

ADMIN LOGIN SERVLET

```
package com.hari.training;

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.DAO;

@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 {
            DAO dao=new DAO();

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

}

}

```

FLIGHT LIST SAERVLET

```

package com.hari.training;

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.DAO;

@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 {
            DAO dao = new DAO();
            List<String[]>
flights=dao.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 SERVLET

```
package com.hari.training;

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.DAO;
@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 {
            DAO dao=new DAO();
            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) {
    // TODO Auto-generated catch block
    e.printStackTrace();
}
response.sendRedirect("AdminPage.jsp");

}

}

```

INSERT FLIGHT SERVLET

```

package com.hari.training;

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.DAO;

```

```

@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 {
            DAO dao=new DAO();
            HttpSession
session=request.getSession();
            if(dao.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");

}

}

```

LOG OUT SERVLET

```

package com.hari.training;

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 SERVLET

```

package com.hari.training;

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

```



```

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

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

    try {
        DAO dao=new DAO();
        HashMap<String,String>
user=dao.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 SERVLET

```
package com.hari.training;

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.DAO;

@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 {
            DAO dao=new DAO();
            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) {
            // 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("fligh
ts");
    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 DAO

```
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 DAO {
    public Connection con=null;
    public Statement st=null;

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

        con=DriverManager.getConnection("jdbc:mysql://localhost:3306/flyaway","root","usha");
        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("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 {
        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;
}
}

```

