

FlyAway Source code

ADMIN LOGIN :

```
package com.flyaway.servlet;
import java.io.IOException;
import java.sql.SQLException;
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.database.DatabaseConnection;
@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 {
            DatabaseConnection dbc=new DatabaseConnection();
            if(dbc.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) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }
}
```

FLIGHT LIST:

```
package com.flyaway.servlet;
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.database.DatabaseConnection;
@WebServlet("/FlightList")
public class Flightlist 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 {
            DatabaseConection dbc = new DatabaseConnection();
            List<String[]>
            flights=dbc.getAvailableFlights(from, to, departure);
            HttpSession session=request.getSession();
            session.setAttribute("flights", flights);
        } catch (ClassNotFoundException | SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
        response.sendRedirect("FlightList.jsp");
    }
}

```

FORGOT PASSWORD:

```

package com.flyaway.servlet;
import javax.servlet.annotation.WebServlet;
import java.io.IOException;
import java.sql.SQLException;
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.database.DatabaseConnection;
@WebServlet("/ForgotPassword")
public class Forgotpassword 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 {
            DatabaseConnection dbc=new DatabaseConnection();
            HttpSession session=request.getSession();

```

```

if(dbc.changeAdminPassword(email,password)) {
    session.setAttribute("message", "Password Changed Successfully");
}
else {
    session.setAttribute("message", "Invalid Details");
}
} catch (ClassNotFoundException | SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
response.sendRedirect("AdminPage.jsp");
}
}

```

INSERT FLIGHT :

```

package com.flyaway.servlet;
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.database.DatabaseConnection;
@WebServlet("/InsertFlight")
public class InsertFlight extends HttpServlet {
    private static final long serialVersionUID = 1L;
    protected void doPost(HttpServletRequest request, HttpServletResponse
    response) throws ServletException, IOException {
        String name=request.getParameter("name");
        String from=request.getParameter("from");
        String to=request.getParameter("to");
        String departure=request.getParameter("departure");
        String time=request.getParameter("time");
        String price=request.getParameter("price");
        HashMap<String,String> flight=new
        HashMap<>();
        flight.put("name", name);
        flight.put("from", from);
        flight.put("to", to);
        flight.put("date", departure);
        flight.put("time", time);
        flight.put("price", price);
        try {
            DatabaseConnection dbc=new DatabaseConnection();
            HttpSession session=request.getSession();
            if(dbc.insertFlight(flight)) {

```

```

session.setAttribute("message", "Flight Added Successfully");
}
else {session.setAttribute("message", "Invalid Details");
}
} catch (ClassNotFoundException | SQLException e) {
// TODO Auto-generated catch block
System.out.print("error");
e.printStackTrace();
}
response.sendRedirect("AdminHome.jsp");
}
}

```

LOGOUT SERVLET :

```

package com.flyaway.servlet;
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("HomePage.jsp");
}
}

```

USER LOGIN :

```

package com.flyaway.servlet;
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.database.DatabaseConnection;
@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 {
DatabaseConnection dbc=new DatabaseConnection();
HashMap<String,String>
user=dbc.checkUser(email,password);
HttpSession session=request.getSession();
if(user!=null) {
session.setAttribute("user", user);
response.sendRedirect("HomePage.jsp");
}
else {
session.setAttribute("message", "Invalid Details");
response.sendRedirect("UserPage.jsp");
}
} catch (ClassNotFoundException | SQLException e) {
// TODO Auto-generated catch block
e.printStackTrace();
}
}
}
}

```

USER REGISTRATION :

```

package com.flyaway.servlet;
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.database.DatabaseConnection;
@WebServlet("/UserRegistration")
public class UserRegistration 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 {
DatabaseConnection dbc=new DatabaseConnetion();
boolean result=dbc.insertUser(user);
HttpSession session=request.getSession();
if(result) {
session.setAttribute("message", "User Added Successfully");
}
else {
session.setAttribute("message","Invalid Details");
}
} catch (ClassNotFoundException | SQLException e) {
// TODO Auto-generated catch block
e.printStackTrace();
}
response.sendRedirect("UserPage.jsp");
}
}

```

ADMIN HOME.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 Home</title>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text decoration:none ;font
size:35px;font weight:bold;">FlyAway</a>
<br><br>
<center>
<h1>Insert New Flight Details</h1>
<div style="border:3px solid black;width:25%;border
radius:20px;padding:20px" align="center">
<form action=InsertFlight method=post>
<label for=name>Name :-</label> <input
type="text" name=name id=name /><br><br>
<label for=from>From :-</label> <input
type="text" name=from id=from /><br><br>
<label for=to>To :-</label> <input type="text" name=to id=to /><br><br>

```

```

<label for=departure>Departure :-</label>
<input type="date" name=departure id=departure
/><br><br>
<label for=time>Time :-</label> <input
type="time" name=time id=time /><br><br>
<label for=price>Price :-</label> <input
type="text" name=price id=price /><br><br>
<input type=submit value=submit /> <input
type=reset /></form>
</div>
</center>
<%
String
message=(String)session.getAttribute("message");
if(message!=null){
%>
<p style="color:silver;"><%=message %></p>
<%
session.setAttribute("message", null);
}
%>
</body>
</html>

```

ADMIN PAGE.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 Page</title>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text decoration:none ;font-
size:35px;font weight:bold;">FlyAway</a><br><br>
<center>
<h2>Admin Login</h2>
<div style="border:3px solid black;width:25%;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=submit /> <input type=reset />
</form>

```

```

</div>
</center><br>
<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:silver;"><%=message %></p>
<%
session.setAttribute("message", null);
}
%>
</body>
</html>

```

BOOK FLIGHT.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>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text decoration:none ;font-
size:35px;font weight:bold;">FlyAway</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;font
size:40px;font-weight:bold">Flight Booked Successfully</p>
</body>
</html>

```

FLIGHT LIST.JSP:

```

<%@ page language="java" contentType="text/html;

```



```

charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<%@ page import="java.util.*" %>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Flight List</title>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text decoration:none;font-size:35px;font weight:bold;">FlyAway</a>
<br><br>
<% @SuppressWarnings("unchecked")
List<String[]>
flights=(List<String[]>)session.getAttribute("flights");
if(flights!=null){
%>
<h1>Available Flights</h1>
<center>
<table border="1">
<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>
</center>
<center><a href=BookFlight.jsp>Book Now</a>
</center>
<%
}
%>
<%
}
else{
%>
<h1>There are no available flights</h1>
<%
}
%>

```

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

FORGOT PASSWORD.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>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text decoration:none ;font-
size:35px;font weight:bold;">FlyAway</a>
<br><br>
<center>
<div style="border:3px solid black;width:25%;border
radius:20px;padding:20px" align="center">
<form action=ForgotPassword 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=submit /> <input
type=reset />
</form>
</div>
</center>
</body>
</html>
```

HOME PAGE.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>
</head>
<body >
<br>
```

```

<a href=HomePage.jsp style="color:black;text decoration:none ;font-size:35px;font weight:bold;">FlyAway</a>
<br><br>
<center>
<div style="border:3px solid
black;width:25%;border-radius:20px;padding:20px"
align="center">
<form action=ForgotPassword 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=submit /> <input
type=reset />
</form>
</div>
</center>
</body>
</html>

```

USER PAGE.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>
</head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text decoration:none ;font-size:35px;font weight:bold;">FlyAway</a>
<br><br>
<center>
<h2>User Login</h2>
<div style="border:2px solid
black;width:25%;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=submit /></td>
<td><input type=reset /></td>
</tr> </table>
</form>
</div>
</center>
<br><br>
<i>New User-Create account</i>
<h4><a href=UserRegistration.jsp style="font
size:25;color:red;">Create Account</a></h4>
<%
String
message=(String)session.getAttribute("message");
if(message!=null){
%>
<p style="color:silver;"><%=message %></p>
<%
session.setAttribute("message", null);
}
%>
</body>
</html>

```

USER REGISTRATION.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></head>
<body >
<br>
<a href=HomePage.jsp style="color:black;text decoration:none ;font-
size:35px;font weight:bold;">FlyAway</a>
<br><br>
<center>
<div style="border:3px solid
black;width:25%;border-radius:20px;padding:20px" align="center">
<form action=UserRegistration 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=submit /> <input
type=reset />
</form>
</div>
</center>
</body>
</html>

```

Database DatabaseConnection:

```

package com.database;
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 org.simplilearn.workshop.util.StringUtil.StringUtil ;
public class DatabaseConnection {
    public Connection con=null;
    public Statement st=null;
    public DatabaseConnection() throws ClassNotFoundException,
    SQLException{
        Class.forName("com.mysql.cj.jdbc.Driver");
        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/flyaway","root","");
        System.out.println("connection established with database");
        st=con.createStatement();
    }
    public List<String[]> getAvailableFlights(String f, String t, String d)
    {
        List<String[]> flights=new ArrayList<>();
        String query="SELECT * FROM flyaway.flights
        where fromf='"+f+"' and tof='"+t+"' and datef='"+d+"'";
        try {
            ResultSet rs=st.executeQuery(query);
            if(rs.next()) {
                String[] flight=new String[3];
                flight[0]=rs.getString("name");
                flight[1]=rs.getString("timef");
                flight[2]=rs.getString("price");
                flights.add(flight);
            }
            return flights;
        }
    }
}

```

```

}
} catch (SQLException e) {
e.printStackTrace();
}
return null;
}
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("passwor
d")+"', '"+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 {
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 {
//PreparedStatement
stm=con.prepareStatement("INSERT INTO
'flyaway.flights' ('name', 'from', 'to', 'date',
'time', 'price') values(?,?,?,?,?,?)");
//String sql="INSERT INTO flights
('name','from','to','date','time','price')
values('"+flight.get("name")+"','"+flight.get("from")
+")+'"+flight.get("to")+'','"+flight.get("date")+
"', '"+flight.get("time")+'','"+flight.get("price")+
"'");";
String query1 = "INSERT INTO flights (name,
fromf, tof, datef, timef, price) VALUES" + " ('"
+
StringUtil.fixSqlFieldValue(flight.get("name")) + "'," + " '" +
StringUtil.fixSqlFieldValue(flight.get("from")) +
"',," + " '"
+
StringUtil.fixSqlFieldValue(flight.get("to")) +
"',," + " '" +
StringUtil.fixSqlFieldValue(flight.get("date")) +
"',," + " '"
+
StringUtil.fixSqlFieldValue(flight.get("time")) +
"',," + " '" +
StringUtil.fixSqlFieldValue(flight.get("price")) +
"')";
//String sql="INSERT INTO `flyaway`.`flights`

```

```
(`name`, `fromf`, `tof`, `datef`, `timef`, `price`)
VALUES ('indigo', 'hyd', 'viz', '2021-04-08',
'10:00', '2000');"
System.out.println(flight.get("date"));
System.out.println(flight.get("time"));
//String query1="INSERT into flyaway.flights
(name,from,to,date,time,price)
values('indigo','hyd','viz','24-02-
2022','10:30','2000')";
try {
//stm.execute();
st.execute(query1);
return true;
} catch (SQLException e) {
System.out.print("error");
e.printStackTrace();
}
return false;
}
}
```