

FlyAway (An Airline Booking Portal)

Code

LoginServlet.java

```
package com.simplilearn.demo;

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;

/**
 * Servlet implementation class Login
 */
@WebServlet("/AdminControllerServlet")
public class LoginServlet extends HttpServlet {

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

    @Override
```

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

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

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

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

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

```
if(email.equalsIgnoreCase("baljeet@gmail.com") && password.equalsIgnoreCase("12345")) {
```

```
    //add user in the session once the login is done
```

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

```
    //setAttribute method is used to store an object in session by allotting a unique
```

```
    //string to the object. Later, By using the same string this object can be
```

```
    //accessed from the session until the session is active.
```

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

```
    session.setAttribute("pass", password);
```

```
    resp.sendRedirect("routes.jsp");
```

```
}
```

```
else {
```

```
    RequestDispatcher rd = req.getRequestDispatcher("login.jsp");
```

```
        rd.include(req, resp);
```

```
    out.println("<h2 align=\"center\">Email or Password Error!</h2>");
```

```
        out.println("<h2 align=\"center\">Enter valid Email and  
password<br/><br/></br></h2>");
```

```
}
```

```
}
```

```
}
```

AvailFlights.java

```
package com.simplilearn.demo;
```

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

```
import java.io.InputStream;
```

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

```
import java.sql.Connection;
```

```
import java.sql.PreparedStatement;
```

```
import java.sql.ResultSet;
```

```
import java.sql.SQLException;
```

```
import java.util.ArrayList;
```

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

```
import java.util.Properties;
```

```
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;
```

```
@WebServlet("/AvailFlights")
```

```
public class AvailFlights extends HttpServlet {
```

```
    /**
```

```
    *
```

```
    */
```

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

```

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

    // TODO Auto-generated method stub

    resp.setContentType("text/html");

    //connecting to database
    Properties props= new Properties();

    InputStream in= getServletContext().getResourceAsStream("/WEB-INF/application.properties");

    props.load(in);

    Connection conn=DBConfig.getConnection(props);

    String Airline = (String) req.getAttribute("aircode");

    String date = (String) req.getAttribute("date");

    if(conn!=null)
    {
        try {

            PreparedStatement stmt= conn.prepareStatement("SELECT * FROM

"+Airline+"");

            ResultSet rs=stmt.executeQuery();

            List<String[]> flights=new ArrayList<>();

            while(rs.next())
            {

                String[] flight=new String[5];

                flight[0]=rs.getString("Airline_name");

                flight[1]=rs.getString("Price");

                flight[2]=rs.getString("Start_time");

                flight[3]=rs.getString("End_time");

                flights.add(flight);

            }

        }
    }
}

```

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

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

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

```
req.getRequestDispatcher("FlightList.jsp").forward(req, resp);
```

```
    } catch (SQLException e) {
```

```
        // TODO Auto-generated catch block
```

```
        e.printStackTrace();
```

```
    }
```

```
}
```

```
}
```

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

```
    // TODO Auto-generated method stub
```

```
    doGet(req, resp);
```

```
}
```

```
}
```

UserdetailsController.java

```
package com.simplilearn.demo;
```

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

```
import java.util.HashMap;
```

```
import java.util.Map;
```

```
import java.util.regex.Pattern;
```

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

```
import org.apache.tomcat.util.file.Matcher;
```

```
import com.simplilearn.demo.Userdetails;
```

```
/**
```

```
 * Servlet implementation class ProductController
```

```
 */
```

```
@WebServlet("/UserdetailsController")
```

```
public class UserdetailsController extends HttpServlet {
```

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

```
/**
```

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

```
 */
```

```
public UserdetailsController() {
```

```
    super();
```

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

```
}
```

```
/**
```

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

```
 */
```

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

```
        // TODO Auto-generated method stub
```

```

        response.getWriter().append("Served at: ").append(request.getContextPath());
    }

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

        HttpSession session = request.getSession();

        Userdetails u1 = new Userdetails(request.getParameter("pname"),
            request.getParameter("pgender"),

            request.getParameter("pnumber"),request.getParameter("pemail"),request.getParameter("page"))
;

        session.setAttribute("userdetails", u1);
        response.sendRedirect("payment.jsp");

    }
}

```

GetAirlineGroup.java

```
package com.simplilearn.demo;
```

```

import java.io.IOException ;
import java.io.InputStream;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

```

```
import java.text.SimpleDateFormat;

import java.util.Properties;


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;
```

```
@WebServlet("/AvailableFlights")
```

```
public class GetAirlineGroup extends HttpServlet {
```

```
    /**
```

```
     *
```

```
    */
```

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

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

```
        // TODO Auto-generated method stub
```

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

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

```
        String source= req.getParameter("from");
```

```
        String destination= req.getParameter("to");
```

```
        String date = req.getParameter("date");
```

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

```
        session.setAttribute("from", source);
```

```
        session.setAttribute("to", destination);
```



```

//connecting to database

Properties props= new Properties();

InputStream in= getServletContext().getResourceAsStream("/WEB-INF/application.properties");

props.load(in);

Connection conn=DBConfig.getConnection(props);

if(conn!=null)
{
    try {

        //update operation

        PreparedStatement stmt= conn.prepareStatement("SELECT airline_group
FROM routes WHERE From_source=? and To_destination=?" );

        stmt.setString(1, source);

        stmt.setString(2, destination);

        ResultSet rs=stmt.executeQuery();

        String Airline_code = null;

        while(rs.next()){

            Airline_code= rs.getString(1);

        }

        req.setAttribute("date", date);

        req.setAttribute("aircode", Airline_code);

        RequestDispatcher reqd = req.getRequestDispatcher("AvailFlights");

        reqd.forward(req, resp);
    }
}

```

```

        } catch (SQLException e) {

            // TODO Auto-generated catch block
            e.printStackTrace();

        }

    }

}

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

    // TODO Auto-generated method stub
    doGet(req, resp);

}

}

```

DBConfig.java

```

package com.simplilearn.demo;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.util.Properties;

public class DBConfig {

    public static Connection getConnection(Properties props) {

        Connection connection=null;

        String driver="com.mysql.cj.jdbc.Driver";
        String url="jdbc:mysql://localhost:3306/flyaway";
        String username="root";
    }
}

```

```
String password="978213";
```

```
try {  
    //load driver  
    Class.forName(driver);  
  
    //get connection and store it conn object  
    connection=DriverManager.getConnection(url,username,password);  
  
    } catch (ClassNotFoundException e) {  
        // TODO Auto-generated catch block  
        e.printStackTrace();  
    } catch (SQLException e) {  
        // TODO: handle exception  
        e.printStackTrace();  
    }  
  
    return connection;  
}
```

```
}
```

Useretails.java

```
package com.simplilearn.demo;
```

```
public class Userdetails {  
    private String pname;  
    private String pgender;  
    private String pnumber;  
    private String pemail;  
    private String page;
```

```
public Userdetails(String pname, String pgender, String pnumber, String pemail, String page) {  
    super();  
    this.pname = pname;  
    this.pgender = pgender;  
    this.pnumber = pnumber;  
    this.pemail = pemail;  
    this.page = page;  
}  
  
public String getPname() {  
    return pname;  
}  
  
public void setPname(String pname) {  
    this.pname = pname;  
}  
  
public String getPgender() {  
    return pgender;  
}  
  
public void setPgender(String pgender) {  
    this.pgender = pgender;  
}  
  
public String getPnumber() {  
    return pnumber;  
}  
  
public void setPnumber(String pnumber) {  
    this.pnumber = pnumber;  
}  
  
public String getPemail() {  
    return pemail;  
}
```

```

    }

    public void setPemail(String pemail) {
        this.pemail = pemail;
    }

    public String getPage() {
        return page;
    }

    public void setPage(String page) {
        this.page = page;
    }
}

```

login.jsp

```

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

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

<!DOCTYPE html>

<html>

<head>

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

<title>Login</title>

<link rel='stylesheet' href='https://fonts.googleapis.com/css?family=Rubik:400,700'><link rel="stylesheet"
href="Styles/loginp.css">

</head>

<body>

<div class="login-form">

    <form action="AdminControllerServlet" method="POST">

        <h1>FlyAway</h1>

        <div class="content">

            <div class="input-field">

                <input type="email" placeholder="Email" autocomplete="nope" name="email" required>

```

```

</div>

<div class="input-field">

    <input type="password" placeholder="Password" name="password" required>

</div>


</div>

<div class="action">


    <button type="submit">Sign in</button>

</div>

</form>

</div>

<!-- partial -->

<script src="Styles/loginp.js"></script>


</body>

</html>

```

FlightList.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.*" %>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">


<title>Insert title here</title>
<link rel="stylesheet" href="Styles/flightlist.css">

</head>

```

```
<body>
```

```
<div align = "center">
```

```
<h3>Available Flights</h3>
```

```
<div id="date">
```

```
For date : ${date}
```

```
</div>
```

```
<%
```

```
    @SuppressWarnings("unchecked")
```

```
    List<String[]> flights=(List<String[]>)session.getAttribute("flights");
```

```
%>
```

```
<table id="head" border=1 cellpadding=8 cellspacing=10>
```

```
<tr>
```

```
                <th>Flight Name</th><th>Price</th><th>Start Time</th><th>End  
Time</th><th>Booking</th>
```

```
</tr>
```

```
<%
```

```
    for(String[] flight:flights){
```

```
%>
```

```
<table id="head2" border=0 cellpadding=25>
```

```
<tr>
```

```
<form method="get" action="Userdetails.jsp" enctype=text/plain>
```

```
<td><%=flight[0]%></td>
```

```
<!-- <a href=HomePage.jsp style="color:black;text-decoration:none;font-size:35px;font-weight:bold;">FlyAway</a-->
```


<%

```
String fldata = session.getAttribute("flightdata").toString();
```

```
String[] strArray = fldata.split(" ");
```

```
ArrayList<String> flight = new ArrayList<String>();
```

```
for (int i = 0; i< strArray.length; i++){
```

```
    flight.add(strArray[i]);
```

```
}
```

%>

<form align="center" action="paymentsuccfull.jsp" method="post">

<div class="containerp">

<div class="form">

<h4>Payment Gateway</h4>

<p> <input id="pname" type="text" name="pname" required placeholder="Full Name"> </p>

<p> <input id="pcard" type="text" name="pcard" id="" placeholder="Card Number" required> </p>

<p> <input id="pcvv" type="text" name="pcvv" id="" placeholder="CVV" required> </p>

<p> Amount : <c:out value="<%=flight.get(1)%>"></c:out> </p>

<input id="btn" type="submit" value="PAY">

</div>

</div>

</form>

</body>

</html>

Paymentsuccessful.jsp

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

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

```
<title>Insert title here</title>
```

```
<meta charset="utf-8" />
```

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

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

```
    <title></title>
```

```
    <link href='https://fonts.googleapis.com/css?family=Lato:300,400|Montserrat:700' rel='stylesheet'
type='text/css'>
```

```
    <style>
```

```
        @import url(//cdnjs.cloudflare.com/ajax/libs/normalize/3.0.1/normalize.min.css);
```

```
        @import url(//maxcdn.bootstrapcdn.com/font-awesome/4.2.0/css/font-awesome.min.css);
```

```
    </style>
```

```
    <link rel="stylesheet" href="https://2-22-4-dot-lead-
pages.appspot.com/static/lp918/min/default_thank_you.css">
```

```
    <script src="https://2-22-4-dot-lead-pages.appspot.com/static/lp918/min/jquery-
1.9.1.min.js"></script>
```

```
    <script src="https://2-22-4-dot-lead-pages.appspot.com/static/lp918/min/html5shiv.js"></script>
```

```
</head>
```

```
<body>
```

```
<header class="site-header" id="header">
```

```
    <h1 class="site-header__title" data-lead-id="site-header-title">Payment Successfull !</h1>
```

```
</header>
```

```
<div class="main-content">
```

```
    <i class="fa fa-check main-content__checkmark" id="checkmark"></i>
```

```
    <p class="main-content__body" data-lead-id="main-content-body">Thanks for booking with  
us.</p>
```

```
    <form action="ticket.jsp" method="post">
```

```
    <p class="main-content__body" data-lead-id="main-content-body">Download Ticket</p>
```

```
    <input type="submit" value="Download">
```

```
</form>
```

```
</div>
```

```
<footer class="site-footer" id="footer">
```

```
    <p class="site-footer__fineprint" id="fineprint">Copyright ©2014 | All Rights Reserved</p>
```

```
</footer>
```

```
</body>
```

```
</html>
```

Routes.jsp

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

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

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

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

<title>Route</title>

<link rel="stylesheet" href="Styles/routes.css">

</head>

<body>

<div class="containerR" align="center">

    <h4>Welcome to FlyAway (An Airline Booking Portal).</h4>

    <form action="AvailableFlights" method="POST" align = "center">

<div class="containerRo">

    <label for="source">From :</label>

    <select name="from" id="source" style="width: 350px;">

        <option value="Delhi">Delhi</option>

        <option value="Jaipur">Jaipur</option>

        <option value="Mumbai">Mumbai</option>

        <option value="Punjab">Punjab</option>

        <option value="Pune">Pune</option>

    </select>

    <br>

    <br>

    <label for="destination">To : </label>

    <select name="to" id="destination" style="width: 350px;">

        <option value="Delhi">Delhi</option>

        <option value="Jaipur">Jaipur</option>

        <option value="Mumbai">Mumbai</option>
```

```
        <option value="Punjab">Punjab</option>
        <option value="Pune">Pune</option>
    </select>

    <br>
    <br>

    <label for="date">Date : </label>
    <input type="date" id="birthday" name="datee">

    <br>
    <br>

    <button id="btn" type="submit" style="width: 200px;">Submit</button>

</div>
</form>
</div>
</body>
</html>
```

Ticket.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@ page import="java.util.*" %>

<!DOCTYPE html>

<html>

<head>

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

```
<title>E-Ticket</title>
```

```
<link rel="stylesheet" href="Styles/ticketstyle.css">
```

```
</head>
```

```
<body>
```

```
<h1>Flyaway</h1>
```

```
<div class="containerti" align="center">
```

```
    <h4>E-Ticket</h4>
```

```
    <%
```

```
String fldata = session.getAttribute("flightdata").toString();
```

```
String[] strArray = fldata.split(" ");
```

```
ArrayList<String> flight = new ArrayList<String>();
```

```
for (int i = 0; i< strArray.length; i++){
```

```
    flight.add(strArray[i]);
```

```
}
```

```
%>
```

```
<h3 id="main">
```

```
Name: <c:out value="${userdetails.pname }"></c:out>
```

```
<br>
```

```
Gender: <c:out value="${userdetails.pgender }"></c:out>
```

```
<br>
```

```
Mobile No: <c:out value="${userdetails.pnumber }"></c:out>
```

```
<br>
```

```
Email: <c:out value="${userdetails.pemail }"></c:out>
```

```
<br>
Age: <c:out value="\${userdetails.page}"/></c:out>
<br>
<br>
Flight : <c:out value="\<%=flight.get(0)%"/></c:out>
<br>
Start time : <c:out value="\<%=flight.get(2)%"/></c:out>
<br>
Reach Time : <c:out value="\<%=flight.get(3)%"/></c:out>
<br>
From : <%= session.getAttribute("fromm") %>
<br>
To : <%= session.getAttribute("too") %>
<br>
Date Of Travelling : <%= session.getAttribute("date") %>
<br>
Amount Paid : <c:out value="\<%=flight.get(1)%"/></c:out>
<br>

</h3>

<br>
    <br>
    <a id="btn" href="routes.jsp">New Booking</a>
</div>

</body>
</html>
```

Userdetails.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link href="https://fonts.googleapis.com/css2?family=Acme&display=swap" rel="stylesheet">

    <link rel="stylesheet" href="challenge1.css">
    <meta charset="ISO-8859-1">
    <title>User Details</title>
</head>
<body>
    <br>

    <!-- <a href=HomePage.jsp style="color:black;text-decoration:none ;font-size:35px;font-
    weight:bold;">FlyAway</a>-->
    <br><br>

    <form action="UserdetailsController" method="post">
    <div class="container">

        <div class="image">
            
        </div>

        <div class="form">
            <h1 align="justify">Welcome to FlyAway</h1>

            <p><input type="text" name="pname" required placeholder="Full Name"> </p>
```



```
<fieldset>
```

```
<p>
```

```
<input type="radio" name="pgender" value="male"> Male
```

```
<input type="radio" name="pgender" value="female"> Female
```

```
</p>
```

```
</fieldset>
```

```
<p><input type="number" name="pnumber" id="" placeholder="Mobile Number" required></p>
```

```
<p><input type="email" name="pemail" id="" placeholder="Email" required></p>
```

```
<p><input type="number" name="page" id="" placeholder="Age" required></p>
```

```
<input type="submit" value="Save"></a>
```

```
<%
```

```
String sCommand = request.getParameter("command");
```

```
System.out.println(sCommand);
```

```
session.setAttribute("flightdata",sCommand);
```

```
%>
```

```
</div>
```

</div>

</form>

</body>

</html>