# Laboratory 6

Title of the Laboratory Exercise: To implement Server side web component (Servlet) to handle client request

1. Introduction and Purpose of Experiment

Students will learn to implement servlet to handle client submitted request

2. Aim and Objectives

Aim

Objectives

1. Experimental Procedure
2. Calculations/Computations/Algorithms

LoginServlet.jsp

package webarch.servlets;

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.\*;

import javax.servlet.http.\*;

public class LoginServlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        RequestDispatcher rd = request.getRequestDispatcher("login.jsp");

        rd.include(request, response);

    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

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

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

        response.setContentType("text/html");

        PrintWriter pw = response.getWriter();

        pw.println("<script *type*=\"text/javascript\">");

        pw.println("alert('Entered Values: username [ "+username+ " ], password [ "+password+" ] ');");

        pw.println("</script>");

        // if login success then redirect to projects page

        // RequestDispatcher rd = request.getRequestDispatcher("projects.jsp");

        RequestDispatcher rd = request.getRequestDispatcher("login.jsp");

        rd.include(request, response);

    }

}

RegisterServlet

package webarch.servlets;

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.\*;

import javax.servlet.http.\*;

public class RegisterServlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

        RequestDispatcher rd = request.getRequestDispatcher("register.jsp");

        rd.include(request, response);

    }

    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {

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

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

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

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

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

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

        response.setContentType("text/html");

        PrintWriter pw = response.getWriter();

        pw.println("<script *type*=\"text/javascript\">");

        pw.println("alert('Entered Values: username [ "+username+ "], password [ "+password+"], fullname ["+fullname+"], usnno ["+usnno+"], dept ["+dept+"], course ["+course+"] ');");

        pw.println("</script>");

        // if register success then send to login page

        // RequestDispatcher rd = request.getRequestDispatcher("login.jsp");

        RequestDispatcher rd = request.getRequestDispatcher("register.jsp");

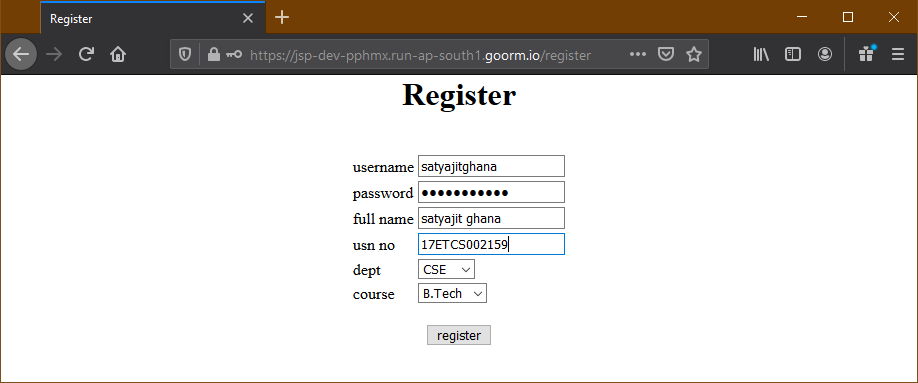
        rd.include(request, response);

    }

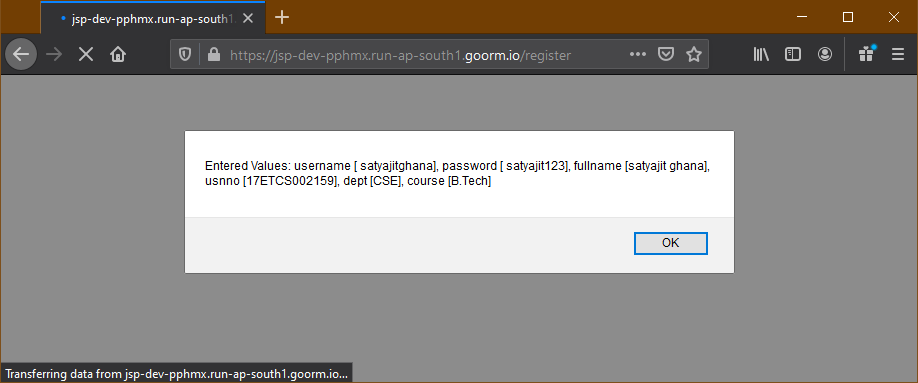
}

1. Presentation of Results

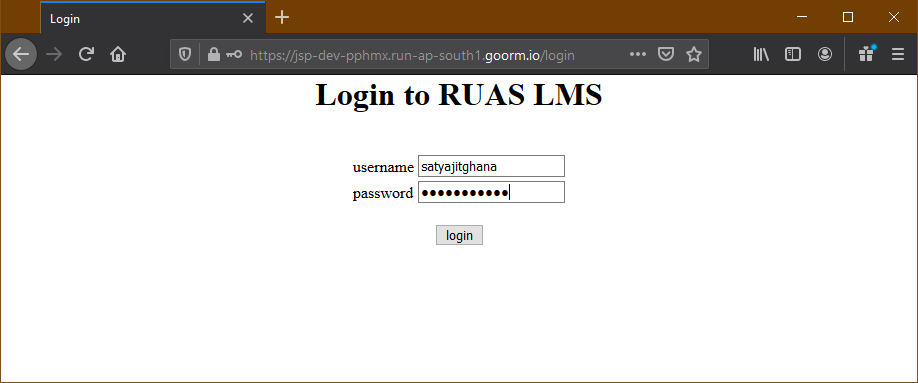
Filling up the Register Form



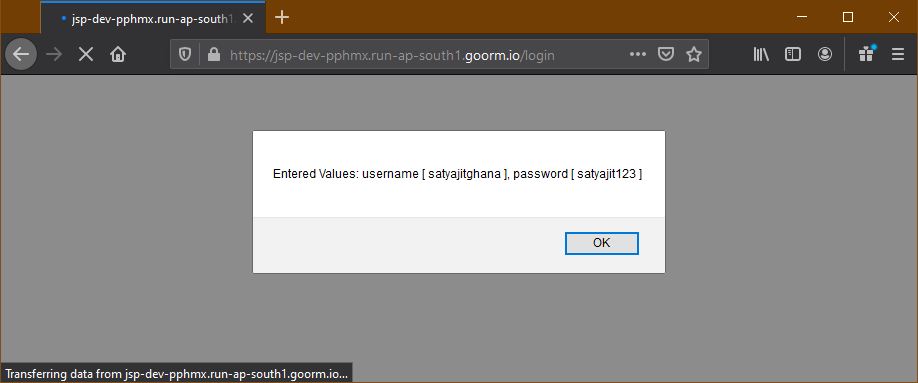
Entered details



Filling up the Login Form



Entered Details



1. Analysis and Discussions
2. Conclusions
3. Comments

a. Limitations of Experiments

b. Limitations of Results

c. Learning happened

d. Recommendations

|  |  |  |
| --- | --- | --- |
| **Component** | **Max Marks** | **Marks Obtained** |
| **Viva** | **6** |  |
| **Results** | **7** |  |
| **Documentation** | **7** |  |
| **Total** | **20** |  |