**Phase 2: Practice Project: Assisted Practice: 1**

**Question: 10**

**Write a program to demonstrate Session Login and Logout.**

**Source Code:**

**Index.html**

<!DOCTYPE html>

<html>

<head>

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

<title>User Validation</title>

</head>

<body>

<h2>User Login application</h2>

<form action=*"Login"* method=*"post"*>

UserName:<input type=*"text"* name=*"txtUname"*><br>

Password:<input type =*"password"* name=*"txtPassword"*><br>

<input type=*"Submit"* value=*"Login"*><br>

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

</form>

</body>

</html>

**Login.java**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.RequestDispatcher;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** javax.servlet.http.HttpSession;

**public** **class** Login **extends** HttpServlet {

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

**public** Login() {

**super**();

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

String uname = request.getParameter("txtUname");

String pword = request.getParameter("txtPassword");

PrintWriter out = response.getWriter();

**if** (uname.equalsIgnoreCase("admin") && pword.equals("admin12")) {

out.println("You are Welcomed");

} **else** {

out.println("<font color='red'>Invalid username or Password...</font>");

RequestDispatcher dispatcher = request.getRequestDispatcher("index.html");

dispatcher.include(request, response);

}

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

String uname = request.getParameter("txtUname");

String pword = request.getParameter("txtPassword");

PrintWriter out = response.getWriter();

RequestDispatcher rd;

**if** (uname.equalsIgnoreCase("admin") && pword.equals("admin12")) {

HttpSession session = request.getSession(**true**);

session.setAttribute("username", uname);

out.println("You are Welcomed");

rd = request.getRequestDispatcher("Welcome");

rd.forward(request, response);

} **else** {

out.println("<font color='red'>Invalid username or Password...</font>");

RequestDispatcher dispatcher = request.getRequestDispatcher("index.html");

dispatcher.include(request, response);

}

}

}

**Dashboard.java**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** javax.servlet.ServletException;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** javax.servlet.http.HttpSession;

**public** **class** Welcome **extends** HttpServlet {

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

**public** Welcome() {

**super**();

}

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

response.getWriter().append("Served at: ").append(request.getContextPath());

}

**protected** **void** doPost(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

PrintWriter out = response.getWriter();

HttpSession session = request.getSession();

String uname = (String) session.getAttribute("username");

out.println(

"<h2>Welcome User " + uname + " you have successfully logged into the application</h2>");

out.println();

out.println("<a href='Logout'>Logout</a>");

}

}

**Logout.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;

//@WebServlet("/logout")

**public** **class** Logout **extends** HttpServlet {

**protected** **void** doGet(HttpServletRequest request, HttpServletResponse response)

**throws** ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

request.getSession().invalidate();

out.println("<h2>You are now logged out...<br>");

out.println();

out.println("<a href='index.html'>Login again</a>");

}

}

**Output:**









