FlyAway
An Airline Booking Portal

Source Code

File 1: JdbcConnectUtil.java

```java
package com.ConnectDatabase;


import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;

import com.utilString.StringUtil;

public class JdbcConnectUtil {

	public Connection con= null;
	public Statement st= null;

	public JdbcConnectUtil() throws ClassNotFoundException, SQLException {
		Class.forName("com.mysql.cj.jdbc.Driver");

	con=DriverManager.getConnection("jdbc:mysql://localhost:3306/flyaway_db","root
","mysql");
	System.out.println("Connected");
	st=con.createStatement();

}
	public List<String[]> getAvailableFlights(String f, String t, String d){
		List<String[]> flights=new ArrayList<>();
		String Query="Select * from flyaway_db.flights where flight_from='"+f+"' and
flight_to='"+t+"' and date='"+d+"'";
			try {
				ResultSet rs = st.executeQuery(Query);

				if(rs.next()) {
					String[] flight=new String[3];
					flight[0]=rs.getString("name");
```

```java
                              flight[1]=rs.getString("time_of_flight");
                              flight[2]=rs.getString("ticket_price");
                              flights.add(flight);
                              return flights;
                       }
                }catch(SQLException e) {
                       e.printStackTrace();
                }
                return flights;
       }

       public HashMap<String, String> checkUser(String email, String password){
                HashMap<String,String> user= null;
                String query="select * from user where email='"+email+"' and
password='"+password+"'";
                try {
                       ResultSet rs=st.executeQuery(query);
                if(rs.next()) {
                       user=new HashMap<>();
                user.put("name",rs.getString("name"));
                user.put("email",rs.getString("email"));
                user.put("phno",rs.getString("phno"));
                user.put("adno",rs.getString("adno"));
                }
                return user;
                }catch(SQLException e) {
                       e.printStackTrace();
                       }
                return user;
       }
       public boolean insertUser(HashMap<String, String> user)
       {
                String query="INSERT INTO user (email, password, name, phno, adno)
values('"+user.get("email")+"','"+user.get("password")+"','"+user.get("name")+"','"+user.get
("phno")+"','"+user.get("adno")+"')";
                try {
                       st.execute(query);
                       return true;
                       } catch(SQLException e) {
                              e.printStackTrace();
                              }
                return false;

       }
       public boolean checkAdmin(String email, String password) {
                try{
```

```java
                        ResultSet rs=st.executeQuery("select * from Admin where
email='"+email+"' and password='"+password+"'");
                        if(rs.next())
                                return true;
                }catch(SQLException e) {
                        e.printStackTrace();
                        }
        return false;
        }
        public boolean changeAdminPassword(String email, String password) {
                try{
                        ResultSet rs=st.executeQuery("select * from Admin where
email='"+email+"'");
                        if(!rs.next()) {
                                return false;
                                }
                        st.execute("update Admin set password='"+password+"' where
email='"+email+"'");
                return true;
        }catch(SQLException e) {
                e.printStackTrace();
                }
        return false;
        }

        public boolean insertFlight(HashMap<String, String>flight) throws SQLException {

                String query1="INSERT INTO flights (flight_from, flight_to, name,
time_of_flight ,ticket_price, date) VALUES"+ " ('"+
                StringUtil.fixSqlFieldValue(flight.get("flight_from")) +"','"+" '"+
                StringUtil.fixSqlFieldValue(flight.get("flight_to")) +"','"+" '"+
                StringUtil.fixSqlFieldValue(flight.get("name")) +"','"+" '"+
                StringUtil.fixSqlFieldValue(flight.get("time_of_flight")) +"','"+" '"+
                StringUtil.fixSqlFieldValue(flight.get("ticket_price")) +"','"+" '"+
                StringUtil.fixSqlFieldValue(flight.get("date")) +"')";
                System.out.println(flight.get("date"));
                System.out.println(flight.get("time_of_flight"));
                try {
                        st.execute(query1);
                        return true;
                } catch (SQLException e) {
                        System.out.println("error");
                        e.printStackTrace();
                }
                return false;
        }
        public static void main(String[] args) throws ClassNotFoundException, SQLException {
```

```java
			JdbcConnectUtil util = new JdbcConnectUtil();
			util.getClass();
			util.checkUser(null, null);
		}

	}
```

File 2: StringUtil.java

```java
package com.utilString;


public class StringUtil {

    public static String fixSqlFieldValue (String value) {

        if(value==null) {

            return null;

        }


        int length = value.length();

        StringBuffer fixedValue = new StringBuffer((int)(length*1.1));

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

            char c=value.charAt(i);

            if(c=='\'') {

                fixedValue.append("''");

            } else {

                fixedValue.append(c);

            }

        }

        return fixedValue.toString();

    }

    public static String encodeHtmlTag(String tag) {

        if(tag==null)return null;

        int length=tag.length();

        StringBuffer encodedTag = new StringBuffer(2 *length);

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

```java
                        char c=tag.charAt(i);

                        if

                        (c=='<')encodedTag.append("&lt;");

                        else if

                        (c=='>')encodedTag.append("&gt;");

                        else if

                        (c=='&')encodedTag.append("&amp;");

                        else if

                        (c=='"')encodedTag.append("&quot;");

                        else if

                        (c==' ')encodedTag.append(" ");

                        else

                                encodedTag.append(c);}

                        return encodedTag.toString();

                }


}
```

File 3: AdminLogin.java

```java
package servlets;

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;

import java.sql.SQLException;
import com.ConnectDatabase.JdbcConnectUtil;
```

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

        protected void doPost (HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                String email=request.getParameter("email");
                String password=request.getParameter("password");
                try {
                        JdbcConnectUtil dao= new JdbcConnectUtil();
                        if(dao.checkAdmin(email,password)) {
                                response.sendRedirect("AdminHome.jsp");
                                }
                        else {
                                        HttpSession session=request.getSession();
                                        session.setAttribute("message","Invalid Details");
                                        response.sendRedirect("AdminPage.jsp");
                                        }
                } catch(ClassNotFoundException | SQLException e) {
                        e.printStackTrace();
                        }
        }
}
```

File 4: FlightsList.java

```java
package servlets;

import java.io.IOException;
import java.sql.SQLException;
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.ConnectDatabase.JdbcConnectUtil;

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

```
        protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                String from=request.getParameter("from");
                String to=request.getParameter("to");
                String departure=request.getParameter("departure");
                try {
                        JdbcConnectUtil dao=new JdbcConnectUtil();
                        List<String[]>flights = dao.getAvailableFlights(from,to,departure);
                        HttpSession session=request.getSession();
                        session.setAttribute("flights",flights);
                } catch (ClassNotFoundException | SQLException e) {
                        //TODOAuto-generated catch block
                        e.printStackTrace();
                        }
                response.sendRedirect("ListofFlights.jsp");
                }
}
```

File 5: ForgotPwd.java

```
package servlets;

import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import java.io.IOException;
import java.sql.SQLException;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

import com.ConnectDatabase.JdbcConnectUtil;

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

        protected void doPost (HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException{
                String email=request.getParameter("email");
                String password=request.getParameter("password");
                try {
                        JdbcConnectUtil dao= new JdbcConnectUtil();
                        HttpSession session=request.getSession();
                        if (dao.changeAdminPassword(email,password)) {
```

```
                                  session.setAttribute("message","Password Changed
Successfully");
                        }
                    else{
                                  session.setAttribute("message","Invalid Details");
                              }
                } catch (ClassNotFoundException | SQLException e) {
                        e.printStackTrace();
                }
            response.sendRedirect("AdminPage.jsp");
        }
}
```

File 6: InsertFlight.java

```java
package servlets;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;
import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import com.ConnectDatabase.JdbcConnectUtil;

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

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

                String from=request.getParameter("from");
                String to=request.getParameter("to");
                String name=request.getParameter("name");
                String time=request.getParameter("time");
                String price=request.getParameter("price");
                String departure=request.getParameter("departure");

                HashMap<String,String>flight=new HashMap<>();
```

```
                flight.put("flight_from",from);
                flight.put("flight_to",to);
                flight.put("name",name);
                flight.put("time_of_flight",time);
                flight.put("ticket_price",price);
                flight.put("date",departure);
                try {
                        JdbcConnectUtil dao = new JdbcConnectUtil();
                        HttpSession session=request.getSession();
                        if(dao.insertFlight(flight)) {
                                session.setAttribute("message", "Flight added successfully");
                                }
                        else {
                        session.setAttribute("message","Invalid Details");
                                }
            }catch (ClassNotFoundException | SQLException e) {
                        System.out.print("error");
                        e.printStackTrace();
                        }
                    response.sendRedirect("AdminHome.jsp");
                }
}
```

File 7: Logout.java

```
package servlets;

import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

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

        protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                HttpSession session=request.getSession();
                session.setAttribute("user",null);response.sendRedirect("welcome.jsp");
                }
}
```

File 8: RegisterUser.java

```java
package servlets;

import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;
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.ConnectDatabase.JdbcConnectUtil;

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

        protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
                String email=request.getParameter("email");
                String password=request.getParameter("password");
                String name=request.getParameter("name");
                String phno=request.getParameter("phno");
                String adno=request.getParameter("adno");

                HashMap<String,String>user=new HashMap<>();
                user.put("email",email);
                user.put("password",password);
                user.put("name",name);
                user.put("phno",phno);
                user.put("adno",adno);
                try {
                        JdbcConnectUtil dao=new JdbcConnectUtil();
                        boolean result = dao.insertUser(user);
                        HttpSession session=request.getSession();

                        if(result) {
                                session.setAttribute("message","User Added Successfully");
                        }else{
                                session.setAttribute("message","Invalid Details");
                                }

                } catch (ClassNotFoundException | SQLException e) {
                        e.printStackTrace();}response.sendRedirect("UserPage.jsp");
                        }
```

}

File 9: UserLogin.java

package servlets;

import java.io.IOException;
import java.sql.SQLException;
import java.util.HashMap;

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.ConnectDatabase.JdbcConnectUtil;

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

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

   String email=request.getParameter("email");
   String password=request.getParameter("password");
   try {
        JdbcConnectUtil dao=new JdbcConnectUtil();
        HashMap<String,String> user=dao.checkUser(email,password);
        HttpSession session=request.getSession();
        if (user!=null) {
                session.setAttribute("user",user);
                response.sendRedirect("welcome.jsp");
                }
        else{
                session.setAttribute("message","Invalid Details");
                response.sendRedirect("UserPage.jsp");
                }
   }catch( ClassNotFoundException | SQLException e) {
        //TODOAuto-generated catch block
        e.printStackTrace();
        }
```

```
        }
}
```

File 10: AdminHome.jsp

```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>Admin Panel</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="header">
  <a class="logo">FlyAway</a>
  <div class="header-right">
    <a class="active" href="welcome.jsp">Back to Home</a>
  </div>
</div>
<br>
<h1>Add New Flight</h1>
<div style="border:2px solid black;margin:auto;width:30% ;border-radius:20px
;padding:20px "align="center">

<form action="InsertFlight" method= post>

<label for="flight_from">From :</label>
<input type="text" name="flight_from" id=from/>
<br><br>
<label for="flight_to">To :</label>
<input type="text" name="flight_to" id=to/>
<br><br>
<label for="name"> Name :</label>
<input type="text" name="name" id=name/>
<br><br>
<label for="time_of_flight">Time :</label>
<input type="text" name="time_of_flight" id=time placeholder="Format: 03:00 AM"/>
<br><br>
<label for="ticket_price">Price :</label>
<input type="text" name="ticket_price" id=price/>
<br><br>
<label for="date">Date :</label>
```

```html
<input type="text" name="date" id=departure placeholder="Format: dd-mm-yyyy"/>
<br><br>
<input type=submit value=Add>
<input type=reset value="Reset">
</form>

</div>
<%   String message=(String)session.getAttribute("message");
    if(message!=null){
%> <p style="color:blue;"><%=message%></p> <%
session.setAttribute("message",null);}
%>
</body>
</html>
```

File 11: AdminPage.jsp

```html
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Admin Page</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="header">
  <a class="logo">FlyAway</a>
  <div class="header-right">
    <a class="active" href="welcome.jsp">Back to Home</a>
  </div>
</div><br>
<h1>Admin Login</h1>
<div style="border:2px solid black;margin:auto;width:20% ;border-radius:20px
;padding:20px "align="center">
<form action="AdminLogin" method= post>
<label for=email>Email :-</label>
<input type="email" name=email id=email/>
<br><br>
<label for= pass>Password :-</label>
<input type="password" name= password id= pass/>
<br><br>
<input type=submit value=Login>
<input type=reset value=Reset></form>
```

```
</div>
<a href=ForgotPassword.jsp style="font-size:25;color:red ;">Forgot Password</a>
<% String message=(String)session.getAttribute("message");
    if(message!=null){
%>
<p style="color:blue;"><%=message%> </p>
<% session.setAttribute("message",null);} %>


</body>
</html>
```

File 12: BookFlight.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>FlyAway</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="header">
  <a class="logo">FlyAway</a>
  <div class="header-right">
    <a class="active" href="welcome.jsp">Back to Home</a>
  </div>
</div>
<a href=welcome.jsp style="color:black;text-decoration:none;font-size:35px ;font-
weight:bold ;">Flight Booking</a>
<br><br>
<%
@SuppressWarnings("unchecked")

 HashMap<String,String>
 user = (HashMap<String,String>) session.getAttribute("user");
 if(user==null){
 response.sendRedirect("UserPage.jsp");
 }
 %>
 <p align="center"style="color:green;margin:auto;font-size: 40px ;font-weight:bold ">Flight
Booked Successfully</p>
```

```
</body>
</html>
```

File 13: ForgotPassword.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>FlyAway</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="header">
  <a class="logo">FlyAway</a>
  <div class="header-right">
    <a class="active" href="welcome.jsp">Back to Home</a>
  </div>
</div>
<br>
<div style="border:3px solid black;margin:auto;width:25% ;border-radius:20px
;padding:20px "align="center">
<form action="ForgotPwd" method= post>
<label for=email>Email :-</label> <input type="email"name=email id=email/>
<br><br>
<label for= pass>New Password :-</label> <input type="password" name= password id=
pass/>
<br><br>
<input type=submit value="Change Password">
<input type=reset value="Reset">
</form>
</div>
</body>
</html>
```

File 14: ListofFlights.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
    <%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
```

```
<meta charset="ISO-8859-1">
<title>FLIGHT LIST</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="header">
  <a class="logo">FlyAway</a>
  <div class="header-right">
    <a class="active" href="welcome.jsp">Back to Home</a>
  </div>
</div>
<br>
<%
@SuppressWarnings("unchecked")
List<String[]> flights=(List<String[]>)session.getAttribute("flights");
if(flights!=null){
%>
<h1>Flights Available</h1>
 <table border="1" style="margin:auto;border:2px solid black;width:70% ;border-
radius:20px ;padding:20px">
<tr>
 <th>Name</th>
 <th>Time</th>
 <th>Price</th>
</tr>
<%
 for(String[] flight:flights){
 %>
<tr>
 <td><%=flight[0]%></td>
 <td><%=flight[1]%></td>
 <td><%=flight[2]%></td>
</tr>
</table>
  <a href=BookFlight.jsp >Book Now</a>
  <%
    }
  %>
  <%
    } else {
  %>

  <h1>No flights available right now.</h1>

  <%
    }
  %>
```

```
</body>
</html>
```

File 15: UserPage.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>FlyAway</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="header">
  <a class="logo">FlyAway</a>
  <div class="header-right">
    <a class="active">User</a>
    <a href="welcome.jsp">Back to Home</a>
    <a href="AdminPage.jsp">Login as Admin</a>
  </div>
</div>
<br>
<h2>User Login</h2>
<div style="border:2px solid black;width:25% ;margin:auto;border-radius:20px
;padding:20px "align="center">
<form action="UserLogin" method= post>
<table>
  <tr>
    <td><label for=email>Email</label><br></td>
    <td><input type="email" name=email id=email/></td>
  </tr>
  <tr>
    <td><label for= pass>Password</label><br></td>
    <td><input type="password" name= password id= pass/></td>
  </tr>
  <tr>
    <td><input type=submit value=Login></td>
    <td><input type=reset value=Reset></td>
  </tr>
</table>
</form>
 <br><i>New User-Create account</i><h4>
  <a href=UserRegistration.jsp style="font-size:25;color:seagreen ;">CreateAccount</a>
```

```
    </h4>
<% String message=(String)session.getAttribute("message");
   if(message!=null){
%>
<p style="color:blue;"><%=message%></p>
<%
   session.setAttribute("message",null);}
%>
</div>
</body>
</html>
```

File 16: UserRegistration.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>Register to FlyAway</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="header">
  <a class="logo">FlyAway</a>
  <div class="header-right">
    <a class="active" href="welcome.jsp">Back to Home</a>
  </div>
</div>
<br>
<br>
<div style="border:3px solid black;width:25% ;margin:auto;border-radius:20px
;padding:20px" align="center">
<form action="RegisterUser" method= post>
<label for=email>Email :-</label>
<input type="email" name=email id=email/><br><br>
<label for= pass>Password :-</label>
<input type="password" name= password id= pass/><br><br>
<label for=name>Name :-</label>
<input type="text" name=name id=name/><br><br>
<label for= phno>Phone No. :-</label>
<input type="text" name= phno id= phno/><br><br>
<label for=adno>Aadhaar No. :-</label>
<input type="text"name=adno id=adno/><br><br>
<input type=submit value=Register>
```

```
<input type=reset value=Reset>
</form>
</div>
</body>
</html>
```

File 17: welcome.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ page import="java.util.*" %>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Welcome to FlyAway</title>
<link rel="stylesheet" href="style.css">
</head>
<body>
<div class="header" class="center">
  <a class="logo">FlyAway</a>
  <div class="header-right">
    <a class="active" href="welcome.jsp">Home</a>
    <a href="UserPage.jsp">Login as User</a>
    <a href="AdminPage.jsp">Login as Admin</a>
  </div>
</div>
<%
@SuppressWarnings("unchecked")
HashMap<String,String>user=(HashMap<String,String>)session.getAttribute("user");
if(user!=null){
%>
<p>Welcome to FlyAway, <%=user.get("name")%>!</p>
<a href="Logout">Logout</a>
<%
 }
%>
<br><br>
<div style="border:2px solid black;width:30% ;border-radius:20px
;padding:20px;margin:auto;" align="center">
<form action="FlightsList" method= post>
<label for= from>From :</label> <input type=text name=from id=from placeholder="Hint:
Jaipur"/>
<br><br>
<label for=to>To :</label> <input type=text name=to id=to placeholder="Hint: Delhi"/>
<br><br>
```

```html
<label for=departure>Departure :</label> <input type="text" name=departure id=departure placeholder="Hint: 09-05-2022"/>
<br><br>
<label for=travellers>Number of Travellers :</label> <input type=number name=travellers id=travellers/>
<br><br>
<input type=submit value=Search>
<input type=reset value=Reset>
</form>
</div>
</body>
</html>
```

File 18: style.css

```css
@charset "ISO-8859-1";
/* Style the header with a grey background and some padding */
.header {
  overflow: hidden;
  background-color: #f1f1f1;
  padding: 20px 10px;
}

/* Style the header links */
.header a {
  float: left;
  color: black;
  text-align: center;
  padding: 12px;
  text-decoration: none;
  font-size: 18px;
  line-height: 25px;
  border-radius: 4px;
}

/* Style the logo link (notice that we set the same value of line-height and font-size to prevent the header to increase when the font gets bigger */
.header a.logo {
  font-size: 25px;
  font-weight: bold;
}

/* Change the background color on mouse-over */
.header a:hover {
  background-color: #ddd;
  color: black;
```

```css
}

/* Style the active/current link*/
.header a.active {
  background-color: rgb(0, 128, 128);
  color: white;
}

/* Float the link section to the right */
.header-right {
  float: right;
}

/* Add media queries for responsiveness - when the screen is 500px wide or less, stack the
links on top of each other */
@media screen and (max-width: 500px) {
  .header a {
    float: none;
    display: block;
    text-align: left;
  }
  .header-right {
    float: none;
  }
}

.center {
  margin: auto;
  width: 60%;
  border: 3px solid #73AD21;
  padding: 10px;
}

input[type=text], select {
  padding: 12px 20px;
  margin: 8px 0;
  display: inline-block;
  border: 1px solid #ccc;
  border-radius: 4px;
  box-sizing: border-box;
}

input[type=submit] {
  background-color: rgb(0, 128, 128);
  color: white;
  padding: 14px 20px;
  margin: 8px 0;
```

```css
  border: none;
  border-radius: 4px;
  cursor: pointer;
}

input[type=reset] {
  background-color: rgb(0, 128, 128);
  color: white;
  padding: 14px 20px;
  margin: 8px 0;
  border: none;
  border-radius: 4px;
  cursor: pointer;
}

input[type=submit]:hover {
  background-color: rgb(0, 128, 128);
}
input[type=reset]:hover {
  background-color: rgb(0, 128, 128);
}

div {
  border-radius: 5px;
  color: rgb(0, 128, 128);
  padding: 20px;
}
```

File 19: web.xml

```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_3_1.xsd" version="3.1">
  <display-name>FlyAway-phase2-project</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.htm</welcome-file>
    <welcome-file>default.jsp</welcome-file>
    <welcome-file>Welcome.jsp</welcome-file>
  </welcome-file-list>
</web-app>
```

File 20: pom.xml

```xml
<project xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>FlyAway-phase2-project</groupId>
  <artifactId>FlyAway-maven-webapp</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <packaging>war</packaging>
  <build>
   <plugins>
    <plugin>
     <artifactId>maven-compiler-plugin</artifactId>
     <version>3.8.1</version>
     <configuration>
       <source>1.8</source>
       <target>1.8</target>
     </configuration>
    </plugin>
    <plugin>
     <artifactId>maven-war-plugin</artifactId>
     <version>3.2.3</version>
    </plugin>
    <plugin>
   <groupId>org.eclipse.jetty</groupId>
   <artifactId>jetty-maven-plugin</artifactId>
   <version>9.2.6.v20141205</version>
</plugin>
   </plugins>
  </build>
  <dependencies>
   <dependency>
    <groupId>javax.servlet.jsp</groupId>
    <artifactId>javax.servlet.jsp-api</artifactId>
    <version>2.3.3</version>
    <scope>provided</scope>
   </dependency>
   <dependency>
   <groupId>commons-digester</groupId>
   <artifactId>commons-digester</artifactId>
   <version>2.1</version>
</dependency>
   <dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>javax.servlet-api</artifactId>
```

```xml
        <version>4.0.1</version>
        <scope>provided</scope>
      </dependency>
      <dependency>
       <groupId>mysql</groupId>
       <artifactId>mysql-connector-java</artifactId>
       <version>8.0.23</version>
      </dependency>
      <dependency>
         <groupId>javax.el</groupId>
         <artifactId>javax.el-api</artifactId>
         <version>3.0.0</version>
         <scope>provided</scope>
      </dependency>
      <dependency>
         <groupId>javax.websocket</groupId>
         <artifactId>javax.websocket-api</artifactId>
         <version>1.1</version>
         <scope>provided</scope>
      </dependency>
      <dependency>
         <groupId>javax.security.enterprise</groupId>
         <artifactId>javax.security.enterprise-api</artifactId>
         <version>1.0</version>
         <scope>provided</scope>
      </dependency>
      </dependencies>
    </project>
```