**Validation of User Login**

**Name: Poorvi R**

**Emp\_ID: 2500928**

**Html code:**

**Index.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Login</title>

</head>

<body>

<h1>User Login</h1>

<form action=*"LoginServlet"* method=*"get"*>

<label>emailId</label>

<input type=*"email"* name=*"emailId"*/><br/>

<label>Password</label>

<input type=*"password"* name=*"password"*/><br/>

<input type=*"submit"* value=*"Submit"*/>

<input type=*"reset"* value=*"Reset"*>

</form><br/>

</body>

</html>

**dashboard.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Dashboard</title>

</head>

<body>

<a href=*"LogoutServlet"*>Logout</a>

</body>

</html>

**Servlet program:**

**LoginServlet.java**

**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;

/\*\*

\* Servlet implementation class LoginServlet

\*/

@WebServlet("/LoginServlet")

**public** **class** LoginServlet **extends** HttpServlet {

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

/\*\*

\* Default constructor.

\*/

**public** LoginServlet() {

// **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.setContentType("text/html");

String emailId = request.getParameter("emailId");

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

PrintWriter pw= response.getWriter();

RequestDispatcher rd1 = request.getRequestDispatcher("Dashboard");// target is servlet page

RequestDispatcher rd2 = request.getRequestDispatcher("index.html"); //target page is index page

**try** {

**if**(emailId.equals("raj@gmail.com") && password.equals("123")) {

pw.println("Successfully login");

rd1.forward(request, response); //we can see output of only target page

}**else** {

pw.println("Failure try once again");

rd2.include(request, response); //we can see error page+ index page as output

}

}**catch**(Exception e){

pw.println(e);

}

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

**Dashboard.java**

**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;

/\*\*

\* Servlet implementation class Dashboard

\*/

@WebServlet("/Dashboard")

**public** **class** Dashboard **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Dashboard() {

**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.setContentType("text/html");

PrintWriter pw= response.getWriter();

pw.println("Welcome to Dashboard page");

RequestDispatcher rd = request.getRequestDispatcher("dashboard.html");

rd.include(request, response);

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

**LogoutServlet.java**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**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 LogoutServlet

\*/

@WebServlet("/LogoutServlet")

**public** **class** LogoutServlet **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** LogoutServlet() {

**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

HttpSession session=request.getSession();

session.invalidate();

PrintWriter out = response.getWriter();

out.println("<html><body>");

out.println("Logged out<br>");

out.println("</body></html>");

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

**Web.xml**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app>

<display-name>SimpleWebAp</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<description></description>

<display-name>LoginServlet</display-name>

<servlet-name>LoginServlet</servlet-name>

<servlet-class>LoginServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>LoginServlet</servlet-name>

<url-pattern>/LoginServlet</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>Dashboard</display-name>

<servlet-name>Dashboard</servlet-name>

<servlet-class>Dashboard</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Dashboard</servlet-name>

<url-pattern>/Dashboard</url-pattern>

</servlet-mapping>

<servlet>

<description></description>

<display-name>LogoutServlet</display-name>

<servlet-name>LogoutServlet</servlet-name>

<servlet-class>LogoutServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>LogoutServlet</servlet-name>

<url-pattern>/LogoutServlet</url-pattern>

</servlet-mapping>

</web-app>