LOG IN:

```java
package servlets;

import javax.servlet.http.*;
import java.io.IOException;
import java.io.PrintWriter;

public class Login extends HttpServlet {
    public static boolean isLoggedIn = false;
    public static String password = "Admin";
    public static String email = "admin@flyaway.com";


    @Override
    public void doPost (HttpServletRequest req, HttpServletResponse resp) throws IOException {
        PrintWriter out = resp.getWriter();


        String email = req.getParameter("emailEntered");
        String pass = req.getParameter("passwordEntered");


        if (email.equals(Login.email) && pass.equals(Login.password)){
            isLoggedIn = true;
            out.println("You have LoggedIn");
            resp.sendRedirect("/admin-dashboard.jsp");
        }
        else {
            isLoggedIn = false;
            out.println("Login Failed : Incorrect email or Password");
        }
        out.close();
```

```java
    }
}



Change Password:

package servlets;


import javax.servlet.http.*;

import java.io.*;


public class ChangePassword extends HttpServlet {


    @Override
    protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws
IOException {
        PrintWriter out = resp.getWriter();
        String pass = req.getParameter("passwordEntered");
        if (!Login.isLoggedIn){
            out.println("You must login first");
        }
        else if (pass.equals("")){
            out.println("Password can't be empty");
        }
        else if (Login.isLoggedIn && !pass.equals("")){
            Login.password = pass;
            out.println("Password changed. New Password is "+Login.password);
        }
        else {
            out.println("Sorry, Something went wrong");
        }
```

```java
      out.close();
   }
}
package servlets;

import javax.servlet.http.*;
import java.io.*;

public class ChangePassword extends HttpServlet {

   @Override
   protected void doPost(HttpServletRequest req, HttpServletResponse resp) throws
IOException {
      PrintWriter out = resp.getWriter();
      String pass = req.getParameter("passwordEntered");
      if (!Login.isLoggedIn){
         out.println("You must login first");
      }
      else if (pass.equals("")){
         out.println("Password can't be empty");
      }
      else if (Login.isLoggedIn && !pass.equals("")){
         Login.password = pass;
         out.println("Password changed. New Password is "+Login.password);
      }
      else {
         out.println("Sorry, Something went wrong");
      }
      out.close();
   }
}
```

Context.mf:

```xml
<Context>

  <Resource name="jdbc_database"
                    auth="Container" type="javax.sql.DataSource"
        maxActive="20" maxIdle="5" maxWait="10000"
        username="root" password=""
        driverClassName="com.mysql.cj.jdbc.Driver"
        url="jdbc:mysql://localhost:3307/administrative-portal"/>

</Context>
```

```xml
<?xml version="1.0" encoding="UTF-8"?>
<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
http://maven.apache.org/xsd/maven-4.0.0.xsd">
   <modelVersion>4.0.0</modelVersion>

   <groupId>groupId</groupId>
   <artifactId>FlyAway</artifactId>
   <version>1.0-SNAPSHOT</version>

   <properties>
      <maven.compiler.source>11</maven.compiler.source>
      <maven.compiler.target>11</maven.compiler.target>
   </properties>

   <dependencies>
      <dependency>
         <groupId>org.apache.maven.plugins</groupId>
         <artifactId>maven-compiler-plugin</artifactId>
         <version>3.8.1</version>
      </dependency>
      <dependency>
         <groupId>mysql</groupId>
         <artifactId>mysql-connector-java</artifactId>
         <version>8.0.22</version>
      </dependency>
      <dependency>
         <groupId>org.hibernate</groupId>
         <artifactId>hibernate-core</artifactId>
         <version>5.4.21.Final</version>
      </dependency>
      <dependency>
         <groupId>jakarta.servlet</groupId>
         <artifactId>jakarta.servlet-api</artifactId>
         <version>5.0.0</version>
         <scope>provided</scope>
      </dependency>
```

```xml
    </dependencies>
</project>
```

Booking:

```java
package model;

public class Booking {
    // flight details
    public static String flight_booking_id;
    public static int ticket_price;
    public static String flight_name;

    // passenger details
    public static String passenger_name;
    public static String passenger_email;
    public static String passenger_phone;

    // payment details
    public static String name_on_card;
    public static String card_details;
}
```

Search flights:

```java
package model;

public abstract class Search {
    public static String date;
    public static String day;
    public static String source;
    public static String destination;
    public static int persons;

    public static String getQuery() {
        return "SELECT * FROM flight WHERE source = '"+source+"' AND destination='"+destination+"' AND days='"+day+"'";
    }
}
```

```java
package servlets;


import java.io.IOException;

import java.io.PrintWriter;

import java.time.*;

import javax.servlet.http.*;
```

```java
import model.Search;

public class SearchServlet extends HttpServlet {

    @Override
    public void service (HttpServletRequest req, HttpServletResponse resp) throws
IOException {
        Search.date = req.getParameter("date");
        Search.source = req.getParameter("source");
        Search.destination = req.getParameter("destination");
        Search.persons = Integer.parseInt(req.getParameter("persons"));

        if (Search.date.equals("")) {
            PrintWriter out = resp.getWriter();
            out.println("Please enter a valid date");
        }
        else {
            Search.day = getDay(Search.date);
            resp.sendRedirect("/search-results.jsp");
        }
    }

    public String getDay(String dateInp) {
        LocalDate dt = LocalDate.parse(dateInp);
        return dt.getDayOfWeek().toString();
    }
}
```