**Simplilearn FSJD – Become a backend expert Project**

**Name of the Project:**

FlyAway (An Airline Booking Portal)

**Developer Details:**

**Name -** Santosh

**Course**  - Full Stack Java Developer, Simplilearn

**Link to Github Repository:**

<https://github.com/Santoshpatil649/FlyAway.git>

**Sprints:**

1. index.html will create index page (home page) for flyaway booking portal which includes booking and admin login options.
2. Admin.java code will help you to verify your login details and open the next HTML page for you i.e. ->1.html or if you enter wrong login details it will prompt you with Invalid Credentials message.
3. 1.html code will give you welcome page for admin after you enter valid login details in the index.html page.
4. cp.html code will gives you instructions to change the password.
5. Change.java code will help you to verify whether you enter proper details and will change login password for you if you enter correct details. It will also prompt message as per you did the entries.
6. Add.html code will create a html page where admin can add flights.
7. AddFlight.java code will help you to add flight details in backend that is in SQL database.
8. FlightServe.java code will collect all data about the flights from database and forward it to show-flights.jsp. There it will ask the flight number to delete and it will delete it if you click delete. And it will give error as we have not created Flights class to track it.
9. FlightsDB.java code will help you to get list of flights added.
10. Flights.jsp code will collect the flight number to delete and it will delete it with help of Delete.java.
11. Book.java code will collect all details from database about flights and forward it to booking.jsp.
12. Payment.java code will help to set flight and customer details using Customer.java class.
13. Payment.html code helps to get payment details.
14. Validation.java Filter will help to validate the payment details and we need to configure our web.xml file so that our filter will work.
15. PaySuccess.java code generates the final receipt for you.

**Algorithms:**

**1.index.html :**

<!DOCTYPE html>

<html>

<head>

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

<title>FlyAway</title>

</head>

<body>

<h1><center>Welcome to FlyAway</center></h1><br><br><br><br><br>

<h2>Wanna Book Flight? Then Click the below Button</h2>

<button><a href=*"Book"*>Booking</a></button>

<h2 align=*"right"*>For Admin Use Only</h2>

<h2 align=*"right"*>Log In&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;</h2>

<h3 align=*"right"*>

<form action=*"Admin"* method=*"post"*>

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

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

<input type=*submit* value=*LogIn* name=*"login"*>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

</form>

</h3>

</body>

</html>

**2.Admin.java :**

package com.admin;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.Statement;

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 Admin

\*/

@WebServlet("/Admin")

public class Admin extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* Default constructor.

\*/

public Admin() {

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

PrintWriter pw=response.getWriter();

try{

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

String user="root";

String password="root";

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

Connection con=DriverManager.getConnection(url,user,password);

PreparedStatement ps=con.prepareStatement("select \* from admin");

ResultSet rs=ps.executeQuery();

if(rs.next()) {

if(request.getParameter("username").equals(rs.getString(1))&&request.getParameter("password").equals(rs.getString(2))) {

request.getRequestDispatcher("1.html").include(request, response);

}

else {

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

pw.println("<h3 align='right'><SPAN style='color:red'>Invalid Credentials</SPAN></h3>");

}

}

}

catch (Exception e) {

pw.print(e);

}

}

}

**3.cp.html (change password):**

<!DOCTYPE html>

<html>

<head>

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

<title>Change Password</title>

</head>

<body>

<br><br><br><br><br><br>

<center>

<h1>Change Password</h1><br>

<h4>1)Old Password should be correct<br>2)New Password and Old Password

should not be same<br>3)Confirm Password should match New Password<br>

Note:If any of the above confition fails then it will be considered as Invalid Credentials</h4>

<h2>

<form action=*"Change"* method=*"post"*>

Enter Old Password:<input type=*"password"* name=*"oldpassword"*><br><br>

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

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

<input type=*"submit"* name=*"cpass"* value=*"Change Password"*><br>

</form>

<button><a href=*"1.html"*>Cancel</a></button>

</h2></center>

</body>

</html>

**4.Change.java (change password):**

package com.admin;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

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 Change

\*/

@WebServlet("/Change")

public class Change extends HttpServlet {

private static final long serialVersionUID = 1L;

/\*\*

\* @see HttpServlet#HttpServlet()

\*/

public Change() {

super();

// TODO Auto-generated constructor stub

}

/\*\*

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

\*/

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

// TODO Auto-generated method stub

PrintWriter pw = response.getWriter();

try {

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

String user = "root";

String password = "root";

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

Connection con = DriverManager.getConnection(url, user, password);

PreparedStatement ps = con.prepareStatement("select \* from admin");

ResultSet rs = ps.executeQuery();

if(rs.next()) {

if(request.getParameter("newpassword").equals(request.getParameter("conpassword"))&&request.getParameter("oldpassword").equals(rs.getString(2))&&!request.getParameter("newpassword").equals(rs.getString(2)))

{

PreparedStatement ps1 = con.prepareStatement("update admin set password=? where username=?");

ps1.setString(1,request.getParameter("newpassword"));

ps1.setString(2, "santosh");

ps1.executeQuery();

ps1.close();

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

pw.println("<center><SPAN style='colour:green'>Password changed successfully</SPAN></center>");

}else {

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

pw.println("<center><SPAN style='colour:red'>Invalid Credentials</SPAN></center>");

}

}

} catch (Exception e) {

// TODO Auto-generated catch block

pw.print(e);

}

}

}

**5.add.html (Add Flights) :**

<!DOCTYPE html>

<html>

<head>

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

<title>Add Flight</title>

</head>

<body>

<h3 align=*"right"*><a href=*"1.html"*>Back</a></h3>

<br><br><br><br>

<h1 align=*"center"*>Add Flight</h1>

<h3 align=*"center"*>Note:Please enter details properly as the same will be visible to the Customers</h3>

<h3>

<form align=*"center"* action=*"AddFlight"* method=*"post"*>

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

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

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

Time:<input type=*"text"* name=*"time"*><br><br>

Duration(in hrs):<input type=*"number"* name=*"duration"*><br><br>

<input type=*"submit"* name=*"add"* value=*"Add"*>

</form>

</h3>

</body>

</html>

**6.AddFlight.java :**

**package** com.admin;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**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 AddFlight

\*/

@WebServlet("/AddFlight")

**public** **class** AddFlight **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** AddFlight() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

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

PrintWriter pw=response.getWriter();

**try**{

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

String user="root";

String password="root";

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

Connection con=DriverManager.*getConnection*(url,user,password);

**if**(!request.getParameter("source").equals(request.getParameter("destination"))) {

PreparedStatement ps=con.prepareStatement("insert into flights(source,destination,time,duration,price) values(?,?,?,?,?)");

ps.setString(1, request.getParameter("source"));

ps.setString(2, request.getParameter("destination"));

ps.setString(3, request.getParameter("time"));

ps.setInt(4, Integer.*parseInt*(request.getParameter("duration")));

ps.setInt(5, Integer.*parseInt*(request.getParameter("price")));

ps.executeUpdate();

ps.close();

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

pw.println("<center><SPAN style='color:green'>Flight Added Successfully</SPAN></center>");

}

**else** {

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

pw.println("<center><SPAN style='color:red'>Source And Destination cannot be same</SPAN></center>");

}

}

**catch** (Exception e) {

pw.print(e);

}

}

}

**7.show-flights.jsp :**

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

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

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

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

<title>Flights List</title>

</head>

<body>

<h3 align=*"left"*><a href=*"1.html"*>Back</a></h3>

<h1 align=*"center"*>Available Flights</h1>

<table border=*"1"* cellpadding=*"30%"* align=*"center"* bgcolor=*"skyblue"*>

<tr>

<th>FlightNumber</th>

<th>Source</th>

<th>Destination</th>

<th>Time</th>

<th>Duration</th>

<th>Price</th>

</tr>

<c:forEach var=*"items"* items=*"*${flightlist}*"*>

<tr>

<td>${items.flightNumber}</td>

<td>${items.source}</td>

<td>${items.destination}</td>

<td>${items.time}</td>

<td>${items.duration}</td>

<td>${items.price}</td>

</tr>

</c:forEach>

</table>

<br><br>

<h2 align=*"center"*>Please enter the flight you want to delete</h2>

<h2><form action=*"Delete"* method=*"post"* align=*"center"*>

Flight Number:<input type=*"number"* name=*"flightnos"*><br><br>

<input type=*"submit"* value=*"Delete"* name=*"delete"*>

</form></h2>

</body>

</html>

**8.Delete.java :**

**package** com.admin;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**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 Delete

\*/

@WebServlet("/Delete")

**public** **class** Delete **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Delete() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

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

PrintWriter pw=response.getWriter();

**try**{

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

String user="root";

String password="root";

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

Connection con=DriverManager.*getConnection*(url,user,password);

PreparedStatement ps=con.prepareStatement("delete from flights where flightnumber=?");

ps.setString(1, request.getParameter("flightnos"));

ps.executeUpdate();

ps.close();

request.getRequestDispatcher("show-flights.jsp").include(request, response);

pw.println("<center><SPAN style='color:green'>Flight Deleted Successfully or entered Flight Number doesn't exist</SPAN></center>");

}

**catch** (Exception e) {

pw.print(e);

}

}

}

**package** com.admin;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.ResultSet;

**import** java.sql.SQLException;

**import** java.sql.Statement;

**import** java.util.ArrayList;

**8.FlightsDB.java :**

**import** java.util.List;

**public** **class** FlightsDB {

**public** **static** List<Flights> getFlightsList() **throws** ClassNotFoundException, SQLException{

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

String userName="root";

String password="root";

ArrayList<Flights> flights=**new** ArrayList<>();

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

Connection con=DriverManager.*getConnection*(url,userName,password);

Statement stmt=con.createStatement();

ResultSet rs=stmt.executeQuery("select \* from flights");

**while**(rs.next()) {

**int** flightnumber=rs.getInt(1);

String source=rs.getString(2);

String destination=rs.getString(3);

String time=rs.getString(4);

**int** duration=rs.getInt(5);

**int** price=rs.getInt(6);

Flights f=**new** Flights(flightnumber,source,destination,time,duration,price);

flights.add(f);

}

**return** flights;

}

}

**9.FlightsServe.java :**

**package** com.admin;

**import** java.io.IOException;

**import** java.sql.SQLException;

**import** java.util.List;

**import** javax.servlet.RequestDispatcher;

**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 FlightsServ

\*/

@WebServlet("/FlightsServ")

**public** **class** FlightsServ **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** FlightsServ() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

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

**try** {

List<Flights> flightlist=FlightsDB.*getFlightsList*();

request.setAttribute("flightlist", flightlist);

} **catch** (ClassNotFoundException | SQLException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

RequestDispatcher dispatcher=request.getRequestDispatcher("show-flights.jsp");

dispatcher.forward(request, response);

}

}

**10.Book.java (booking) :**

**package** com.admin;

**import** java.io.IOException;

**import** java.sql.SQLException;

**import** java.util.List;

**import** javax.servlet.RequestDispatcher;

**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 Book

\*/

@WebServlet("/Book")

**public** **class** Book **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Book() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

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

**try** {

List<Flights> flightlist=FlightsDB.*getFlightsList*();

request.setAttribute("flightlist", flightlist);

} **catch** (ClassNotFoundException | SQLException e) {

// **TODO** Auto-generated catch block

e.printStackTrace();

}

RequestDispatcher dispatcher=request.getRequestDispatcher("booking.jsp");

dispatcher.forward(request, response);

}

}

**11.booking.jsp :**

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

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

pageEncoding=*"UTF-8"*%>

<!DOCTYPE html>

<html>

<head>

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

<title>Flights List</title>

</head>

<body>

<h3 align=*"right"*><a href=*"index.html"*>Back</a></h3>

<h1 align=*"center"*>Available Flights</h1>

<table border=*"1"* cellpadding=*"30%"* align=*"center"* bgcolor=*"skyblue"*>

<tr>

<th>FlightNumber</th>

<th>Source</th>

<th>Destination</th>

<th>Time</th>

<th>Duration</th>

<th>Price</th>

</tr>

<c:forEach var=*"items"* items=*"*${flightlist}*"*>

<tr>

<td>${items.flightNumber}</td>

<td>${items.source}</td>

<td>${items.destination}</td>

<td>${items.time}</td>

<td>${items.duration}</td>

<td>${items.price}</td>

</tr>

</c:forEach>

</table>

<form action=*"Payment"* method=*"post"* align=*"center"*>

Name:<input type=*"text"* name=*"name"*><br><br>

Phone:<input type=*"number"* name=*"phone"*><br><br>

Flight Number:<input type=*"number"* name=*"flight"*><br><br>

<h3>Please Provide Correct Flight Number to avoid further Discrepancies</h3>

<input type=*"submit"* value=*"Proceed to Payment"*>

</form>

</body>

</html>

**12.payment.html :**

<!DOCTYPE html>

<html>

<head>

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

<title>Payment</title>

</head>

<body>

<h3 align=*"right"*><a href=*"booking.html"*>Back</a></h3>

<br><br><br><br><br>

<h1 align=*"center"*>Payment Gateway</h1><br>

<form align=*"center"* action=*"PaySuccess"* method=*"post"*>

Card Number(12 Digits):<input type=*"number"* name=*"cardno"*><br>

Expiry Month:<input type=*"number"* name=*"month"*><br>

Expiry Year:<input type=*"number"* name=*"year"*><br>

CVV(3 Digits):<input type=*"number"* name=*"cvv"*><br>

Card Holder Name:<input type=*"text"* name=*"name1"*><br>

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

</form>

</body>

</html>

**13.Payment.java :**

**package** com.admin;

**import** java.io.IOException;

**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;

/\*\*

\* Servlet implementation class Payment

\*/

@WebServlet("/Payment")

**public** **class** Payment **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Payment() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

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

Customer c=**new** Customer();

HttpSession session=request.getSession();

c.setFlightno(Integer.*parseInt*(request.getParameter("flight")));

c.setName(request.getParameter("name"));

c.setPhone(Long.*parseLong*(request.getParameter("phone")));

session.setAttribute("customer", c);

response.sendRedirect("payment.html");

}

}

**14. Validation.java :**

**package** com.admin;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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** javax.servlet.annotation.WebFilter;

**import** javax.servlet.http.HttpFilter;

**import** javax.servlet.http.HttpSession;

/\*\*

\* Servlet Filter implementation class Validation

\*/

@WebFilter("/Validation")

**public** **class** Validation **extends** HttpFilter **implements** Filter {

/\*\*

\* **@see** HttpFilter#HttpFilter()

\*/

**public** Validation() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** Filter#destroy()

\*/

**public** **void** destroy() {

// **TODO** Auto-generated method stub

}

/\*\*

\* **@see** Filter#doFilter(ServletRequest, ServletResponse, FilterChain)

\*/

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

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

**if**(cardno==**null**||!cardno.matches("[0-9]{12}")||!request.getParameter("cvv").matches("[0-9]{3}")){

PrintWriter pw=response.getWriter();

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

pw.println("<center><SPAN style='color:red'>Invalid Credentials</SPAN></center>");

}

**else** {

Customer c=**new** Customer();

c.setCardname(request.getParameter("name1"));

c.setCardno(Long.*parseLong*(request.getParameter("cardno")));

request.setAttribute("customer", c);

chain.doFilter(request, response);

}

}

/\*\*

\* **@see** Filter#init(FilterConfig)

\*/

**public** **void** init(FilterConfig fConfig) **throws** ServletException {

// **TODO** Auto-generated method stub

}

}

**15.PaySuccess.java :**

**package** com.admin;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**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;

/\*\*

\* Servlet implementation class PaySuccess

\*/

@WebServlet("/PaySuccess")

**public** **class** PaySuccess **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** PaySuccess() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

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

\*/

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

Flights f;

PrintWriter pw=response.getWriter();

HttpSession session =request.getSession(**false**);

Customer u=(Customer) session.getAttribute("customer");

Customer u2=(Customer) request.getAttribute("customer");

u.setCardname(u2.getCardname());

u.setCardno(u2.getCardno());

**try**{

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

String user="root";

String password="root";

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

Connection con=DriverManager.*getConnection*(url,user,password);

PreparedStatement ps=con.prepareStatement("select \* from flights where flightnumber=?");

ps.setInt(1, u.getFlightno());

ResultSet rs=ps.executeQuery();

**if**(rs.next()) {

f=**new** Flights(rs.getInt(1),rs.getString(2),rs.getString(3),rs.getString(4),rs.getInt(5),rs.getInt(6));

pw.print("<button><a href='index.html'>Home</a></button>");

pw.print("<h1 align='center'>Congratualtions you have Successfully booked your Ticket</h1><br>");

pw.print("<h2 align='center'>Details are as below</h2><br>");

pw.print("<center> Name:"+u.getName()+"</center>");

pw.print("<center> Flight Number:"+u.getFlightno()+"</center>");

pw.print("<center> Source:"+f.getSource()+"</center>");

pw.print("<center> Destination:"+f.getDestination()+"</center>");

pw.print("<center> Time:"+f.getTime()+"</center>");

pw.print("<center>Payment Details are as Follows:</center>");

pw.print("<center> Price:"+f.getPrice()+"</center>");

pw.print("<center> CardNumber:"+u.getCardno()+"</center>");

pw.print("<center> Name of CardHolder:"+u.getCardname()+"</center><br>");

pw.print("<center>Payment Status:<span style='color:green'>Successful</span></center>");

}

}

**catch** (Exception e) {

pw.print(e);

}

}}

**Core Concepts used in the Project:**

1. Servlet Interfaces
2. Servlet Session Tracking
3. Servlet Filters
4. Java Server Page
5. HTTP Methods – doGet, doPost
6. JDBC – Connection, Statement, Resultset
7. Exception Handling
8. CRUD operations in MYSQL
9. JSP Lifecycle
10. URL-rewriting
11. HTML