



DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJ19IT405

DATE: 29/04/2023

COURSE NAME: Web Programming Laboratory

CLASS: SY IT

SAPID:60003210072

EXPERIMENT NO. 5

CO/LO: Develop web applications.

CODE:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
  </head>
  <style>
    .container {
      border: 2px solid black;
      width: 30%;
      align-items: center;
      text-align:center;
      padding: 3px;
      background-color: pink;
      display: inline-block;
    }
  </style>
  <body>
    <div class="container">
      <form onsubmit="validateForm()">
        <h2>Form Validation</h2>
        <label for="username">Username:</label>
        <input
          type="text"
          id="username"
          name="username"
          required
          minlength="7"
          maxlength="12"
        /><br /><br>
        <label for="password">Password:</label>
        <input
```

```
        type="password"
        id="password"
        name="password"
        required
        minlength="5"
        maxlength="10"
    /><br /><br>

    <label for="confirm-password">Confirm Password:</label>

    <input
        type="password"
        id="confirm-password"
        name="confirm-password"
        required
        minlength="5"
        maxlength="10"
    /><br /><br>

    <label for="first-name">First Name:</label>
    <input type="text" id="first-name" name="first- name" /><br /><br>

    <label for="last-name">Last Name:</label>
    <input type="text" id="last-name" name="last-name" /><br /><br>

    <label for="age">Age:</label>
    <input type="number" id="age" name="age" required min="23" /><br
/><br>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email" required /><br /><br>

    <label for="phone">Phone:</label>
    <input type="tel" id="phone" name="phone" required /><br /><br>

    <label for="fax">Fax:</label>
    <input type="tel" id="fax" name="fax" /><br /><br>

    <label for="dob">Date of Birth:</label>
    <input type="date" id="dob" name="dob" /><br /><br>

    <label for="website">Website:</label>
    <input type="url" id="website" name="website" /><br /><br>

    <label for="country">Country:</label>
    <select id="country" name="country">
        <option value="USA">USA</option>
        <option value="Canada">Canada</option>
```

```

        <option value="Mexico">India</option></select>
    ><br /><br />

    <label for="gender">Gender:</label>
    <label><input type="radio" name="gender" value="male" />Male</label>
    <label><input type="radio" name="gender" value="female"
/>Female</label>
    ><br /><br />

    <label for="disclaimer">Disclaimer:</label>
    <input
        type="checkbox"
        id="disclaimer"
        name="disclaimer"
        required
    /><br /><br />

    <input type="submit" value="Submit Form" />
</form>
</div>

<script type="text/javascript">
    function validateForm() {

        var username = document.getElementById("username").value;
        var password = document.getElementById("password").value;
        var confirmPassword = document.getElementById("confirm-password").value;
        var firstName = document.getElementById("first-name").value;
        var lastName = document.getElementById("last-name").value;
        var age = document.getElementById("age").value;
        var email = document.getElementById("email").value;
        var phone = document.getElementById("phone").value;
        var fax = document.getElementById("fax").value; var dob =
document.getElementById("dob").value; var website =
document.getElementById("website").value;
        var country = document.getElementById("country").value;
        var gender = document.querySelector('input[name="gender"]:checked');
        var disclaimer = document.getElementById("disclaimer");

        if (username.length < 7 || username.length >12 )
        {
            alert("Username must be between 7 and 12 characters.");
            return false;
        }

        if (password.length < 5 || password.length >10)
            alert("Password must be between 5 and 10 characters.");
    }

```

```

        return false;
    }

    if (password != confirmPassword) {
        alert("Passwords do not match.");
        return false;
    }

    if (isNaN(age) || age < 22) {
        alert("Age must be a number greater than 22.");

        return false;
    }

    if (!/\S+@\S+\.\S+/.test(email)) { alert("Email address is not valid.");
return false;
    }

    if (isNaN(phone)) {
        alert("Phone number must be numeric.");

        return false;
    }

    if (!disclaimer.checked) {
        alert("You must accept the disclaimer to submit the form.");
        return false;
    }
    alert("your data has been validated!!")
    return true;

</script>
</body>
</html>

```

OUTPUT:

Form Validation

Username:

Password:

Confirm Password:

First Name:


Last Name:

Age:


Email:

Phone:

Fax:

Date of Birth: 

Website:

Country: 

Gender: ☐ Male ☐ Female

Disclaimer: ☐

Form Validation

Username:

Password:

Confirm Password:

First Name:

Last Name:


Age:




Value must be greater than or equal to 23.

Phone:

Fax:

Date of Birth: 

Website:

Country: 

Gender: ☐ Male ☒ Female

Disclaimer: ☐

Form Validation

Username:

Password:

Confirm Password:

First Name:


Last Name:

Age:


Email:

Phone:

Fax:

Date of Birth: 

Website:

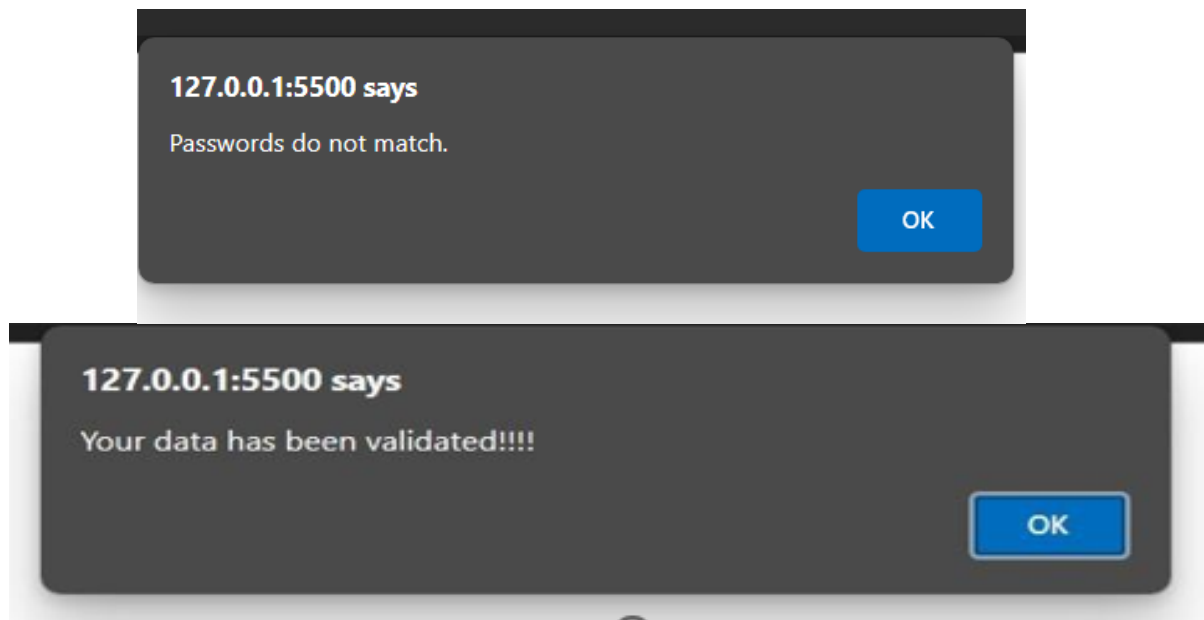
Country: 

Gender: ☐ Male ☒ Female

Disclaimer: ☐



Please check this box if you want to proceed.



CONCLUSION:

I have learnt how to create form elements and how to handle forms using javascript