**Validation of the User Login**

DESCRIPTION

Project objective:

Create a servlet-based web application that shows a login page and validates it. The correct values are hard-coded. On successful login, a dashboard page is shown. The dashboard will provide a link for logging out. Incorrect logins need to be handled by showing an error message page.

Background of the problem statement:

As a part of developing an e-commerce web application, you have to prototype a login scenario for the user. There is no database involved here, so you have to use fixed values for login email id and password.

You must use the following:

* Eclipse as the IDE
* Apache Tomcat as the web server
* HTML pages for the front end
* Servlets for backend processing

Following requirements should be met:

* Show a login form in HTML
* Handle invalid logins and show appropriate error messages using servlets
* Show the dashboard page using servlets
* Handle logouts using servlets
* Document the step-by-step process involved in completing this task.

**SOURCE CODE**

**DashBoard.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;

@WebServlet("/dashboard")

public class Dashboard extends HttpServlet {

private static final long serialVersionUID = 1L;

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

response.setContentType("text/html");

PrintWriter out = response.getWriter();

HttpSession session = request.getSession();

if(session.getAttribute("userName") != null && (session.getAttribute("userPass") != null)) {

out.println("<h2> Welcome " + session.getAttribute("userName"));

out.println("<br /> You are now Logged in </h2>");

out.println("<h3><a href = 'logout'>Logout</a></h3>");

}

else {

response.sendRedirect("Index.html");

}

}

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

doGet(request, response);

}

}

**Index.html**:-

<!DOCTYPE html>

<html>

<head>

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

<title>Validate User Login</title>

</head>

<body>

<h1 style = "text-align: center;">User Login</h1>

<hr />

<form action = "login">

<fieldset>

<legend>User Login Page</legend>

<label>User Name:</label><br />

<input type = "text" name = "userName" placeholder = "Enter User Name" /><br /><br />

<label>Password:</label><br />

<input type = "Password" name = "userPass" placeholder = "Enter User Password" /><br /><br />

<input type = "submit" value = "Login" />

</fieldset>

</form>

</body>

</html>