# Laboratory 8

Title of the Laboratory Exercise: Client Side validation using JavaScript

1. Introduction and Purpose of Experiment

Students will learn to implement Client Side validation using JavaScript for all the functional requirements identified.

2. Aim and Objectives

Aim

Design and implement the Business Logic for the given scenario using JAX-RS services.

3. Objectives

4. Experimental Procedure

5. Calculations/Computations/Algorithms

register.jsp

<%@ page contentType = "text/html;charset=utf-8" %>

<html>

    <head>

    <title>Register</title>

    <script>

*function* validateForm() {

*var* username = document.regform.username.value;

*var* password = document.regform.password.value;

*var* fullname = document.regform.fullname.value;

*var* usnno    = document.regform.usnno.value;

*if* (username == "") {

                alert("username cannot be blank");

*return* *false*;

            } *else* *if* (password == "") {

                alert("password cannot be blank");

*return* *false*;

            } *else* *if* (fullname == "") {

                alert("fullname cannot be blank");

*return* *false*;

            } *else* *if* (usnno == "") {

                alert("usnno cannot be blank");

*return* *false*;

            } *else* *if* (password.length < 6) {

                alert("password must be at least 6 characters long");

*return* *false*;

            }

*return* *true*;

        }

    </script>

    </head>

    <body *style*="text-align:center; margin:auto">

        <h1>Register</h1>

        <br/>

        <center>

            <form align="center" *name*="regform" *action*="register" *method*="post" *onsubmit*="*return* validateForm();">

                <table>

                    <tr>

                        <td>username</td>

                        <td><input *type*="text" *name*="username" /></td>

                    </tr>

                    <tr>

                        <td>password</td>

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

                    </tr>

                    <tr>

                        <td>full name</td>

                        <td><input *type*="text" *name*="fullname" /></td>

                    </tr>

                    <tr>

                        <td>usn no</td>

                        <td><input *type*="text" *name*="usnno" /></td>

                    </tr>

                    <tr>

                        <td>dept</td>

                        <td>

                            <select *name*="dept">

                              <option *value*="CSE">CSE</option>

                              <option *value*="EEE">EEE</option>

                              <option *value*="ECE">ECE</option>

                              <option *value*="CIVIL">CIVIL</option>

                            </select>

                        </td>

                    </tr>

                    <tr>

                        <td>course</td>

                        <td>

                            <select *name*="course">

                              <option *value*="B.Tech">B.Tech</option>

                              <option *value*="M.Tech">M.Tech</option>

                            </select>

                        </td>

                    </tr>

                </table>

                <br/>

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

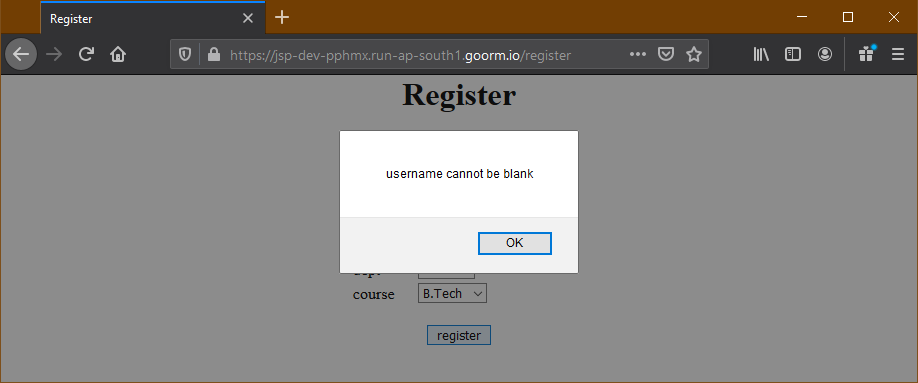
            </form>

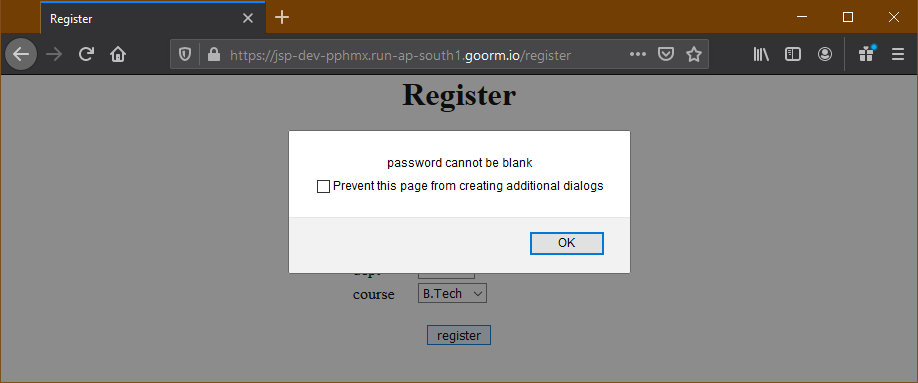
        </center>

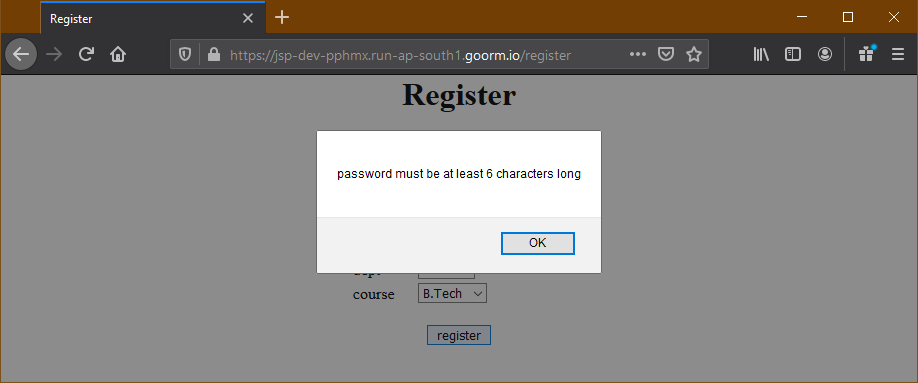
    </body>

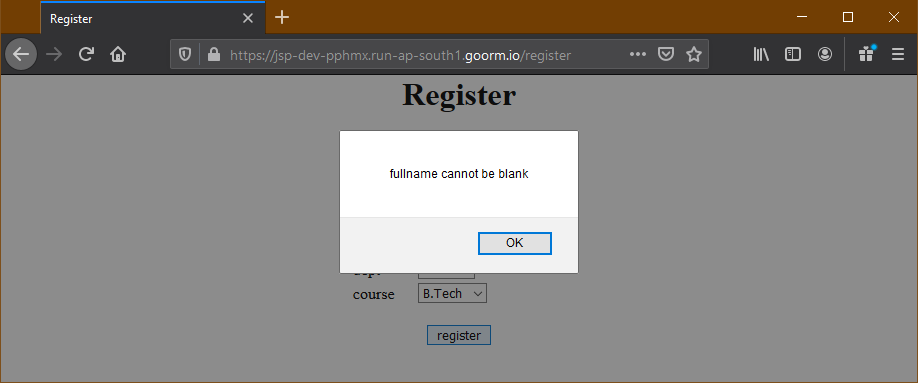
</html>

6. Presentation of Results









7. Analysis and Discussions

8. Conclusions

9. 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** |  |