**FLYAWAY**

**An Airline Booking Portal**

**System Designed and Developed by**

**HEERA P**

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## **1.0 Introduction**

### 1.1 Scope

### FlyAway is a ticket-booking portal that lets people book flights on their website.

### 1.2 Product Features

### The major features that the application will perform: -

### Search flights based on conditions.

### Book flights.

### Make payment.

### Admin role will handle the backend operations.

### 1.3 Constraints

### Recommend the usage of flyaway application through Chrome or Firefox.

## **2.0 Sprint planning and tasks achieved**

## This application is planned to be completed in 2 sprints. The flow given below after updating the status.



### 3.0 System Requirements

### 3.1 Software requirements

### Eclipse IDE

### jdk1.8

### Maven

Core concepts used in project:

* Hibernate, Collections framework and Exception Handling.

### 3.2 Functional requirements

The system should be able to perform the listed activities: -

## ● A search form in the homepage to allow entry of travel details, like the date of travel, source, destination, and the number of persons.

## ● Based on the travel details entered, it will show the available flights with their ticket prices.

## ● Once a person selects a flight to book, they will be taken to a register page where they must fill in their personal details. In the next page, they are shown the flight details of the flight that they are booking, and the payment is done via a dummy payment gateway. On completion of the payment, they are shown a confirmation page with the details of the booking.

## 

## For the above features to work, there will be an admin backend with the following features:

## ● An admin login page where the admin can change the password after login, if he wishes

## ● A master list of places for source and destination

## ● A master list of airlines

## ● A list of flights where each flight has a source, destination, airline, and ticket price

## 

## The goal of the company is to deliver a high-end quality product as early as possible.

## **4.0 System Design**

### 4.1 Flow chart - represents the flow of Application

### 

### 4.2 Algorithm Design

1.Create the project in Eclipse IDE.

2.Execution of flyaway application will start from ‘**welcomepage.html’**.

3.The entire application will be considered as two modules.

* Admin
* User/Guest

4.Admin can handle the back-end operations like adding flights, updating flights, adding routes, updating routes and get all details about flight, route, airlines. And admin can change the password if required.

5.A user can search flights based on conditions and can book flight. Once the payment is done user will get the booking details.

6. Pushing the code to GitHub repository.

## **5.0 Coding**

### 5.1 Codes of major parts

## Demonstrating the product capabilities, appearance, and user interactions

### flightSearch.jsp

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge,chrome=1"*>

<title>FlyAway-An Airline Booking Portal</title>

<meta name=*"description"* content=*""*>

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

<link rel=*"apple-touch-icon"* href=*"apple-touch-icon.png"*>

<link rel=*"stylesheet"* href=*"css/bootstrap.min.css"*>

<link rel=*"stylesheet"* href=*"css/bootstrap-theme.min.css"*>

<link rel=*"stylesheet"* href=*"css/fontAwesome.css"*>

<link rel=*"stylesheet"* href=*"css/hero-slider.css"*>

<link rel=*"stylesheet"* href=*"css/owl-carousel.css"*>

<link rel=*"stylesheet"* href=*"css/datepicker.css"*>

<link rel=*"stylesheet"* href=*"css/tooplate-style.css"*>

<link href=*"https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700,800"* rel=*"stylesheet"*>

<script src=*"js/vendor/modernizr-2.8.3-respond-1.4.2.min.js"*></script>

</head>

<body>

<% String sAction = (String) request.getAttribute("msg");

**if** ( sAction != **null** && (sAction).equals("y")) { %>

<script> alert("!");</script>

<% }

**else** **if**( sAction != **null** && (sAction).equals("N")) {%>

<script> alert("No Matching Flight Details Found!!");</script>

<%}

**else** **if**( sAction != **null** && (sAction).equals("bookunable")) {%>

<script> alert("Unable to book the flight..Please try again!");</script>

<%} %>

<section class=*"banner"* id=*"top"*>

<div class=*"container"*>

<h6><font color=*"black"* style="font:*bolder*;text-shadow:*navy*;" size=*"40px"*>

Welcome to FlyAway Airlines!</font></h6>

<div class=*"row"*>

<div class=*"col-md-5"*>

<div class=*"left-side"*>

<div class=*"logo"*>

<img src=*"img/logo.png"* alt=*"Flight Template"*>

</div>

<div class=*"tabs-content"*>

<h4><font color=*"silver"*>

Life Is Short And The World Is Wide</font></h4>

<ul class=*"social-links"*>

<li><a href=*"login.html"*><em>Admin Login</em></a></li>

<li><a href=*"welcomepage.html"*><em>Back To Home Page</em></a></li>

</ul>

</div>

<div class=*"page-direction-button"*>

<a href=*"#"*><i class=*""*></i> Explore The World!!</a>

</div>

</div>

</div>

<div class=*"col-md-5 col-md-offset-1"*>

<section id=*"first-tab-group"* class=*"tabgroup"*>

<div id=*"tab1"*>

<div class=*"submit-form"*>

<h4><em>Choose Your Direction</em>:</h4>

<form id=*"form-submit"* action=*"MainFlightSearchServlet"* method=*"post"*>

<div class=*"row"*>

<div class=*"col-md-6"*>

<fieldset>

<label> Source City:<span class=*"req"*>\*</span> </label>

<input name=*"source"* type=*"text"* class=*"form-control date"* placeholder=*"Select Source"* required data-validation-required-message=*"Please enter Source."* autocomplete=*"off"*/>

</fieldset>

</div>

<div class=*"col-md-6"*>

<fieldset>

<label> Destination City:<span class=*"req"*>\*</span> </label>

<input name=*"destination"* type=*"text"* class=*"form-control date"* placeholder=*"Select destination"* required data-validation-required-message=*"Please enter destination."* autocomplete=*"off"*/>

</fieldset>

</div>

<div class=*"col-md-6"*>

<fieldset>

<label> Departure date:<span class=*"req"*>\*</span> </label>

<input name=*"deparure"* type=*"date"* class=*"form-control date"* placeholder=*"Select date"*required data-validation-required-message=*"Please enter date."* autocomplete=*"off"* />

</fieldset>

</div>

<br/>

<div class=*"col-md-6"*>

<fieldset>

<button type=*"submit"* id=*"form-submit"* class=*"btn"*>Order Ticket Now</button>

</fieldset>

</div>

</div>

</form>

</div>

</div>

</section>

</div>

</div>

</div>

</section>

</body>

</html>

### MainFlightSearchServlet

package com.flyaway.controllers;

import java.io.IOException;

import java.util.ArrayList;

import javax.servlet.RequestDispatcher;

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.flyaway.dao.FlightDao;

import com.flyaway.dao.FlightDaoImpl;

import com.flyaway.dto.Flight;

public class MainFlightSearchServlet extends HttpServlet {

private static final long serialVersionUID = 1L;

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

HttpSession session = request.getSession();

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

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

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

FlightDao dao = new FlightDaoImpl();

ArrayList<Flight> bookFlightList = new FlightDaoImpl().mainSearchFlight(source, destination, date);

if(bookFlightList.size() > 0) {

request.setAttribute("servletName", bookFlightList);

getServletConfig().getServletContext().getRequestDispatcher("/bookflight.jsp").forward(request,response);

//RequestDispatcher requestDispatcher = request.getRequestDispatcher("bookflight.jsp");

//requestDispatcher.forward(request, response);

} else {

request.setAttribute("msg", "N");

RequestDispatcher requestDispatcher = request.getRequestDispatcher("flightSearch.jsp");

requestDispatcher.forward(request, response);

}

}

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

doGet(request, response);

}

}

### bookFlight.jsp

<%@page import=*"com.flyaway.dto.Flight"*%>

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

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

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge,chrome=1"*>

<title>FlyAway-An Airline Booking Portal</title>

<meta name=*"description"* content=*""*>

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

<link rel=*"apple-touch-icon"* href=*"apple-touch-icon.png"*>

<link rel=*"stylesheet"* href=*"css/bootstrap.min.css"*>

<link rel=*"stylesheet"* href=*"css/bootstrap-theme.min.css"*>

<link rel=*"stylesheet"* href=*"css/fontAwesome.css"*>

<link rel=*"stylesheet"* href=*"css/hero-slider.css"*>

<link rel=*"stylesheet"* href=*"css/owl-carousel.css"*>

<link rel=*"stylesheet"* href=*"css/datepicker.css"*>

<link rel=*"stylesheet"* href=*"css/tooplate-style.css"*>

<link href=*"https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700,800"* rel=*"stylesheet"*>

<script src=*"js/vendor/modernizr-2.8.3-respond-1.4.2.min.js"*></script>

</head>

<header>

<nav class=*"navbar"*>

<ul>

<li> <h1 style="color:*silver*;font-size:*30px*;"> FlyAway</hi></li>

<li><a href=*"welcomepage.html"*>Home</a></li>

<li><a href=*"flightSearch.jsp"*>Flight Search</a></li>

<li><a href=*"logout.jsp"*>Logout</a></li>

<div class=*"search"*>

<h4 font-color: black>Hi Guest</h4>

</div>

</ul>

</nav>

</header>

<body>

<table class=*"table table-inverse table-bordered table-hover mx-auto table-responsive"*>

<thead>

<tr>

<th>Flight</th>

<th>Flight Number</th>

<th>Source</th>

<th>Destination</th>

<th>Date</th>

<th>Time</th>

<th>Duration</th>

<th>Airlines</th>

<th>Price</th>

<th>Book</th>

</tr>

</thead>

<tbody>

<%

ArrayList<Flight> bookFlightList= ((ArrayList<Flight>)request.getAttribute("servletName"));

**for**(Flight flight : bookFlightList)

{

out.println("<tr>");

out.print("<td>"+ flight.getFlightname() + "</td>");

out.print("<td>"+ flight.getFlightno() + "</td>");

out.print("<td>"+ flight.getFrom() + "</td>");

out.print("<td>" + flight.getTo() + "</td>");

out.print("<td>" + flight.getDate() + "</td>");

out.print("<td>" + flight.getTime() + "</td>");

out.print("<td>" + flight.getDuration() + "</td>");

out.print("<td> " + flight.getAirlines() + "</td>");

out.print("<td>" + flight.getPrice() + "</td>");

out.print("<td><a href="+"userRegistration.jsp?flightno="+flight.getFlightno() +"&price="+flight.getPrice()+"&airlines="+flight.getAirlines()+"&source="+flight.getFrom()+"&destination="+flight.getTo()+">Book</a></td>");

out.print("</tr>");}%>

</tbody>

</table>

</body>

<footer>

<font color=*"white"* size=*10px;*></font>Copyright &copy; 2022 FlyAway Company

|

</footer>

</html>

### userRegistration.jsp

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge,chrome=1"*>

<title>FlyAway-An Airline Booking Portal</title>

<meta name=*"description"* content=*""*>

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

<link rel=*"apple-touch-icon"* href=*"apple-touch-icon.png"*>

<link rel=*"stylesheet"* href=*"css/bootstrap.min.css"*>

<link rel=*"stylesheet"* href=*"css/bootstrap-theme.min.css"*>

<link rel=*"stylesheet"* href=*"css/fontAwesome.css"*>

<link rel=*"stylesheet"* href=*"css/hero-slider.css"*>

<link rel=*"stylesheet"* href=*"css/owl-carousel.css"*>

<link rel=*"stylesheet"* href=*"css/datepicker.css"*>

<link rel=*"stylesheet"* href=*"css/tooplate-style.css"*>

<link href=*"https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700,800"* rel=*"stylesheet"*>

<script src=*"js/vendor/modernizr-2.8.3-respond-1.4.2.min.js"*></script>

</head>

<body>

<%String flightno =(String)(request.getParameter("flightno")) ;

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

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

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

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

%>

<section class=*"banner"* id=*"top"*>

<div class=*"container"*>

<div class=*"row"*>

<div class=*"col-md-5"*>

<div class=*"left-side"*>

<div class=*"logo"*>

<img src=*"img/logo.png"* alt=*"Flight Template"*>

</div>

<div class=*"tabs-content"*>

<h4><font color=*"silver"*>

Life Is Short And The World Is Wide</font></h4>

<ul class=*"social-links"*>

<br/><br/>

<li><a href=*"flightSearch.jsp"*><em>Search Flights</a></li>

<li><a href=*"welcomepage.html"*><em>Back To Home Page</em></a></li>

</ul>

</div>

<div class=*"page-direction-button"*>

<a href=*"#"*><i class=*""*></i> Explore The World!!</a>

</div>

</div>

</div>

<div class=*"col-md-5 col-md-offset-1"*>

<div class=*"submit-form"*>

<p align=*"center"* style="color:*black*;"><span><strong><h4>Enter Passenger Details</h4></strong></span></p>

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

<div class=*"form-group"*>

<label>Selected Flight Number<span class=*"req"*>\*</span> </label>

<input type=*"text"* value=*"*<%=flightno %>*"* readonly class=*"form-control"* name=*"flightno"* >

<p class=*"help-block text-danger"*></p>

</div>

<div class=*"row"*>

<div class=*"col-xs-12 col-sm-6"*>

<div class=*"form-group"*>

<label> Source<span class=*"req"*></span> </label>

<input type=*"text"* value=*"*<%=source %>*"* readonly class=*"form-control"* name=*"source"* >

<p class=*"help-block text-danger"*></p>

</div>

</div>

<div class=*"col-xs-12 col-sm-6"*>

<div class=*"form-group"*>

<label>Destination<span class=*"req"*></span> </label>

<input type=*"text"* value=*"*<%=destination %>*"* readonly class=*"form-control"* name=*"destination"*>

<p class=*"help-block text-danger"*></p>

</div>

</div>

</div>

<div class=*"row"*>

<div class=*"col-xs-12 col-sm-6"*>

<div class=*"form-group"*>

<label> Airlines<span class=*"req"*></span> </label>

<input type=*"text"* value=*"*<%=airlines %>*"* readonly class=*"form-control"* name=*"airlines"* >

<p class=*"help-block text-danger"*></p>

</div>

</div>

<div class=*"col-xs-12 col-sm-6"*>

<div class=*"form-group"*>

<label>Price<span class=*"req"*></span> </label>

<input type=*"text"* value=*"*<%=price %>*"* readonly class=*"form-control"* name=*"price"*>

<p class=*"help-block text-danger"*></p>

</div>

</div>

</div>

<div class=*"row"*>

<div class=*"col-xs-12 col-sm-6"*>

<div class=*"form-group"*>

<label> First Name<span class=*"req"*>\*</span> </label>

<input type=*"text"* class=*"form-control"* name=*"fname"* placeholder=*"First name"*required data-validation-required-message=*"Please enter your name."* autocomplete=*"off"*>

<p class=*"help-block text-danger"*></p>

</div>

</div>

<div class=*"col-xs-12 col-sm-6"*>

<div class=*"form-group"*>

<label> Last Name<span class=*"req"*>\*</span> </label>

<input type=*"text"* class=*"form-control"* name=*"lname"* placeholder=*"Last name"*required data-validation-required-message=*"Please enter your name."* autocomplete=*"off"*>

<p class=*"help-block text-danger"*></p>

</div>

</div>

</div>

<div class=*"form-group"*>

<label> Your Email<span class=*"req"*>\*</span> </label>

<input type=*"email"* class=*"form-control"* name=*"email"* placeholder=*"Your Email"*required data-validation-required-message=*"Please enter your email address."* autocomplete=*"off"*>

<p class=*"help-block text-danger"*></p>

</div>

<div class=*"form-group"*>

<label> Age<span class=*"req"*>\*</span> </label>

<input type=*"number"* class=*"form-control"* name=*"age"* placeholder=*"Your age"*required data-validation-required-message=*"Please enter your age."* autocomplete=*"off"*>

<p class=*"help-block text-danger"*></p>

</div>

<div class=*"form-group"*>

<label> Your Address<span class=*"req"*>\*</span> </label>

<input type=*"text"* class=*"form-control"* name=*"address"* placeholder=*"Address"*required data-validation-required-message=*"Please enter your address."* autocomplete=*"off"*>

<p class=*"help-block text-danger"*></p>

</div>

<div class=*"form-group"*>

<label> Your Phone<span class=*"req"*>\*</span> </label>

<input type=*"tel"* class=*"form-control"* placeholder=*"Phone number"* name=*"ph"* required data-validation-required-message=*"Please enter your phone number."* autocomplete=*"off"*>

<p class=*"help-block text-danger"*></p>

</div>

<div class=*"form-group"*>

<label for=*"source"*>Personal Id</label>

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

<option value=*""*>Select option</option>

<option value=*"Aadhar card"*>Aadhar card</option>

<option value=*"SSN"*>SSN</option>

<option value=*"Passport"*>Passport</option>

<option value=*"Voter ID"*>Voter ID</option>

<option value=*"Driving license"*>Driving license</option>

</select>

<div class=*"form-group"*>

<label> Enter No<span class=*"req"*>\*</span> </label>

<input type=*"text"* class=*"form-control"* id=*"verificationidno"* name=*"enterno"* placeholder=*"Enter No"*>

<p class=*"help-block text-danger"*></p>

</div>

</div>

<div class=*"form-group"*>

<label> Return date:<span class=*"req"*></span> </label>

<input type=*"date"* class=*"form-control"* name=*"returndate"* placeholder=*"Enter date"*>

<p class=*"help-block text-danger"*></p>

</div>

<div class=*"form-group"*>

<label> Adults:<span class=*"req"*>\*</span> </label>

<input type=*"number"* class=*"form-control"* name=*"adults"* placeholder=*"Enter number"*required data-validation-required-message=*"Please enter number of adults"*>

<p class=*"help-block text-danger"*></p>

</div>

<div class=*"form-group"*>

<label> Children:<span class=*"req"*>\*</span> </label>

<input type=*"number"* class=*"form-control"* name=*"child"* placeholder=*"Enter number"*required data-validation-required-message=*"Please enter number of Children"*>

<p class=*"help-block text-danger"*></p>

</div>

<div class=*"form-group"*>

<label for=*"source"*>Class:</label>

<select class=*"form-control"* name=*"typeclass"*>

<option value=*""*>Select class.</option>

<option value=*"Economy"*>Economy</option>

<option value=*"Business"*>Business</option>

<option value=*"First Class"*>First Class</option>

</select>

</div>

<div class=*"form-group"*>

<div class=*"row"*>

<div class=*"col-md-6 col-sm-6 col-xs-6"*>

<label for=*"round"*>Round</label>

<input type=*"radio"* name=*"trip"* id=*"round"* value=*"round"* required=*"required"*>

</div>

<div class=*"col-md-6 col-sm-6 col-xs-6"*>

<label for=*"oneway"*>Oneway</label>

<input type=*"radio"* name=*"trip"* id=*"oneway"* value=*"one-way"* required=*"required"*>

</div>

</div>

</div>

<div class=*"mrgn-30-top"*>

<button type=*"submit"* class=*"btn btn-larger btn-block"*/>

Book Flight

<button type=*"reset"* class=*"btn btn-larger btn-block"*>Reset</button>

</div>

</form>

</div>

</div>

</div>

</div>

</section>

</body>

</html>

### makepayment.jsp

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

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

<!DOCTYPE html>

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge,chrome=1"*>

<title>FlyAway-An Airline Booking Portal</title>

<meta name=*"description"* content=*""*>

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

<link rel=*"apple-touch-icon"* href=*"apple-touch-icon.png"*>

<link rel=*"stylesheet"* href=*"css/bootstrap.min.css"*>

<link rel=*"stylesheet"* href=*"css/bootstrap-theme.min.css"*>

<link rel=*"stylesheet"* href=*"css/fontAwesome.css"*>

<link rel=*"stylesheet"* href=*"css/hero-slider.css"*>

<link rel=*"stylesheet"* href=*"css/owl-carousel.css"*>

<link rel=*"stylesheet"* href=*"css/datepicker.css"*>

<link rel=*"stylesheet"* href=*"css/tooplate-style.css"*>

<link href=*"https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700,800"* rel=*"stylesheet"*>

<script src=*"js/vendor/modernizr-2.8.3-respond-1.4.2.min.js"*></script>

</head>

<body>

<%

String sAction = (String) request.getAttribute("msg");

**if** ( sAction != **null** && (sAction).equals("y")) { %>

<script> alert("Flight Booked Successfully!!Please make the payment.");</script>

<% }%>

<section class=*"banner"* id=*"top"*>

<div class=*"container"*>

<h6><font color=*"black"* style="font:*bolder*;text-shadow:*navy*;" size=*"40px"*>

Welcome to FlyAway Airlines!</font></h6>

<div class=*"row"*>

<div class=*"col-md-5"*>

<div class=*"left-side"*>

<div class=*"logo"*>

<img src=*"img/logo.png"* alt=*"Flight Template"*>

</div>

<div class=*"tabs-content"*>

<h4><font color=*"silver"*>

Life Is Short And The World Is Wide</font></h4>

<ul class=*"social-links"*>

<li><a href=*"flightSearch.jsp"*><em>Flight Search</em></a></li>

</ul>

</div>

<div class=*"page-direction-button"*>

<a href=*"#"*><i class=*""*></i> Explore The World!!</a>

</div>

</div>

</div>

<div class=*"col-md-5 col-md-offset-1"*>

<section id=*"first-tab-group"* class=*"tabgroup"*>

<div id=*"tab1"*>

<div class=*"submit-form"*>

<h4><em>Hi <%= session.getAttribute("fname") %> Please Make Payment</em>:</h4>

<form id=*"form-submit"* action=*"SearchBookingServlet"* method=*"post"*>

<div class=*"row"*>

<div class=*"col-md-6"*>

<fieldset>

<label for=*"return"*>Name On Card:</label>

<input name=*"cardholdername"* type=*"text"* class=*"form-control date"* required data-validation-required-message=*"Please enter card holder's name"* placeholder=*"Card holder's name"* />

</fieldset>

</div>

<div class=*"col-md-6"*>

<fieldset>

<label for=*"return"*>Card Number:</label>

<input name=*"cardnumber"* type=*"text"* class=*"form-control date"* required data-validation-required-message=*"Please enter card number"* placeholder=*"Card number"* />

</fieldset>

</div>

<div class=*"col-md-6"*>

<fieldset>

<label for=*"departure"*>CVV</label>

<input name=*"cvv"* type=*"text"* class=*"form-control date"* required data-validation-required-message=*"Please enter cvv"* placeholder=*"cvv"* />

</fieldset>

</div>

<br/>

<%request.setAttribute("msg", "Y"); %>

<div class=*"col-md-6"*>

<fieldset>

<label >Your Email</label>

<input name=*"email"* type=*"text"* class=*"form-control date"* value=*"*<%= session.getAttribute("email") %> *"*readonly />

</fieldset>

</div>

<div class=*"col-md-6"*>

<fieldset>

<label >Flight Number</label>

<input name=*"flightno"* type=*"text"* class=*"form-control date"* value=*"*<%= request.getAttribute("flightno") %> *"*readonly />

</fieldset>

</div>

<div class=*"col-md-6"*>

<fieldset>

<label >Total Amount</label>

<input name=*"price"* type=*"text"* class=*"form-control date"* value=*"*<%= request.getAttribute("totalamount") %> *"*readonly />

</fieldset>

</div>

<div class=*"col-md-6"*>

<fieldset>

<button type=*"submit"* id=*"form-submit"* class=*"btn"*>Make Payment</button>

</fieldset>

</div>

</div>

</form>

</div>

</div>

</section>

</div>

</div>

</div>

</section>

<script src=*"js/datepicker.js"*></script>

</body>

### </html>

### SearchBookingServlet

### package com.flyaway.controllers;

### import java.io.IOException;

### import java.util.ArrayList;

### import javax.servlet.RequestDispatcher;

### 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.flyaway.dao.BookingDao;

### import com.flyaway.dao.BookingDaoImpl;

### import com.flyaway.dao.FlightDaoImpl;

### import com.flyaway.dto.Booking;

### import com.flyaway.dto.Flight;

### public class SearchBookingServlet extends HttpServlet {

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

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

### HttpSession session = request.getSession();

### String email=(String) session.getAttribute("email");

### String flightno=request.getParameter("flightno");

### System.out.println(flightno);

### BookingDao dao=new BookingDaoImpl();

### ArrayList<Booking> booking = new BookingDaoImpl().findBooking(email);

### if(booking.size()>0) {

### request.setAttribute("booking", booking);

### request.setAttribute("msg", "y");

### getServletConfig().getServletContext().getRequestDispatcher("/displaybooking.jsp").forward(request,response);

### } else {

### request.setAttribute("msg", "N");

### RequestDispatcher requestDispatcher = request.getRequestDispatcher("displaybooking.jsp");

### requestDispatcher.forward(request, response); }}

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

### doGet(request, response);}}

### Displaybooking.jsp

<%@page import=*"com.flyaway.dto.Booking"*%>

<%@page import=*"com.flyaway.dto.Flight"*%>

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

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

<html>

<head>

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

<meta http-equiv=*"X-UA-Compatible"* content=*"IE=edge,chrome=1"*>

<title>FlyAway-An Airline Booking Portal</title>

<meta name=*"description"* content=*""*>

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

<link rel=*"apple-touch-icon"* href=*"apple-touch-icon.png"*>

<link rel=*"stylesheet"* href=*"css/bootstrap.min.css"*>

<link rel=*"stylesheet"* href=*"css/bootstrap-theme.min.css"*>

<link rel=*"stylesheet"* href=*"css/fontAwesome.css"*>

<link rel=*"stylesheet"* href=*"css/hero-slider.css"*>

<link rel=*"stylesheet"* href=*"css/owl-carousel.css"*>

<link rel=*"stylesheet"* href=*"css/datepicker.css"*>

<link rel=*"stylesheet"* href=*"css/tooplate-style.css"*>

<link href=*"https://fonts.googleapis.com/css?family=Open+Sans:300,400,600,700,800"* rel=*"stylesheet"*>

<script src=*"js/vendor/modernizr-2.8.3-respond-1.4.2.min.js"*></script>

</head>

<header>

<nav class=*"navbar"*>

<ul>

<li> <h1 style="color:*silver*;font-size:*30px*;"> FlyAway</hi></li>

<li><a href=*"welcomepage.html"*>Home</a></li>

<li><a href=*"flightSearch.jsp"*>Flight Search</a></li>

<li><a href=*"logout.jsp"*>Logout</a></li>

<div class=*"search"*>

<h4 font-color: black> <%= session.getAttribute("fname")%></h4>

</div>

</ul>

</nav>

</header>

<body><% String sAction = (String) request.getAttribute("msg");

**if** ( sAction != **null** && (sAction).equals("y")) { %>

<script> alert("Payment Success.");</script>

<% }

**else** **if**( sAction != **null** && (sAction).equals("N")) {%>

<script> alert("No data found!");</script>

<%} %>

<h3>Hi <%= session.getAttribute("fname")%>,Please find your booking details:</h3>

<table class=*"table table-inverse table-bordered table-hover mx-auto table-responsive"*>

<thead>

<tr>

<th>Flight</th>

<th>From</th>

<th>To</th>

<th>Airlines</th>

<th>Class</th>

<th>Price</th>

<th>Adults</th>

<th>Children</th>

<th>Phone</th>

<th>Id No</th>

<th>Email</th>

</tr>

</thead>

<tbody>

<%

ArrayList<Booking> booking= ((ArrayList<Booking>)request.getAttribute("booking"));

**for**(Booking bookflight : booking)

{

out.println("<tr>");

out.print("<td>" + bookflight.getFlightno() + "</td>");

out.print("<td>" + bookflight.getSource()+ "</td>");

out.print("<td>" + bookflight.getDestination() + "</td>");

out.print("<td>" + bookflight.getAirlines() + "</td>");

out.print("<td>" + bookflight.getTypeclass() + "</td>");

out.print("<td>" + bookflight.getTotalAmount() + "</td>");

out.print("<td>" + bookflight.getAdults() + "</td>");

out.print("<td>" + bookflight.getChild() + "</td>");

out.print("<td>" + bookflight.getPh()+ "</td>");

out.print("<td>" + bookflight.getVerificationidno() + "</td>");

out.print("<td>" + bookflight.getEmail() + "</td>");

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

}%>

</tbody>

</table><br/><br/>

<h4 > Thank You for choosing FlyAway..Enjoy the journey!!!</h4>

<br/><br/><br/>

</body>

<footer>

<font color=*"white"* size=*10px;*></font>Copyright &copy; 2022 FlyAway Company|

</footer>

## **6.0 Conclusion**

FlyAway is a ticket-booking portal that lets people book flights on their website. Unique selling points of this application is, application will not close, exit, or throw an exception if the user specifies an invalid input. Further enhancements to the application could be search flights based on a wide variety of benchmarks**.**

## **7.0 Link to the GitHub repository**

**https://github.com/HeeraHP/FlyAway**