

<head>

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

<title>Admin Login Page</title>

</head>

<body align=*"center"*>

<a href=*"dashboard.html"*>Dashboard</a>

<h1>Change Password</h1>

<form name=*"change password"* method=*"POST"* action=*"change-password"*>

New Password : <input type=*"password"* name=*"password"*> <br/>

Confirm New Password: <input type=*"password"* name=*"confirmpassword"*> <br/>

<br/>

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

</form>

</body>

</html>

# Changedpassword.java:

package com.simplilearn.servlets.admin;

import java.io.IOException; import java.io.PrintWriter;

import javax.servlet.ServletException; import javax.servlet.annotation.WebServlet; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse;

/\*\*

* Servlet implementation class changedpassword

\*/

@WebServlet("/change-password") public class changedpassword extends HttpServlet { private static final long serialVersionUID = 1L;

/\*\*

* @see HttpServlet#HttpServlet()

\*/ public changedpassword() { super();

// TODO Auto-generated constructor stub

}

/\*\*

* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// TODO Auto-generated method stub

response.getWriter().append("Served at:

").append(request.getContextPath());

}

/\*\*

* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException {

// TODO Auto-generated method stub

PrintWriter out = resp.getWriter();

String pass = req.getParameter("password"); 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); try {

Thread.sleep(1000);

} catch (InterruptedException e) { // TODO Auto-generated catch block

e.printStackTrace();

}

}

else { out.println("something went wrong");

}

try {

req.getRequestDispatcher("passwordverified.html").forward(req, resp);

} catch (ServletException e) { // TODO Auto-generated catch block

e.printStackTrace();

} catch (IOException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

out.close();

}

}

# Verifiedpassword.html:

<!DOCTYPE html>

<html>

<head>

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

<title>password changed</title>

</head>

<body align=*"center"*>

<h1>your password has been changed successfully </h1>

<form action=*"dashboard.html"*>

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

</form>

</body>

</html>

# Searchflights.java:

package com.simplilearn.servlets.users;

import java.io.IOException; import java.io.PrintWriter; import java.sql.Date; 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 org.hibernate.Session; import org.hibernate.SessionFactory;

import com.simplilearn.tables.Flight; import com.simplilearn.util.HibernateUtil;

/\*\*

* Servlet implementation class SearchFlights

\*/

@WebServlet("/search-flights") public class SearchFlights extends HttpServlet { private static final long serialVersionUID = 1L;

/\*\*

* @see HttpServlet#HttpServlet()

\*/ public SearchFlights() {

}

/\*\*

* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

@SuppressWarnings({ "null", "unchecked" })

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

// print writer

PrintWriter out = response.getWriter(); response.setContentType("text/html");

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

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

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

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

//open a connection

try {

SessionFactory sFactory = HibernateUtil.buildSessionFactory(); Session session = sFactory.openSession(); session.beginTransaction();

String query = "select f from Flight f" +

" inner join Airline a" +

" on f.airline=a.id" +

" and f.numberOfSeats > 0";

if (source !=null && source.trim().length() > 0) {

String sourceQuery = " and f.source = '" + source + "'";

query = query.concat(sourceQuery);

}

if (destination != null &&

destination.trim().length() > 0) {

String destinationQuery = " and f.destination = '" + destination + "'";

query = query.concat(destinationQuery);

}

if (price !=null && price.trim().length() > 0) {

try {

Double priceParsed = Double.parseDouble(price);

String priceQuery = " and f.price <= " + priceParsed;

query = query.concat(priceQuery); } catch (Exception e){

out.println("<h1>You must enter a valid number for price<h1>");

}

}

if (date !=null && date.trim().length()> 0) {

try {

Date dateSql=Date.valueOf(date);

String dateQuery = " and

f.dateOfDeparture >= '" + dateSql + "'";

query = query.concat(dateQuery); } catch (Exception e1) {

out.println("<h1>You must enter the date correctly into yyyy-MM-dd format<h1>");

}

}

System.out.println(query);

List<Flight> flights = session.createQuery(query).list();

if (flights.size() > 0) { out.print("<a href=\"index.html\">Home</a>"); out.println("<h1>List of all Flights: </h1>");

out.println("<style> table,th,td { border : 1px solid black ; padding :15px;} </style>");

out.println("<table>"); out.println("<tr>");

|  |  |
| --- | --- |
| out.println("</th>"); | out.println("<th>"); out.println("Flight ID"); |
| out.println("</th>"); | out.println("<th>"); out.println("Airline"); |
| out.println("</th>"); | out.println("<th>"); out.println("Number Of Seats"); |
| out.println("</th>"); | out.println("<th>"); out.println("Source"); |
| out.println("</th>"); | out.println("<th>"); out.println("Desintation"); |
| out.println("</th>"); | out.println("<th>"); out.println("Departure Date"); |
| out.println("</th>"); | out.println("<th>"); out.println("Arrival Date"); |
| out.println("</th>"); | out.println("<th>"); out.println("Price"); |

out.println("</tr>"); for(Flight i:flights) { if (i.getNumberOfSeats() > 0) {

out.println("<tr>");

out.println("<td>"); out.println(i.getId()); out.println("</td>");

out.println("<td>");

out.println(i.getAirline().getAirline().toString()); out.println("</td>");

out.println("<td>"); out.println(i.getNumberOfSeats()); out.println("</td>");

out.println("<td>"); out.println(i.getSource()); out.println("</td>");

out.println("<td>");

out.println(i.getDestination()); out.println("</td>");

out.println("<td>");

out.println(i.getDateOfDeparture()); out.println("</td>");

out.println("<td>");

out.println(i.getDateOfArrival()); out.println("</td>");

out.println("<td>");

out.println(i.getPrice()); out.println("</td>");

out.println("</tr>");

}

}

out.println("</table>");

request.getRequestDispatcher("registeration.html").include(request, response);

} else {

out.print("<a href=\"index.html\">Home</a>");

out.print("<h1>Sorry there are no flights currently!<h1>");

}

session.close(); out.close();

} catch (Exception e) {

e.printStackTrace();

}

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

}

}

# Registaration.html:

<!DOCTYPE html>

<html>

<head>

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

<title>Flight Registration Page</title>

</head>

<body align=*"center"*>

<h1>Flight Registration Page</h1>

<form name=*"flightRegistraton"* method=*"POST"* action=*"registeration"*>

Flight ID : <input type=*"number"* name=*"flightid"* placeholder=*"flight id"* required> <br/>

First Name : <input type=*"text"* name=*"firstname"* placeholder=*"First name"* required> <br/>

Last Name : <input type=*"text"* name=*"lastname"* placeholder=*"Last name"* required> <br/>

Email : <input type=*"email"* name=*"email"* placeholder=*"enter email id"* required> <br/>

Birthday (yyyy-MM-dd) : <input type=*"date"* name=*"birthday"* placeholder=*"Dob"* required> <br/>

<br/>

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

</form>

</body>

</html>

# Registaration.java:

package com.simplilearn.servlets.users;

import java.io.IOException; import java.io.PrintWriter; import java.sql.Date; import java.util.List; import java.util.regex.Pattern;

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 org.hibernate.Session; import org.hibernate.SessionFactory;

import com.simplilearn.tables.Flight; import com.simplilearn.util.HibernateUtil;

/\*\*

* Servlet implementation class Registration

\*/

@WebServlet("/registeration") public class Registeration extends HttpServlet { private static final long serialVersionUID = 1L;

/\*\*

* @see HttpServlet#HttpServlet()

\*/ public Registeration() {

}

/\*\*

* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

}

/\*\*

* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

@SuppressWarnings("unchecked")

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

// print writer

PrintWriter out = response.getWriter(); response.setContentType("text/html");

HttpSession httpsession = request.getSession();

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

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

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

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

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

request.setAttribute("firstname", firstname);

Date dateSqlBirthday = null;

try {

dateSqlBirthday = Date.valueOf(birthday);

} catch (Exception e1) {

out.print("<a href = \"registeration.html\"> Re-Enter Information

</a><br/>");

out.print("Make sure you are entering your date code in correctly (yyyy-MM-dd)");

}

//email

if (!(Pattern.matches("[A-Za-z0-9]+(.+)@(.+)", email))) {

out.print("<a href = \"registeration.html\"> Re-enter Information

</a><br/>"); out.print("Make sure you are entering in a valid email address");

} else if (dateSqlBirthday==null){

out.print("<a href = \"registeration.html\"> Re-enter Information

</a><br/>");

out.print("Make sure you are entering in a valid date format

(yyyy-MM-dd)");

} else {

httpsession.setAttribute("flightid", flightid); httpsession.setAttribute("firstname", firstname); httpsession.setAttribute("lastname", lastname); httpsession.setAttribute("email", email); httpsession.setAttribute("birthday", birthday);

//open a connection

try {

SessionFactory sFactory = HibernateUtil.buildSessionFactory(); Session session = sFactory.openSession(); session.beginTransaction();

String query = "select f from Flight f" +

" inner join Airline a" +

" on f.airline=a.id" +

" and f.numberOfSeats > 0";

if (flightid !=null && flightid.trim().length() > 0)

{

try {

int flightIdParsed =

Integer.parseInt(flightid);

String flightIdQuery = " and f.id =" + flightIdParsed;

query = query.concat(flightIdQuery); } catch (Exception e){

out.println("<h1>You must enter a valid flight id<h1>");

}

}

List<Flight> flights = session.createQuery(query).list();

if (flights.size() > 0) { out.print("<a href=\"index.html\">Home</a>"); out.println("<h1>Confirm Flight Details: </h1>"); for(Flight i:flights) { if (i.getNumberOfSeats() > 0) { out.println("Flight ID: " + i.getId() + "<br/>");

out.println("Airline: " +

i.getAirline().getAirline().toString() + "<br/>");

|  |  |  |  |
| --- | --- | --- | --- |
| "<br/>"); |  |  | out.println("Number Of Seats: " + i.getNumberOfSeats() + |
|  |  |  | out.println("Source " + i.getSource() + "<br/>"); |
| "<br/>"); |  |  | out.println("Desintation:" + i.getDestination() + |

out.println("Departure Date: "+i.getDateOfDeparture() +

"<br/>");

out.println("Arrival Date: " + i.getDateOfArrival() +

"<br/>");

out.println("<h1>Your Total is: $" + i.getPrice() +

"<h1><br/>");

out.println("<hr>");

}

}

request.getRequestDispatcher("payment.html").include(request, response);

} else {

out.print("<a href=\"index.html\">Home</a>"); out.print("<h1>You must enter a valid flight id!<h1>");

}

session.close(); out.close();

} catch (Exception e) {

e.printStackTrace();

}

}

}

}

# Payment.html:

<!DOCTYPE html>

<html>

<head>

<meta charset=*"UTF-8"*> <title>Payment</title> </head>

<body align =*"center"*>

<h1>Enter Payment Details</h1>

<form name=*"paymentDetails"* method=*"POST"* action=*"pay-online"*>

First Name On Card : <input type=*"text"* name=*"firstname"* placeholder=*"John"* required> <br/>

Last Name On Card : <input type=*"text"* name=*"lastname"* placeholder=*"Smith"* required> <br/>

Card Number: <input type=*"text"* name=*"cardnumber"* placeholder=*"1234 1234 4321 9123"* required> <br/>

Expiration (yyyy-MM-dd) : <input type=*"date"* name=*"expiration"* placeholder=*"2027-10-31"* required> <br/>

Security Code : <input type=*"number"* name=*"securitycode"* placeholder=*"987"* required> <br/>

<br/>

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

</form>

</body>

</html>

# Payment.java:

package com.simplilearn.servlets.users;

import java.io.IOException; import java.io.PrintWriter; import java.sql.Date; import java.util.HashSet; import java.util.List; import java.util.Set; import java.util.regex.Pattern;

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 org.hibernate.Session; import org.hibernate.SessionFactory; import org.hibernate.query.Query;

import com.simplilearn.tables.Flight; import com.simplilearn.tables.Payment; import com.simplilearn.tables.Person; import com.simplilearn.util.HibernateUtil;

/\*\*

* Servlet implementation class PayOnline

\*/

@WebServlet("/pay-online") public class PayOnline extends HttpServlet { private static final long serialVersionUID = 1L;

/\*\*

* @see HttpServlet#HttpServlet()

\*/

public PayOnline() {

}

/\*\*

* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

response.sendRedirect("payment.html");

}

/\*\*

* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

@SuppressWarnings({ "unchecked", "rawtypes" })

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

PrintWriter out = response.getWriter(); response.setContentType("text/html");

HttpSession httpsession = request.getSession(false);

String personflightid = (String) httpsession.getAttribute("flightid");

|  |  |
| --- | --- |
|  | out.print("<a href = \"payment.html\"> Re-enter Information </a><br/>");  };  } catch (Exception e1) { out.println("<h1>You must enter the date correctly into yyyy-MM-dd format<h1>"); out.print("<a href = \"payment.html\"> Re-enter Information </a><br/>");  }  String fName = request.getParameter("firstname");  String lName = request.getParameter("lastname");  String cardNumber = request.getParameter("cardnumber").replaceAll("\\s", "");  System.out.println(cardNumber);  String expiration = request.getParameter("expiration"); int securitycode = Integer.parseInt(request.getParameter("securitycode")); Date dateSqlPayment = null;  try {  dateSqlPayment=Date.valueOf(expiration);    } catch (Exception e1) { |

out.println("<h1>You must enter the date correctly into yyyy

-

MM

-

dd format<h1>");

out.print("<a href =

\

"payment.html

\

"> Re

-

enter Information </a><br/>");

}

if (!Pattern.matches("

\

\

d{15,16}", cardNumber)) {

out.print("<a href =

\

"pa

yment.html

\

"> Re

-

enter Information </a><br/>");

out.print("Make sure you are entering your card number in correctly");

else if (!Pattern.matches("

}

\

\

d{3,4}", Integer.toString(securitycode))) {

out.print("<a href =

\

"payment.html

\

"> Re

-

enter In

formation </a><br/>");

out.print("Make sure you are entering your security code in correctly");

}

else if (dateSqlPayment.before(timeBooked))

{

out.println("<h1>You must ensure your card is not expired<h1>");

out.print("<a href =

\

"payment.html

\

"> Re

-

enter Information </a><br/>");

}

else {

//step 1. Confirm Fields Match Criteria

//Else redirect to payment

//step 2. insert into person table

//open a connection

try {

SessionFactory sFactory = HibernateUtil.buildSessionFa

ctory();

Session session = sFactory.openSession();

session.beginTransaction();

int personflightidConverted = Integer.parseInt(personflightid);

String query1 = " from Flight where id = " + personflightidConverted;

List<Flight> list = (List<Flight>) session.createQuery(query1).list();

Set<Flight> flights = new HashSet<Flight>(list);

Person person = new Person(); person.setFirstName(personfirstname); person.setLastName(personlastname); person.setEmail(personemail); person.setBirthday(dateSqlPerson); person.setTimeBooked(timeBooked); person.setFlights(flights);

Payment payment = new Payment(); payment.setFirstNameOnCard(fName); payment.setLastNameOnCard(lName); payment.setCardNumber(cardNumber); payment.setExpiration(dateSqlPayment); payment.setSecurityCode(securitycode); payment.setPerson(person);

session.save(person); session.save(payment);

String query = "select numberOfSeats from Flight f" +

" where id = " + personflightidConverted;

int resultFromQ1 = (int) session.createQuery(query).getSingleResult(); Query q3=session.createQuery("update Flight set numberOfSeats=:n where id=:i"); q3.setParameter("n",(resultFromQ1 - 1));

|  |  |  |
| --- | --- | --- |
|  |  | q3.setParameter("i",personflightidConverted);      int status=q3.executeUpdate(); System.out.println(status);  session.getTransaction().commit(); session.close(); response.sendRedirect("confirmation-page"); out.close();  } catch (Exception e) {  e.printStackTrace();  }  }  //step 3. insert into payment table  //step 4. reduce person count  //step 5. Redirect to confirmation page  }  } |

# Conformpayment.java:

package com.simplilearn.servlets.users;

import java.io.IOException; import java.io.PrintWriter; 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 org.hibernate.Session; import org.hibernate.SessionFactory;

import com.simplilearn.tables.Flight; import com.simplilearn.util.HibernateUtil;

/\*\*

* Servlet implementation class ConfirmationPage

\*/

@WebServlet("/confirmation-page") public class ConfirmationPage extends HttpServlet { private static final long serialVersionUID = 1L;

/\*\*

* @see HttpServlet#HttpServlet()

\*/

public ConfirmationPage() {

}

/\*\*

* @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// print writer

PrintWriter out = response.getWriter(); response.setContentType("text/html");

HttpSession httpsession = request.getSession();

String flightid = (String) httpsession.getAttribute("flightid"); String firstName = (String) httpsession.getAttribute("firstname"); int flightIdConverted = Integer.parseInt(flightid);

//open a connection

try {

SessionFactory sFactory = HibernateUtil.buildSessionFactory(); Session session = sFactory.openSession(); session.beginTransaction();

String query = "select f from Flight f" +

" inner join Airline a" +

" on f.airline=a.id" +

" and f.numberOfSeats > 0" +

" and f.id = " + flightIdConverted;

@SuppressWarnings("unchecked")

List<Flight> flights = session.createQuery(query).list();

if (flights.size() > 0) {

out.print("<a href=\"index.html\">Home</a><br/>");

out.println("<h1>Congratulations! You're all set, " + firstName

+ "!</h1><br/><br/>");

out.println("<h1>List of Confirmed Flights for " + firstName +

"</h1><hr>");

out.println("<style> table,th,td { border : 1px solid black ; padding :15px;} </style>");

out.println("<table>"); out.println("<tr>");

|  |  |
| --- | --- |
| out.println("</th>"); | out.println("<th>"); out.println("Flight ID"); |
| out.println("</th>"); | out.println("<th>"); out.println("Airline"); |
| out.println("</th>"); | out.println("<th>"); out.println("Number Of Seats"); |
| out.println("</th>"); | out.println("<th>"); out.println("Source"); |
| out.println("</th>"); | out.println("<th>"); out.println("Desintation"); |
| out.println("</th>"); | out.println("<th>"); out.println("Departure Date"); |
| out.println("</th>"); | out.println("<th>"); out.println("Arrival Date"); |
| out.println("</th>"); | out.println("<th>"); out.println("Price"); |

out.println("</tr>"); for(Flight i:flights) { if (i.getNumberOfSeats() > 0) {

out.println("<tr>");

out.println("<td>"); out.println(i.getId()); out.println("</td>");

out.println("<td>");

out.println(i.getAirline().getAirline().toString()); out.println("</td>");

out.println("<td>");

out.println(i.getNumberOfSeats()); out.println("</td>");

out.println("<td>");

out.println(i.getSource()); out.println("</td>");

out.println("<td>");

out.println(i.getDestination()); out.println("</td>");

out.println("<td>");

out.println(i.getDateOfDeparture()); out.println("</td>");

out.println("<td>");

out.println(i.getDateOfArrival()); out.println("</td>");

out.println("<td>");

out.println(i.getPrice()); out.println("</td>");

out.println("</tr>");

}

}

out.println("</table>");

} else {

out.print("<a href=\"index.html\">Home</a>");

out.print("<h1>Sorry You don't have any are no flights currently!<h1>");

}

session.close();

} catch (Exception e) {

e.printStackTrace(); } finally { out.close();

}

}

/\*\*

\* @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

}

}