



FLY-AWAY SOURCE CODE

Phase-2 Project



NOVEMBER 16, 2022
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SOURCE CODE

index.jsp

```
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->

<title>Fly Away</title>

<!-- Google font -->
<link href="https://fonts.googleapis.com/css?family=PT+Sans:400"
      rel="stylesheet">

<!-- Bootstrap -->
<link type="text/css" rel="stylesheet" href="css/bootstrap.min.css" />

<!-- Custom stylesheet -->
<link type="text/css" rel="stylesheet" href="css/style.css" />

<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
<!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
<![endif]-->

</head>

<body>

    <div id="booking" class="section">
        <div class="section-center">
```

```

<div class="container">
  <div class="row">
    <div class="col-md-12">
      <h2 class="text-center text-dark">Welcome to Fly Away Booking Portal</h2>
    </div>
  </div>
  <br> <br>
  <div class="row">
    <div class="col-md-8">
      <div class="booking-form">
        <form name="contact-form" action="book-flight.jsp">
          <div class="row">
            <div class="col-md-6">
              <div class="form-btn">
                <button class="submit-btn">Book flights</button>
              </div>
            </div>
          </div>
        </form>
      </div>
    </div>
    <div class="col-md-4">
      <div class="booking-form">
        <form name="contact-form" action="admin-homepage.jsp">
          <div class="row">
            <div class="col-md-6">
              <div class="form-btn">
                <button class="submit-btn">Admin Login</button>
              </div>
            </div>
          </div>
        </form>
      </div>
    </div>
  </div>
</div>
</div>
</body>
</html>

```

Book-flight.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html lang="en">

<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<!-- The above 3 meta tags *must* come first in the head; any other head content must come *after* these tags -->

<title>Fly Away</title>

<!-- Google font -->
<link href="https://fonts.googleapis.com/css?family=PT+Sans:400"
    rel="stylesheet">

<!-- Bootstrap -->
<link type="text/css" rel="stylesheet" href="css/bootstrap.min.css" />

<!-- Custom stylesheet -->
<link type="text/css" rel="stylesheet" href="css/style.css" />

<!-- HTML5 shim and Respond.js for IE8 support of HTML5 elements and media queries -->
<!-- WARNING: Respond.js doesn't work if you view the page via file:// -->
<!--[if lt IE 9]>
    <script src="https://oss.maxcdn.com/html5shiv/3.7.3/html5shiv.min.js"></script>
    <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
<![endif]-->

</head>

<body>

    <div id="booking" class="section">
        <div class="section-center">
            <div class="container">
                <div class="row">
                    <div class="booking-form">
                        <form name="contact-form" action="SearchFlights">
                            <div class="form-group">
                                <div class="form-checkbox">

                                    <label for="one-way"> <input type="radio" id="one-way"
```

```

name="flight-type" checked="checked"> <span></span>One
way
</label>
</div>
</div>
<div class="row">
  <div class="col-md-6">
    <div class="form-group">
      <span class="form-label">Flying From</span> <select
class="form-control" name="source"><option selected>Select
Source</option>
      <option value="Kolkata">Kolkata (CCU) </option>
      <option value="Delhi">Delhi (DEL) </option>
      <option value="Mumbai">Mumbai (BOM) </option>
      <option value="Chennai">Chennai (MAA) </option>
      <option value="Shillong">Shillong (SHL) </option>
    </select> <span class="select-arrow"></span>
    </div>
  </div>
  <div class="col-md-6">
    <div class="form-group">
      <span class="form-label">Flying To</span> <select
class="form-control" name="destination">
      <option selected>Select Destination</option>
      <option value="Kolkata">Kolkata (CCU) </option>
      <option value="Delhi">Delhi (DEL) </option>
      <option value="Mumbai">Mumbai (BOM) </option>
      <option value="Chennai">Chennai (MAA) </option>
      <option value="Shillong">Shillong (SHL) </option>
    </select> <span class="select-arrow"></span>
    </div>
  </div>
</div>
<div class="row">
  <div class="col-md-6">
    <div class="form-group">
      <span class="form-label">Departing</span> <input
class="form-control" type="date" name="departOn" required>
    </div>
  </div>
  <div class="col-md-6">

```

```

        <div class="form-group">
            <span class="form-label">Adults (18+)</span> <input
                class="form-control" type="text" name="travellers"
                placeholder="enter number of traveller(s)" required>

        </div>
    </div>

</div>
<div class="row">

    <div class="col-md-3">
        <div class="form-btn">
            <button class="submit-btn">Show flights</button>
        </div>
    </div>
</div>
</form>
</div>
</div>
</div>
</div>
<div>
<footer class="bg-light text-center text-lg-start">
    <!-- Copyright -->
    <div class="text-center p-3"
        style="background-color: rgba(0, 0, 0, 0.2);">
        © 2022 Copyright: <a class="text-dark"
            href="https://mdbootstrap.com/">Developed by Dakamanbha
            Ryngkhlem</a>
    </div>
    <!-- Copyright -->
</footer>
</body>
</html>

```



```

SearchFlights.java
package com.simplilearn.controller;
import java.io.IOException;
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 com.simplilearn.beans.FlightDetails;
import com.simplilearn.dao.FlightDetailsDao;
import com.simplilearn.dao.FlightDetailsDaoImpl;

/**
 * Servlet implementation class SearchFlights
 */
@WebServlet("/SearchFlights")
public class SearchFlights extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public SearchFlights() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#service(HttpServletRequest request, HttpServletResponse
     * response)
     */
    protected void service(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        // TODO Auto-generated method stub
    }
}

```

```
response.setContentType("text/html");
```

```
String source = request.getParameter("source");  
String destination = request.getParameter("destination");  
String departOn = request.getParameter("departOn");  
String travellers = request.getParameter("travellers");
```

```
HttpSession session = request.getSession();  
session.setAttribute("source", source);  
session.setAttribute("destination", destination);  
session.setAttribute("departOn", departOn);  
session.setAttribute("travellers", travellers);
```

```
FlightDetailsDao dao = new FlightDetailsDaoImpl();
```

```
List<FlightDetails> flights = dao.searchFlights(source, destination);  
session.setAttribute("flights", flights);  
response.sendRedirect("search-results.jsp");
```

```
}
```

```
}
```

Search-results.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.List" %>
<%@ page import="com.simplilearn.beans.FlightDetails" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Search Results</title>
<link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpuuCOMLASjC"
    crossorigin="anonymous">
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
    crossorigin="anonymous"></script>
<link
    href="https://fonts.googleapis.com/css?family=Raleway&display=swap"
    rel="stylesheet" />
<script src="https://kit.fontawesome.com/92e9dde9ec.js"
    crossorigin="anonymous"></script>
<style>
body {
    margin: 0;
    padding: 0;
    background: #fff;
    font-family: 'Raleway', sans-serif;
    color: #fff;
}
.banner {
    height: 100vh;
    width: 100%;
}
.banner .navbar {
    margin-top: 2%;
}
.banner .navbar-brand {
    color: #fff;
    font-size: 1.8em;
    font-weight: 700;
    margin-left: 7%;
```

```

}
.banner .nav {
    margin-right: 7%;
}
.banner .nav li a {
    color: #aaa;
    font-size: 1.5em;
}
.banner p {
    font-weight: 500;
    letter-spacing: 2px;
}
.login {
    margin-left: 50%;
}
tr:nth-child(even) {
    background-color: #D6EEEE;
}
tr:hover {
    background-color: #D6EEEE;
}
table, th, td {
    border: 1px solid black;
    border-collapse: collapse;
}
</style>
</head>

```

```

<body>
    <div class="container-fluid banner justify-content-center align-items-center">
        <div class="row g-2">
            <div class="col-md-12">
                <nav class="navbar navbar-md">
                    <div class="navbar-brand text-dark">
                        <a href="book-flight.jsp" class="text-decoration-none text-dark"><i class="fas fa-
plane"></i>FlyAway</a>
                    </div>
                </nav>
            </div>
            <div class="col-md-12 text-center text-dark">
                <h2>Search Results</h2>
                <p>Showing available flights from <%= session.getAttribute("source") %> to <%=
session.getAttribute("destination") %></p>
                <p>Date of Travel : <%= session.getAttribute("departOn") %> </p>
                <p>No. of Traveller(s): <%= session.getAttribute("travellers") %> </p>
            </div>
        </div>
    </div>

```

```

        </div>

</div>
<div class="container">
    <div class="row text-dark">
        <div class="col-md-12">
            <table style="width: 100%; text-align: center;">
                <tr>
                    <th>Flight Number</th>
                    <th>Airline</th>
                    <th>Source</th>
                    <th>Destination</th>
                    <th>Date</th>
                    <th>Time</th>
                    <th>Ticket Price</th>
                    <th>Select</th>
                </tr>

                <%
                    List<FlightDetails> flights = (List<FlightDetails>) session.getAttribute("flights");
                    for(FlightDetails flight : flights)
                    {
                        out.print("<tr>");
                        out.print("<td>" + flight.getFlightNumber() + "</td>");
                        out.print("<td>" + flight.getFlightName() + "</td>");
                        out.print("<td>" + flight.getSource() + "</td>");
                        out.print("<td>" + flight.getDestination() + "</td>");
                        out.print("<td>" + session.getAttribute("departOn") + "</td>");
                        out.print("<td>" + flight.getTime() + "</td>");
                        out.print("<td>" + flight.getPrice() + "</td>");
                        out.print("<td><a href='traveller-details.jsp' class='btn btn-primary'>" + "Book
This Flight" + "</a></td>");

                        out.print("</tr>");
                    }
                <%>
            </table>
        </div>
    </div>
</div>
</div>
<div class="bg-light text-center text-lg-start">
    <!-- Copyright -->
    <div class="text-center p-3" style="background-color: rgba(0, 0, 0, 0.2);">
        © 2022 Copyright:
        <a class="text-dark" href="https://mdbootstrap.com/">Developed by Dakamanbha Ryngkhlem</a>
    </div><!-- Copyright --></div></body></html>

```

Traveller-details.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Traveller Details</title>
<link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTWfSpd3yD65VohhpuuCOMLASjC"
    crossorigin="anonymous">
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsPlUyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
    crossorigin="anonymous"></script>
<link
    href="https://fonts.googleapis.com/css?family=Raleway&display=swap"
    rel="stylesheet" />
<script src="https://kit.fontawesome.com/92e9dde9ec.js"
    crossorigin="anonymous"></script>
<style type="text/css">
body {
    margin: 0;
    padding: 0;
    background: #fff;
    font-family: 'Raleway', sans-serif;
    color: #fff;
    height: 100vh;
}
.banner .navbar {
    margin-top: 2%;
}
.banner .navbar-brand {
    color: #fff;
    font-size: 1.8em;
    font-weight: 700;
    margin-left: 7%;
}
.banner .nav {
```

```

        margin-right: 7%;
    }
    .banner .nav li a {
        color: #aaa;
        font-size: 1.5em;
    }
    .banner p {
        font-size: 2em;
        font-weight: 500;
        letter-spacing: 2px;
    }
    .booking {
        margin-left: 8%;
        margin-bottom: 2%;
        border-radius: 5px;
    }
</style>
</head>
<body>
    <div class="container-fluid banner">
        <div class="row">
            <div class="col-md-12">
                <nav class="navbar navbar-md">
                    <div class="navbar-brand text-dark">
                        <a href="book-flight.jsp" class="text-decoration-none text-dark"><i class="fas fa-
plane"></i>FlyAway</a>
                    </div>
                </nav>
            </div>
            <div class="col-md-12">
                <h2 class="text-center text-dark">FlyAway Ticket Booking</h2>
            </div>
        </div>
    </div>
    <div class="row align-items-center" style="width: 100%;">
        <div class="col-md-2 bg-secondary booking">
            <p class="mt-3">Traveller details:</p>
            <form name="contact-form" action="TravellerDetails" method="post">
                <div class="mb-3">
                    <label for="pname" class="col-form-label">Name:</label> <input
                        type="text" class="form-control" id="pname" name="pname" required>
                </div>
                <div class="mb-3">
                    <label for="pemail" class="col-form-label">Email:</label> <input
                        type="text" class="form-control" id="pemail" name="pemail" required>
                </div>
            </form>
        </div>
    </div>

```

```
<div class="mb-3">
  <label for="phone" class="col-form-label">Phone:</label> <input
    type="number" class="form-control" id="phone" name="phone" required>
</div>
  <input type="submit" class="btn btn-primary mb-3" value="Submit">
</form>
</div>
<div class="col-md-4">
  
</div>
</div>
<footer class="bg-light text-center text-lg-start">
<!-- Copyright -->
<div class="text-center p-3" style="background-color: rgba(0, 0, 0, 0.2);">
  © 2022 Copyright:
  <a class="text-dark" href="https://mdbootstrap.com/">Developed by Dakamanbha Ryngkhlem</a>
</div>
<!-- Copyright -->
</footer>
</body>
</html>
```


TravellerDetails.java

```
package com.simplilearn.controller;
```

```
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 TravellerDetails
```

```
@WebServlet("/TravellerDetails")
```

```
public class TravellerDetails extends HttpServlet {
```

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

```
    /**
```

```
     * @see HttpServlet#HttpServlet()
```

```
     */
```

```
    public TravellerDetails() {
```

```
        super();
```

```
        // TODO Auto-generated constructor stub
```

```
    }
```

```
    /** * @see HttpServlet#service(HttpServletRequest request, HttpServletResponse
```

```
     * response) */
```

```
    protected void service(HttpServletRequest request, HttpServletResponse response)
```

```
        throws ServletException, IOException {
```

```
        String pname = request.getParameter("pname");
```

```
        String pemail = request.getParameter("pemail");
```

```
        String phone = request.getParameter("phone");
```

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

```
        session.setAttribute("pname", pname);
```

```
        session.setAttribute("pemail", pemail);
```

```
        session.setAttribute("phone", phone);
```

```
        response.sendRedirect("card-details.jsp");}}
```

card-details.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.List" %>
<%@ page import="com.simplilearn.beans.FlightDetails" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Checkout</title>

    <link rel="stylesheet" type="text/css"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" />
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
    crossorigin="anonymous"></script>
<link
    href="https://fonts.googleapis.com/css?family=Raleway&display=swap"
    rel="stylesheet" />
<script src="https://kit.fontawesome.com/92e9dde9ec.js"
    crossorigin="anonymous"></script>
<style>
body {
    margin: 0;
    padding: 0;
    background: #fff;
    font-family: 'Raleway', sans-serif;
    color: #fff;
    height: 100vh;
}
.banner .navbar {
    margin-top: 2%;
}
.banner .navbar-brand {
    color: #fff;
    font-size: 1.8em;
    font-weight: 700;
    margin-left: 7%;
}
.banner .nav {
    margin-right: 7%;
}
.banner .nav li a {
    color: #aaa;
```

```

        font-size: 1.5em;
    }
    .banner p {
        font-size: 2em;
        font-weight: 500;
        letter-spacing: 2px;
    }
    .booking {
        margin-left: 8%;
        margin-bottom: 2%;
        border-radius: 5px;
    }
</style>
</head>
<body>
<%
    List<FlightDetails> flights = (List<FlightDetails>) session.getAttribute("flights");
    for(FlightDetails flight : flights){
        session.setAttribute("price", flight.getPrice());
        session.setAttribute("flightNumber", flight.getFlightNumber());
        session.setAttribute("airline", flight.getFlightName());
    }
    Integer n = Integer.parseInt((String)session.getAttribute("travellers"));
    Integer p = Integer.parseInt((String)session.getAttribute("price"));
    Integer total = n*p;
    session.setAttribute("total", total);
    %>
<div class="container-fluid banner">
    <div class="row">
        <div class="col-md-12">
            <nav class="navbar navbar-md">
                <div class="navbar-brand text-dark">
                    <a href="book-flight.jsp" class="text-decoration-none text-dark"><i class="fas fa-
plane"></i>FlyAway</a>
                </div>
            </nav>
        </div>
        <div class="col-md-12">
            <h2 class="text-center text-dark">FlyAway Ticket Booking</h2>
        </div>
    </div>
</div>
<div class="row align-items-center" style="width: 100%;">
    <div class="col-md-2 booking d-flex flex-column">
        <div class="card bg-secondary">
            <div class="card-header">Ticket Details</div>
            <div class="card-body">

```

```

        <h5 class="card-title">From <%= session.getAttribute("source") %> to <%=
session.getAttribute("destination") %></h5>
        <p class="card-text">No. of Traveller(s): <%= session.getAttribute("travellers") %></p>
    </div>
</div>
<br>
<div class="col-md-12 bg-secondary" style="width: 100%;">
    <p class="mt-3">Card details:</p>
    <form name="contact-form" action="CardDetails" method="post">
        <div class="mb-3">
            <label for="cardname" class="col-form-label">Name:</label> <input
                type="text" class="form-control" id="cardname" name="cardname" required>
        </div>
        <div class="mb-3">
            <label for="card-num" class="col-form-label">Card Number:</label>
            <input type="number" class="form-control" id="card-num" name="cardnum" required>
        </div>
        <div>
            <p>Total: <%= session.getAttribute("travellers") %> x <%= session.getAttribute("price") %> = Rs.
<%= total %></p>
        </div>
        <input type="submit" class="btn btn-primary mb-3" value="Confirm">
    </form>
</div>
</div>
<div class="col-md-4">
    
</div>
</div>
<footer class="bg-light text-center text-lg-start">
<!-- Copyright -->
<div class="text-center p-3" style="background-color: rgba(0, 0, 0, 0.2);">
    © 2022 Copyright:
    <a class="text-dark" href="https://mdbootstrap.com/">Developed by Dakamanbha Ryngkhlem</a>
</div>
<!-- Copyright -->
</footer>
</body>
</html>

```

CardDetails.java

```
package com.simplilearn.controller;
```

```
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 CardDetails
```

```
 */
```

```
@WebServlet("/CardDetails")
```

```
public class CardDetails extends HttpServlet {
```

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

```
    /**
```

```
     * @see HttpServlet#HttpServlet()
```

```
     */
```

```
    public CardDetails() {
```

```
        super();
```

```
        // TODO Auto-generated constructor stub
```

```
    }    /**
```

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

```
     */
```

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

```
        String cardname = request.getParameter("cardname");
```

```
        String cardnum = request.getParameter("cardnum");
```

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

```
        session.setAttribute("cardname", cardname);
```

```
        session.setAttribute("cardnum", cardnum);
```

```
        response.sendRedirect("confirmation.jsp");}}
```

confirmation.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<title>Confirmation</title>
<meta charset="ISO-8859-1">
</head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Confirmation</title>
<link rel="stylesheet" type="text/css"
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" />
<link
    href="https://fonts.googleapis.com/css?family=Raleway&display=swap"
    rel="stylesheet" />
<link rel="stylesheet" type="text/css" href="index.css" />
<script src="https://kit.fontawesome.com/92e9dde9ec.js"
    crossorigin="anonymous"></script>
<style>
body {
    margin: 0;
    padding: 0;
    background: #fff;
    font-family: 'Raleway', sans-serif;
    color: black;
}
.banner {
    height: 100vh;
    width: 100%;
}
.banner .navbar {
    margin-top: 2%;
}
.banner .navbar-brand {
    color: #fff;
    font-size: 1.8em;
    font-weight: 700;
    margin-left: 7%;
}
.banner .nav {
    margin-right: 7%;
}
.banner .nav li a {
    color: white;
```

```

        font-size: 1.5em;
    }
    .banner p {
        font-weight: 500;
        letter-spacing: 2px;
    }
</style>
<body>
<div class="container-fluid banner" >
    <div class="row">
        <div class="col-md-12">
            <nav class="navbar navbar-md">
                <div class="navbar-brand text-dark">
                    <a href="book-flight.jsp" class="text-decoration-none text-dark"><i class="fas fa-
plane"></i>FlyAway</a>
                </div>
                <div class="navbar-brand text-dark">
                    <a href="index.jsp" class="text-decoration-none text-dark">Home</a>
                </div>
            </nav>
        </div>
    </div>
    <div class="row">
        <div class="col-md-12 text-center text-dark">
            <h2>Thank You!</h2>
            <p>Your ticket has been booked. The details are as
                follows</p>
        </div>
    </div>
    <div class="row justify-content-center" >
        <div class="col-md-6 " >
            <div class="card bg-secondary" >
                <div class="card-header" style = "background-color: dodgerblue;">Ticket Summary</div>
                <div class="card-body" style = "background-color:white;">
                    <h5 class="card-title"><%= session.getAttribute("source") %> to <%=
session.getAttribute("destination") %> on <%= session.getAttribute("departOn") %></h5>
                    <p class="card-text"><%= session.getAttribute("flightNumber") %> <%=
session.getAttribute("airline") %></p>
                </div>
                <div class="card-header" style = "background-color:dodgerblue;">Passenger Summary</div>
                <div class="card-body" style = "background-color:white;">
                    <h5 class="card-title">Booking Name: <%= session.getAttribute("pname") %> | Email: <%=
session.getAttribute("pemail") %>
                    | Phone: <%= session.getAttribute("phone") %></h5>
                </div>
            <div class="card-header" style = "background-color:dodgerblue">Payment Summary</div>

```

```

        <div class="card-body" style = "background-color:white;">
            <h5 class="card-title">Card Name: <%= session.getAttribute("cardname") %> | Card No.: <%=
session.getAttribute("cardnum") %></h5>
        </div>
        <div class="card-header"><h2>Total Price: <%= session.getAttribute("total") %> </h2></div>
        <button class="btn btn-primary mb-3 text-center lead fw-bolder"
onclick="window.print()">Print</button>
    </div>
</div>
</div>
</div>
<div class="bg-light text-center text-lg-start">
<!-- Copyright -->
<div class="text-center p-3" style="background-color: rgba(0, 0, 0, 0.2);">
    © 2022 Copyright:
    <a class="text-dark" href="https://mdbootstrap.com/">Developed by Dakamanbha Ryngkhlem</a>
</div>
<!-- Copyright -->
</div>
</body>
</html>

```


admin-homepage.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Admin Homepage</title>
<link rel="stylesheet" type="text/css" href="./assets/index.css" />
<link rel="stylesheet" type="text/css"
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" />
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-/bQdsTh/da6pkI1MST/rWKFJjaCP5gBSY4sEBT38Q/9RBh9AH40zEOg7H1q2THRZ"
    crossorigin="anonymous"></script>
<link
    href="https://fonts.googleapis.com/css?family=Raleway&display=swap"
    rel="stylesheet" />
<script src="https://kit.fontawesome.com/92e9dde9ec.js"
    crossorigin="anonymous"></script>
<style>
body {
    margin: 0;
    padding: 0;
    background: #fff;
    font-family: 'Raleway', sans-serif;
    color: #fff;
    height: 100vh;
    width: 100%;
    background: url('./img/background.jpg');
    background-position: right;
    background-attachment: fixed;
    background-repeat: no-repeat;
}

.banner .navbar {
    margin-top: 2%;
}

.banner .navbar-brand {
    color: #fff;
    font-size: 1.8em;
    font-weight: 700;
```

```

        margin-left: 7%;
    }

    .banner .nav {
        margin-right: 7%;
    }

    .banner .nav li a {
        color: #aaa;
        font-size: 1.5em;
    }

    .login {
        margin-left: 50%;
        margin-top: 40%;
    }
</style>
</head>
<body>
    <div class="container-fluid banner">
        <div class="row">
            <div class="col-md-12">
                <nav class="navbar navbar-md">
                    <div class="navbar-brand text-dark">
                        <a href="index.jsp" class="text-decoration-none text-dark"><i
                            class="fas fa-plane"></i>FlyAway</a>
                    </div>
                </nav>
            </div>
            <div class="col-md-12">
                <h2 class="text-center text-dark">Admin Home Page</h2>
            </div>
            <div class="row">
                <div class="col-md-12 bg-secondary login" >
                    <form name="contact-form" action="ValidateUser" method="POST">
                        <div class="mb-3">
                            <label for="email" class="col-form-label">Email:</label> <input
                                type="text" class="form-control" id="email" name="email"
                                required>
                        </div>
                        <div class="mb-3">
                            <label for="name" class="col-form-label">Password:</label> <input
                                type="password" class="form-control" id="password"
                                name="password" required>
                        </div>
                        <input class="btn btn-primary mb-3" type="submit" value="Login">
                    </form>
                </div>
            </div>
        </div>
    </div>

```

```

        <button type="button" class="btn btn-info mb-3"
            data-bs-toggle="modal" data-bs-target="#register">Register</button>
    </form>
</div>
</div>
</div>
</div>
</div>
<div class="modal fade" id="register" tabindex="-1">
    <div class="modal-dialog text-dark">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="enrollLabel">Register</h5>
                <button type="button" class="btn-close" data-bs-dismiss="modal"
                    aria-label="Close"></button>
            </div>
            <div class="modal-body">
                <form action="RegisterUser" method="POST">
                    <div class="mb-3">
                        <label for="email" class="col-form-label">Email:</label> <input
                            type="text" class="form-control" id="email" name="email"
                            required>
                    </div>
                    <div class="mb-3">
                        <label for="name" class="col-form-label">Password:</label> <input
                            type="password" class="form-control" id="password"
                            name="password" required>
                    </div>
                    <input class="btn btn-primary mb-3" type="submit" value="Register">
                </form>
            </div>
            <div class="modal-footer">
                <button type="button" class="btn btn-secondary"
                    data-bs-dismiss="modal">Close</button>
            </div>
        </div>
    </div>
</div>
</body>
</html>

```

RegisterUser.java

```
package com.simplilearn.controller;
```

```
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 com.simplilearn.beans.Admin;
```

```
import com.simplilearn.dao.AdminDao;
```

```
import com.simplilearn.dao.AdminDaoImpl;
```

```
/**
```

```
 * Servlet implementation class RegisterUser
```

```
 */
```

```
@WebServlet("/RegisterUser")
```

```
public class RegisterUser extends HttpServlet {
```

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

```
/**
```

```
 * @see HttpServlet#HttpServlet()
```

```

*/
public RegisterUser() {
    super();
    // TODO Auto-generated constructor stub
}

/**
 * @see HttpServlet#service(HttpServletRequest request, HttpServletResponse response)
 */
protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
    response.setContentType("text/html");

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

    Admin admin = new Admin(email, password);
    AdminDao dao = new AdminDaoImpl();

    Integer adminId = dao.addAdmin(admin);

    if(adminId != null)
        response.sendRedirect("admin-homepage.jsp");}}

```

ValidateUser.java

```
package com.simplilearn.controller;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
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;
```

```
import javax.servlet.http.HttpSession;
```

```
import com.simplilearn.beans.Admin;
```

```
import com.simplilearn.dao.AdminDao;
```

```
import com.simplilearn.dao.AdminDaoImpl;
```

```
/**
```

```
 * Servlet implementation class ValidateUser
```

```
 */
```

```
@WebServlet("/ValidateUser")
```

```
public class ValidateUser extends HttpServlet {
```

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

```
/**
 * @see HttpServlet#HttpServlet()
 */
public ValidateUser() {
    super();
    // TODO Auto-generated constructor stub
}

/**
 * @see HttpServlet#service(HttpServletRequest request, HttpServletResponse response)
 */
protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

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

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

    Admin admin = new Admin(email, password);
    AdminDao adminDao = new AdminDaoImpl();
```

```
boolean isCredentialsValid = adminDao.validate(admin);
```

```
if(isCredentialsValid) {
```

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

```
    session.setAttribute("email", admin.getEmail());
```

```
    session.setAttribute("password", admin.getPassword());
```

```
    response.sendRedirect("admin-dashboard.jsp");
```

```
}else {
```

```
    RequestDispatcher rd = request.getRequestDispatcher("admin-homepage.jsp");
```

```
    rd.include(request, response);
```

```
    out.print("<header style='color:red; margin-left:7%'> Invalid email or password! </header>");
```

```
}
```

```
}
```

```
}
```


admin-dashboard.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.List" %>
<%@ page import="com.simplilearn.beans.FlightDetails" %>
<%@ page import="com.simplilearn.dao.FlightDetailsDaoImpl" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>FlyAway</title>

<link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
    crossorigin="anonymous">
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"
    crossorigin="anonymous"></script>
<link
    href="https://fonts.googleapis.com/css?family=Raleway&display=swap"
    rel="stylesheet" />
<script src="https://kit.fontawesome.com/92e9dde9ec.js"
    crossorigin="anonymous"></script>
<style>
body {
    margin: 0;
    padding: 0;
    background: #fff;
    font-family: 'Raleway', sans-serif;
    color: #fff;
}
.banner {
    height: 100vh;
    width: 100%;
}
.banner .navbar {
    margin-top: 2%;
}
.banner .navbar-brand {
    color: #fff;
```

```

        font-size: 1.8em;
        font-weight: 700;
        margin-left: 7%;
    }
    .banner .nav {
        margin-right: 7%;
    }
    .banner .nav li a {
        color: #aaa;
        font-size: 1.5em;
    }
    .banner p {
        font-weight: 500;
        letter-spacing: 2px;
    }
    .login {
        margin-left: 50%;
    }
    tr:nth-child(even) {
        background-color: #D6EEEE;
    }
    tr:hover {
        background-color: #D6EEEE;
    }
    table, th, td {
        border: 1px solid black;
        border-collapse: collapse;
    }
</style>
</head>
<body>
<%
    if(session.getAttribute("email") == null)
        response.sendRedirect("admin-homepage.jsp");
%>
<div
    class="container-fluid banner justify-content-center align-items-center">
    <div class="row g-2">
        <div class="col-md-12">
            <nav class="navbar navbar-md">
                <div class="navbar-brand text-dark">
                    <a href="index.jsp" class="text-decoration-none text-dark"><i
                        class="fas fa-plane"></i>FlyAway</a>
                </div>
                <ul class="nav">
                    <li class="nav-item"><a class="nav-link text-dark"

```

```

                href="admin-homepage.jsp"><i class="fas fa-user-cog"></i> Admin Login</a>
            </li>
        </ul>
    </nav>
</div>
<div class="col-md-12 text-center text-dark">
    <h2>Admin Dashboard</h2>
    <p>
        You are logged in as :
        <%= session.getAttribute("email") %>
        and password is :
        <%= session.getAttribute("password") %>
    </p>
</div>
</div>
<div class="row g-2">
    <div class="col-md-12 d-flex justify-content-center m-2">
        <button type="button" class="btn btn-primary" data-bs-toggle="modal"
            data-bs-target="#flight">Add Flight</button>
        <button type="button" class="btn btn-primary" data-bs-toggle="modal"
            data-bs-target="#change">Change Password</button>
        <a href="Logout"><button class="btn btn-danger">Logout</button></a>
    </div>
</div>
<div class="container">
    <div class="row text-dark">
        <div class="col-md-12 mb-3">
            <p class="lead text-center m-3">Flight Table Data</p>
            <table style="width: 100%; text-align: center;">
                <tr>
                    <th>Id</th>
                    <th>Flight Number</th>
                    <th>Airline</th>
                    <th>Source</th>
                    <th>Destination</th>
                    <th>Date</th>
                    <th>Time</th>
                    <th>Ticket Price</th>
                </tr>
                <tr>
                    <%
                        FlightDetailsDaoImpl dao = new FlightDetailsDaoImpl();
                        List<FlightDetails> flights = dao.getAllFlights();
                        for(FlightDetails flight : flights)
                    </tr>
                    <tr>
                        <td>
                            out.print("<tr>");

```

```

        out.print("<td>" + flight.getFlightId() + "</td>");
        out.print("<td>" + flight.getFlightNumber() + "</td>");
        out.print("<td>" + flight.getFlightName() + "</td>");
        out.print("<td>" + flight.getSource() + "</td>");
        out.print("<td>" + flight.getDestination() + "</td>");
        out.print("<td>" + session.getAttribute("departOn") + "</td>");
        out.print("<td>" + flight.getTime() + "</td>");
        out.print("<td>" + flight.getPrice() + "</td>");
        out.print("</tr>");
    }
    %>
</tr>
</table>
</div>
</div>
</div>
</div>
<!-- Password Change Modal -->
<div class="modal fade" id="change" tabindex="-1">
    <div class="modal-dialog text-dark">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="enrollLabel">Change Password</h5>
                <button type="button" class="btn-close" data-bs-dismiss="modal"
                    aria-label="Close"></button>
            </div>
            <div class="modal-body">
                <form action="ChangePassword" method="POST">
                    <div class="mb-3">
                        <label for="email" class="col-form-label">Email:</label> <input
                            type="text" class="form-control" id="email" name="email"
                            required>
                    </div>
                    <div class="mb-3">
                        <label for="newpass" class="col-form-label">New Password:</label>
                        <input type="password" class="form-control" id="newpass"
                            name="newpass" required>
                    </div>
                    <div class="mb-3">
                        <label for="password" class="col-form-label">Confirm
                            Password:</label> <input type="password" class="form-control"
                            id="password" name="password" required>
                    </div>
                    <input class="btn btn-primary mb-3" type="submit" value="Change">
                </form>
            </div>
        </div>
    </div>
</div>

```

```

        <div class="modal-footer">
            <button type="button" class="btn btn-secondary"
                data-bs-dismiss="modal">Close</button>
        </div>
    </div>
</div>

<!-- Add Flight Modal -->
<div class="modal fade" id="flight" tabindex="-1">
    <div class="modal-dialog text-dark">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="enrollLabel">Add Flight</h5>
                <button type="button" class="btn-close" data-bs-dismiss="modal"
                    aria-label="Close"></button>
            </div>
            <div class="modal-body">
                <form action="AddFlights" method="POST">
                    <div class="mb-3">
                        <label for="flightNumber" class="col-form-label">Flight
                            Number:</label> <input type="text" class="form-control"
                                id="flightNumber" name="flightNumber" required>
                    </div>
                    <div class="mb-3">
                        <label for="airline" class="col-form-label">Airline:</label> <input
                            type="text" class="form-control" id="airline" name="flightName"
                                required>
                    </div>
                    <div class="mb-3">
                        <label for="source" class="col-form-label">Source:</label> <input
                            type="text" class="form-control" id="source" name="source"
                                required>
                    </div>
                    <div class="mb-3">
                        <label for="destination" class="col-form-label">Destination:</label>
                        <input type="text" class="form-control" id="destination"
                            name="destination" required>
                    </div>
                    <div class="mb-3">
                        <label for="date" class="col-form-label">Date:</label> <input
                            type="date" class="form-control" id="time" name="departOn" required>
                    </div>
                    <div class="mb-3">
                        <label for="time" class="col-form-label">Time:</label> <input
                            type="time" class="form-control" id="time" name="time" required>

```

```

        </div>
        <div class="mb-3">
            <label for="price" class="col-form-label">Price:</label> <input
                type="text" class="form-control" id="price" name="price"
                required>
        </div>
        <input class="btn btn-primary mb-3" type="submit" value="Add">
    </form>
</div>
<div class="modal-footer">
    <button type="button" class="btn btn-secondary"
        data-bs-dismiss="modal">Close</button>
</div>
</div>
</div>
<div>
<footer class="bg-light text-center text-lg-start">
    <!-- Copyright -->
    <div class="text-center p-3" style="background-color: rgba(0, 0, 0, 0.2);">
        © 2022 Copyright:
        <a class="text-dark" href="https://mdbootstrap.com/">Developed by Dakamanbha Ryngkhlem</a>
    </div>
    <!-- Copyright -->
</footer>
</body>
</html>

```

AddFlights.java

```
package com.simplilearn.controller;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
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;
```

```
import com.simplilearn.beans.FlightDetails;
```

```
import com.simplilearn.dao.FlightDetailsDao;
```

```
import com.simplilearn.dao.FlightDetailsDaoImpl;
```

```
/**
```

```
 * Servlet implementation class AddFlights
```

```
 */
```

```
@WebServlet("/AddFlights")
```

```
public class AddFlights extends HttpServlet {
```

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

```
/**
 * @see HttpServlet#HttpServlet()
 */
public AddFlights() {
    super();
    // TODO Auto-generated constructor stub
}

/**
 * @see HttpServlet#service(HttpServletRequest request, HttpServletResponse response)
 */
protected void service(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

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

    String flightNumber = request.getParameter("flightNumber");
    String source = request.getParameter("source");
    String destination = request.getParameter("destination");
    String flightName = request.getParameter("flightName");
    String time = request.getParameter("time");
    String departOn = request.getParameter("departOn");
```



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

```
FlightDetails flightBean = new FlightDetails(flightNumber,flightName, source, destination,  
                                             departOn, time, price);
```

```
FlightDetailsDao flightDao = new FlightDetailsDaoImpl();
```

```
Integer flightId = flightDao.addFlight(flightBean);
```

```
if(flightId !=null) {
```

```
    RequestDispatcher rd = request.getRequestDispatcher("admin-dashboard.jsp");
```

```
    rd.include(request, response);
```

```
    out.print("<script>window.alert('Flight Added Successfully')</script>");
```

```
}
```

```
}
```

```
}
```

ChangePassword.java

```
package com.simplilearn.controller;
```

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
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;
```

```
import com.simplilearn.dao.AdminDao;
```

```
import com.simplilearn.dao.AdminDaoImpl;
```

```
/**
```

```
 * Servlet implementation class ChangePassword
```

```
 */
```

```
@WebServlet("/ChangePassword")
```

```
public class ChangePassword extends HttpServlet {
```

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

```
/**
```

```
 * @see HttpServlet#HttpServlet()
```

```
 */
```

```
public ChangePassword() {
```

```
    super();
```

```
    // TODO Auto-generated constructor stub
```

```
}
```

```
/**
```

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

```
 */
```

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

```
    response.setContentType("text/html");
```

```
    PrintWriter out = response.getWriter();
```

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

```
AdminDao adminDao = new AdminDaoImpl();  
adminDao.updatePassword(email, password);
```

```
RequestDispatcher rd = request.getRequestDispatcher("admin-homepage.jsp");  
rd.include(request, response);
```

```
out.print("<header style='color:green; margin-left:7%'> Password updated successfully! </header>");
```

```
}
```

```
}
```

Logout.java

```
package com.simplilearn.controller;
```

```
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 Logout
```

```
 */
```

```
@WebServlet("/Logout")
```

```
public class Logout extends HttpServlet {
```

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

```
    /**
```

```
     * @see HttpServlet#HttpServlet()
```

```
     */
```

```
    public Logout() {
```

```
        super();
```

```
        // TODO Auto-generated constructor stub
```

```
    }
```

```
    /**
```

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

```
     */
```

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

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

```
        session.removeAttribute("email");
```

```
        session.invalidate();
```

```
        response.sendRedirect("index.jsp");
```

```
    }
```

```
}
```

general-error.jsp

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Error 404</title>
</head>
<body>
<h1>Error 404</h1>
<h5>File not found</h5>
</body>
</html>
```

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" id="WebApp_ID"
version="4.0">
  <display-name>Project</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.jsp</welcome-file>
    <welcome-file>default.htm</welcome-file>
  </welcome-file-list>

  <error-page>
    <location>/general-error.html</location>
  </error-page>
</web-app>
```

hibernate.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 name="sessionfactory">
    <property name="hibernate.connection.driver_class">com.mysql.jdbc.Driver</property>
    <property name="hibernate.connection.password">Darling143@</property>
    <property name="hibernate.connection.url">jdbc:mysql://localhost:3306/fly-away</property>
    <property name="hibernate.connection.username">root</property>
```

```
<property name="hibernate.dialect">org.hibernate.dialect.MySQLDialect</property>
<property name="show_sql">true</property>
<mapping class="com.simplilearn.beans.Admin"></mapping>
<mapping class="com.simplilearn.beans.FlightDetails"/>
</session-factory>
</hibernate-configuration>
```

Admin.java

```
package com.simplilearn.beans;
```

```
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.Table;
```

```
@Entity
```

```
@Table
```

```
public class Admin {
```

```
    @Id
```

```
    @GeneratedValue(strategy = GenerationType.IDENTITY)
```

```
    private int adminId;
```

```
    private String email;
```

```
    private String password;
```

```
    public Admin() {
```

```
    }
```

```
    public Admin(String email, String password) {
```

```
        this.email = email;
```

```
        this.password = password;
```

```
    }
```

```
    public int getAdminId() {
```

```
        return adminId;
```

```
}

public void setAdminId(int adminId) {
    this.adminId = adminId;
}

public String getEmail() {
    return email;
}

public void setEmail(String email) {
    this.email = email;
}

public String getPassword() {
    return password;
}

public void setPassword(String password) {
    this.password = password;
}

@Override
public String toString() {
    return "Admin [adminId=" + adminId + ", email=" + email + ", password=" + password + "];"
}

}
```

FlightDetails.java

```
package com.simplilearn.beans;
```

```
import javax.persistence.Column;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.Table;
```

```
@Entity
```

```
@Table(name = "flightdetails")
```

```
public class FlightDetails {
```

```
    @Id
```

```
    @GeneratedValue(strategy = GenerationType.IDENTITY)
```

```
    private int flightId;
```

```
    private String flightNumber;
```

```
    private String flightName;
```

```
    @Column(name = "source")
```

```
    private String source;
```

```
    @Column(name = "destination")
```

```
    private String destination;
```

```
    private String departOn;
```

```
    private String time;
```

```
    private String price;
```

```
    public FlightDetails() {
```

```
    }
```

```
    public FlightDetails(String flightNumber, String flightName, String source, String destination, String departOn,
```

```
        String time, String price) {
```

```
        super();
```

```
        this.flightNumber = flightNumber;
```

```
        this.flightName = flightName;
```

```
        this.source = source;
```

```
        this.destination = destination;
```



```
        this.departOn = departOn;
        this.time = time;
        this.price = price;
    }
```

```
    public int getFlightId() {
        return flightId;
    }
```

```
    public void setFlightId(int flightId) {
        this.flightId = flightId;
    }
```

```
    public String getFlightNumber() {
        return flightNumber;
    }
```

```
    public void setFlightNumber(String flightNumber) {
        this.flightNumber = flightNumber;
    }
```

```
    public String getFlightName() {
        return flightName;
    }
```

```
    public void setFlightName(String flightName) {
        this.flightName = flightName;
    }
```

```
    public String getSource() {
        return source;
    }
```

```
    public void setSource(String source) {
        this.source = source;
    }
```

```

public String getDestination() {
    return destination;
}

public void setDestination(String destination) {
    this.destination = destination;
}

public String getDepartOn() {
    return departOn;
}

public void setDepartOn(String departOn) {
    this.departOn = departOn;
}

public String getTime() {
    return time;
}

public void setTime(String time) {
    this.time = time;
}

public String getPrice() {
    return price;
}

public void setPrice(String price) {
    this.price = price;
}

@Override
public String toString() {
    return "FlightDetails [flightId=" + flightId + ", flightNumber=" + flightNumber + ", flightName=" + flightName
        + ", source=" + source + ", destination=" + destination + ", departOn=" + departOn + ", time=" + time
        + ", price=" + price + "]";
}

}

```

AdminDao.java

```
package com.simplilearn.dao;

import com.simplilearn.beans.Admin;

public interface AdminDao {
    Integer addAdmin(Admin admin);
    Admin searchByEmail(String email);
    boolean validate(Admin admin);
    void updatePassword(String email,String password);
}
```

AdminDaoImpl.java

```
package com.simplilearn.dao;

import javax.persistence.TypedQuery;

import org.hibernate.Session;
import org.hibernate.SessionFactory;
import org.hibernate.Transaction;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

import com.simplilearn.beans.Admin;

public class AdminDaoImpl implements AdminDao {

    private SessionFactory sessionFactory;

    public AdminDaoImpl() {
        StandardServiceRegistry ssl = new StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();
        Metadata meta = new MetadataSources(ssl).getMetadataBuilder().build();
        sessionFactory = meta.getSessionFactoryBuilder().build();
    }
}
```

@Override

```
public Integer addAdmin(Admin admin) {  
  
    Integer adminId = null;  
    Session session = sessionFactory.openSession();  
    Transaction transaction = session.beginTransaction();  
    adminId = (Integer) session.save(admin);  
    transaction.commit();  
    session.close();  
    return adminId;  
}
```

@Override

```
public Admin searchByEmail(String email) {  
    Session session = sessionFactory.openSession();  
    String hql = "From Admin where email = :email";  
    TypedQuery<Admin> query = session.createQuery(hql);  
    query.setParameter("email", email);  
    Admin admin = query.getSingleResult();  
    session.close();  
    return admin;  
}
```

@Override

```
public boolean validate(Admin admin) {  
    boolean isValid = false;  
    String email = admin.getEmail();  
    String password = admin.getPassword();  
    Admin adminDb = searchByEmail(email);  
  
    if (email.equals(adminDb.getEmail()) && password.equals(adminDb.getPassword())) {  
        isValid = true;  
    }  
    return isValid;  
}
```

```
@Override
public void updatePassword(String email, String password) {

    Session session = sessionFactory.openSession();
    Transaction transaction = session.beginTransaction();

    Admin admin = searchByEmail(email);
    admin.setPassword(password);

    session.update(admin);
    transaction.commit();
    session.close();
}
}
```

FlightDetailsDao.java

```
package com.simplilearn.dao;
```

```
import java.util.List;
```

```
import com.simplilearn.beans.FlightDetails;
```

```
public interface FlightDetailsDao {
```

```
    Integer addFlight(FlightDetails flight);
```

```
    List<FlightDetails> searchFlights(String source, String destination);
```

```
    List<FlightDetails> getAllFlights();
```

```
    List<FlightDetails> viewAirline();
```

```
}
```

FlightDetailsDaoImpl.java

```
package com.simplilearn.dao;
```

```
import java.util.List;
```

```
import javax.persistence.TypedQuery;
```

```
import org.hibernate.Session;
```

```
import org.hibernate.SessionFactory;
```

```
import org.hibernate.Transaction;
```

```
import org.hibernate.boot.Metadata;
```

```
import org.hibernate.boot.MetadataSources;
```

```
import org.hibernate.boot.registry.StandardServiceRegistry;
```

```
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;
```

```
import com.simplilearn.beans.FlightDetails;
```

```
public class FlightDetailsDaoImpl implements FlightDetailsDao {
```

```
    private SessionFactory sessionFactory;
```

```
    FlightDetails flight = null;
```

```
public FlightDetailsDaoImpl() {  
    StandardServiceRegistry registry = new StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();  
    Metadata meta = new MetadataSources(registry).getMetadataBuilder().build();  
    sessionFactory = meta.getSessionFactoryBuilder().build();  
}
```

@Override

```
public Integer addFlight(FlightDetails flight) {  
  
    Integer flightId = null;  
    Session session = sessionFactory.openSession();  
    Transaction transaction = session.beginTransaction();  
    flightId = (Integer) session.save(flight);  
    transaction.commit();  
    session.close();  
    return flightId;  
}
```

@Override

```
public List<FlightDetails> searchFlights(String source, String destination) {  
  
    List<FlightDetails> flight = null;  
    Session session = sessionFactory.openSession();  
    String query = "FROM FlightDetails where source = :source AND destination = :destination";  
  
    TypedQuery<FlightDetails> typedQuery = session.createQuery(query);  
    typedQuery.setParameter("source", source);  
    typedQuery.setParameter("destination", destination);  
    flight = typedQuery.getResultList();  
    session.close();  
    return flight;  
}
```

@Override

```
public List<FlightDetails> getAllFlights() {  
    List<FlightDetails> flight = null;  
    Session session = sessionFactory.openSession();  
    Transaction transaction = session.beginTransaction();
```

```
String query = "From FlightDetails";
```

```
TypedQuery<FlightDetails> typedQuery = session.createQuery(query);  
flight = typedQuery.getResultList();  
session.close();  
return flight;
```

```
}
```

```
@Override
```

```
public List<FlightDetails> viewAirline() {  
    List<FlightDetails> flights = null;  
    Session session = sessionFactory.openSession();  
    String query = "From FlightDetails where flightName = :flightName";  
  
    TypedQuery<FlightDetails> typeQuery = session.createQuery(query);  
    typeQuery.setParameter("flightName", flightName);  
    flights = typeQuery.getResultList();  
    session.close();  
    return flights;
```

```
}
```

```
}
```


HibernateUtils.java

```
package com.simplilearn.hibernate.utils;
import org.hibernate.SessionFactory;
import org.hibernate.boot.Metadata;
import org.hibernate.boot.MetadataSources;
import org.hibernate.boot.registry.StandardServiceRegistry;
import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

public class HibernateUtils {

    private static StandardServiceRegistry registry;
    private static SessionFactory sessionFactory;

    public static SessionFactory getSessionFactory() {
        if (sessionFactory == null) {
            try {
                registry = new StandardServiceRegistryBuilder().configure("hibernate.cfg.xml").build();

                MetadataSources sources = new MetadataSources(registry);

                Metadata metaData = sources.getMetadataBuilder().build();

                sessionFactory = metaData.getSessionFactoryBuilder().build();

            } catch (Exception e) {
                e.printStackTrace();
                if (registry != null) {
                    StandardServiceRegistryBuilder.destroy(registry);
                }
            }
        }
        return sessionFactory;
    }

    public static void shutdown() {
        if (registry != null) {
            StandardServiceRegistryBuilder.destroy(registry);
        }
    }
}
```