Validation of the User Login

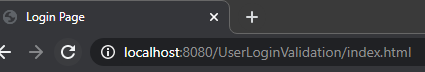
The web application starts off with a user being presented a login page. The user fills out the form and submits. The action will direct the form to a Login Servlet. The Login Servlet will initialize a session and then set the attribute to the userName sent via the userName parameter from the login form, if the supplied userName and password match the hard coded values.

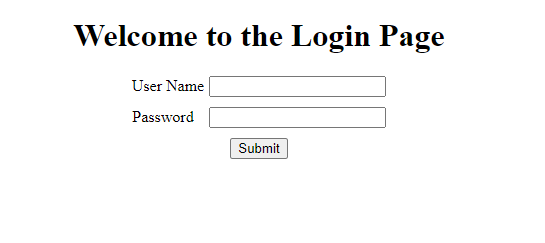
Upon a match, the user will be redirected to the Dashboard page. The Dashboard will retrieve the userName from the session and greet the user with Welcome and the name retrieved from the session. If the user chooses to Logout here, the Logout servlet will invalidate the session, and redirect the user back to the login page.

On the other hand, if there is no match in the Login servlet, the user will be redirected to an error page, with a message that the login was unsuccessful. The user can then try to re-enter their credentials to be logged in correctly.

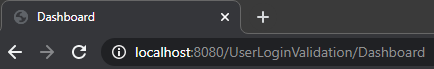
# Screenshots

The application begins with the login screen.





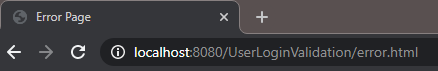
Upon succesful login the page will be directed to the Dashboard page.

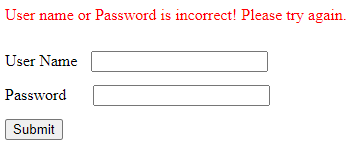




Clicking the Logout button will invalidate the session and take you back to login page displayed above.

If the user enters incorrect details, the user will be re-directed to an error page where they can try again.





# Source Code

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| <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Login Page</title>  </head>  <body>  <div style="text-align:*center*">  <div>  <h1>Welcome to the Login Page</h1>  </div>  <div>  <form action=*"Login"* method=*"post"*>  User Name<input style="margin-left: *5px*" type=*"text"* name=*"userName"*><br>  Password<input style="margin-left: *15px*; margin-top: *10px*"  type=*"password"* name=*"password"*><br> <input  type=*"submit"* style="margin-top: *10px*" value=*"Submit"*>  </form>  </div>  </div>  </body>  </html> |

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| **package** com.servlets;  **import** java.io.IOException;  **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;  @SuppressWarnings("serial")  @WebServlet("/Login")  **public** **class** Login **extends** HttpServlet {    **protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {    HttpSession session = request.getSession(**true**);    String userName = request.getParameter("userName");  String password = request.getParameter("password");    **if** (userName != **null** && userName.equals("altaf") && password.equals("1234")) {  session.setAttribute("userName", userName);  response.sendRedirect("Dashboard");  } **else** {  response.sendRedirect("error.html");  }      }  **protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {  // **TODO** Auto-generated method stub  doGet(request, response);  }  } |

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| **package** com.servlets;  **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;  @SuppressWarnings("serial")  @WebServlet("/Dashboard")  **public** **class** Dashboard **extends** HttpServlet {  **protected** **void** doGet(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {    HttpSession session = request.getSession();  String userName = (String) session.getAttribute("userName");    PrintWriter out = response.getWriter();    out.println("<html>");  out.println("<head><title>Dashboard</title><body>");  out.println("<nav>"  + "<button><a style=\"text-decoration:none\"href=Logout>Logout</a></button>"  + "</nav>");  out.println("<h1>Welcome " + userName+ " </h1>");  out.println("</body></html>");  }  **protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {  // **TODO** Auto-generated method stub  doGet(request, response);  }  } |

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| --- |
| **package** com.servlets;  **import** java.io.IOException;  **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("/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();  System.***out***.println(session + " ");    session.removeAttribute("userName");    session.invalidate();    response.sendRedirect("index.html");      }    **protected** **void** doPost(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {    doGet(request, response);  }  } |

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| <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Error Page</title>  </head>  <body>  <div style="margin-bottom: *20pt*">  <p style="color: *red*">User name or Password is incorrect! Please try again.</p>  </div>  <div>  <form action=*"Login"* method=*"post"*>  User Name<input style="margin-left: *10pt*" type=*"text"* name=*"userName"*><br>  Password<input style="margin-left: *20pt*; margin-top: *10pt*" type=*"password"* name=*"password"*><br>  <input type=*"submit"* style="margin-top: *10pt*" value=*"Submit"*>  </form>  </div>  </body>  </html> |

The GitHub link for the project is <https://github.com/altafmquadri/UserLoginValidation-java>