

## WEEK 2 TASK : REGISTRATION FORM DEVELOPMENT

To design and build a web-based registration form that allows users to input their registration information. This project may appear simple, but it's a fundamental component of web development and offers a valuable learning opportunity.

**1. Form Structure: Design the structure of the registration form, which should include fields for user information such as name, email, username, password, and any additional details you choose.**

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>User Registration</title>

</head>

<body>

  <form action="/submit_registration" method="post">

    <label for="firstName">First Name:</label>

    <input type="text" id="firstName" name="firstName" required>

    <label for="lastName">Last Name:</label>

    <input type="text" id="lastName" name="lastName" required>

    <label for="email">Email:</label>

    <input type="email" id="email" name="email" required>

    <label for="username">Username:</label>

    <input type="text" id="username" name="username" required>

    <label for="password">Password:</label>
```

```

<input type="password" id="password" name="password" required>

<label for="confirmPassword">Confirm Password:</label>
<input type="password" id="confirmPassword" name="confirmPassword" required>

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

<label for="gender">Gender:</label>
<select id="gender" name="gender">
  <option value="male">Male</option>
  <option value="female">Female</option>
  <option value="other">Other</option>
</select>

<label for="country">Country:</label>
<input type="text" id="country" name="country">

<input type="checkbox" id="terms" name="terms" required>
<label for="terms">I agree to the terms and conditions</label>

<button type="submit">Register</button>
</form>
</body>
</html>

```

## 2. User Input Fields: Create input fields for users to enter their information, complete with labels and placeholders for clarity.

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">

```

```
<title>User Information Form</title>
<style>
  body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
  }

  form {
    background-color: #fff;
    padding: 20px;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
  }

  label {
    display: block;
    margin-bottom: 8px;
  }

  input {
    width: 100%;
    padding: 8px;
    margin-bottom: 16px;
    box-sizing: border-box;
    border: 1px solid #ccc;
    border-radius: 4px;
  }

  input:focus {
    outline: none;
    border-color: #007bff;
    box-shadow: 0 0 8px rgba(0, 123, 255, 0.6);
  }

  button {
    background-color: #007bff;
    color: #fff;
    padding: 10px 20px;
    border: none;
    border-radius: 4px;
  }
```

```

        cursor: pointer;
    }

    button:hover {
        background-color: #0056b3;
    }
</style>
</head>
<body>

    <form>
        <label for="firstName">First Name:</label>
        <input type="text" id="firstName" name="firstName" placeholder="Enter your
first name" required>

        <label for="lastName">Last Name:</label>
        <input type="text" id="lastName" name="lastName" placeholder="Enter your last
name" required>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" placeholder="Enter your email"
required>

        <button type="submit">Submit</button>
    </form>

</body>
</html>

```

### 3. Validation: Implement validation to ensure that users provide appropriate information, including email format validation and password strength requirements.

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>User Information Form with Validation</title>
    <style>
        /* Your CSS styles here */

        .error-message {
            color: red;
            font-size: 12px;
        }
    </style>
</head>

```

```

<body>

  <form onsubmit="return validateForm()">
    <label for="firstName">First Name:</label>
    <input type="text" id="firstName" name="firstName" placeholder="Enter your
first name" required>

    <label for="lastName">Last Name:</label>
    <input type="text" id="lastName" name="lastName" placeholder="Enter your last
name" required>

    <label for="email">Email:</label>
    <input type="email" id="email" name="email" placeholder="Enter your email"
required>
    <div id="emailError" class="error-message"></div>

    <label for="password">Password:</label>
    <input type="password" id="password" name="password" placeholder="Enter
your password" required>
    <div id="passwordError" class="error-message"></div>

    <button type="submit">Submit</button>
  </form>

  <script>
    function validateForm() {
      var email = document.getElementById('email').value;
      var password = document.getElementById('password').value;

      // Email validation
      var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
      if (!emailRegex.test(email)) {
        document.getElementById('emailError').innerText = 'Invalid email format';
        return false;
      } else {
        document.getElementById('emailError').innerText = "";
      }

      // Password strength requirements (example: at least 8 characters)
      if (password.length < 8) {
        document.getElementById('passwordError').innerText = 'Password must be at
least 8 characters long';
        return false;
      } else {
        document.getElementById('passwordError').innerText = "";
      }
    }
  </script>

```

```
// You can add more password strength requirements as needed

// If all validations pass, the form will be submitted
return true;
}
</script>

</body>
</html>
```

**4.Responsive Design: Ensure the registration form is responsive and functions well on various screen sizes, including mobile devices.**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Responsive Registration Form</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      padding: 0;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
    }

    form {
      background-color: #fff;
      padding: 20px;
      border-radius: 8px;
```

```
box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);  
width: 100%;  
max-width: 400px; /* Adjust as needed */  
}
```

```
label {  
  display: block;  
  margin-bottom: 8px;  
}
```

```
input {  
  width: 100%;  
  padding: 8px;  
  margin-bottom: 16px;  
  box-sizing: border-box;  
  border: 1px solid #ccc;  
  border-radius: 4px;  
}
```

```
input:focus {  
  outline: none;  
  border-color: #007bff;  
  box-shadow: 0 0 8px rgba(0, 123, 255, 0.6);  
}
```

```
button {  
  background-color: #007bff;  
  color: #fff;  
  padding: 10px 20px;  
  border: none;
```

```
border-radius: 4px;
cursor: pointer;
}

button:hover {
background-color: #0056b3;
}

/* Responsive styles */
@media only screen and (max-width: 600px) {
form {
max-width: none;
}
}
</style>
</head>
<body>

<form>
<label for="firstName">First Name:</label>
<input type="text" id="firstName" name="firstName" placeholder="Enter your first
name" required>

<label for="lastName">Last Name:</label>
<input type="text" id="lastName" name="lastName" placeholder="Enter your last
name" required>

<label for="email">Email:</label>
<input type="email" id="email" name="email" placeholder="Enter your email"
required>
```



```
<label for="password">Password:</label>

<input type="password" id="password" name="password" placeholder="Enter your
password" required>

<button type="submit">Submit</button>

</form>

</body>

</html>
```

### **5. Submission: Allow users to submit their registration information.**

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Registration Form</title>

  <style>

    /* Your existing CSS styles here */

  </style>

</head>

<body>

  <form onsubmit="submitForm(event)">

    <label for="firstName">First Name:</label>

    <input type="text" id="firstName" name="firstName" placeholder="Enter your first
name" required>

    <label for="lastName">Last Name:</label>

    <input type="text" id="lastName" name="lastName" placeholder="Enter your last
name" required>
```

```
<label for="email">Email:</label>

<input type="email" id="email" name="email" placeholder="Enter your email"
required>

<label for="password">Password:</label>

<input type="password" id="password" name="password" placeholder="Enter your
password" required>

<button type="submit">Submit</button>

</form>

<script>
function submitForm(event) {
    event.preventDefault(); // Prevents the form from submitting the traditional way

    // Get form values
    var firstName = document.getElementById('firstName').value;
    var lastName = document.getElementById('lastName').value;
    var email = document.getElementById('email').value;
    var password = document.getElementById('password').value;

    // You can send this data to your server using AJAX or fetch API
    // For this example, we'll log the data to the console
    console.log('Registration Data:', {
        firstName: firstName,
        lastName: lastName,
        email: email,
        password: password
    });

    // You can also redirect the user to another page after successful submission
```

```
        // window.location.href = 'success.html';
    }
</script>
```

```
</body>
```

```
</html>
```

## **6. Confirmation Page: Design a confirmation page or message to acknowledge successful registration.**

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
    <title>Registration Confirmation</title>
```

```
    <style>
```

```
        body {
```

```
            font-family: Arial, sans-serif;
```

```
            background-color: #f4f4f4;
```

```
            margin: 0;
```

```
            padding: 0;
```

```
            display: flex;
```

```
            justify-content: center;
```

```
            align-items: center;
```

```
            height: 100vh;
```

```
        }
```

```
        .confirmation-container {
```

```
            background-color: #fff;
```

```
            padding: 20px;
```

```
            border-radius: 8px;
```

```
            box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
```

```
text-align: center;
}
```

```
.success-message {
  color: #28a745;
  font-size: 24px;
  font-weight: bold;
  margin-bottom: 20px;
}
```

```
.redirect-message {
  color: #333;
  font-size: 16px;
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<div class="confirmation-container">
```

```
<div class="success-message">Registration Successful!</div>
```

```
<div class="redirect-message">Thank you for registering. You will now be redirected
to the homepage.</div>
```

```
<!-- You can add a timer or a link to redirect the user to another page -->
```

```
</div>
```

```
</body>
```

```
</html>
```