

Experiment 2

Problem: Create a basic yet visually appealing webpage for a user registration form using only HTML. The page should include essential elements such as input fields for name, email, and password. Implement a clean and straightforward design that is responsive to different screen sizes. Ensure proper labeling and organization of form elements, demonstrating a fundamental understanding of HTML structure and layout principles. The challenge lies in creating an aesthetically pleasing and user-friendly registration page without using external CSS or JavaScript

```
<!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>
  <link rel="stylesheet" href="style.css">
</head>
<body>

  <div class="container">
    <h2>Registration Form</h2>
    <form action="#" method="POST">
      <div class="form-group">
        <label for="first-name">First Name:</label>
        <input type="text" id="first-name" name="first-name" required
pattern="[A-Za-z]+" title="Only letters allowed">
      </div>

      <div class="form-group">
        <label for="last-name">Last Name:</label>
        <input type="text" id="last-name" name="last-name" required
pattern="[A-Za-z]+" title="Only letters allowed">
      </div>

      <div class="form-group">
        <label for="email">Email Address:</label>
        <input type="email" id="email" name="email" required>
      </div>

      <div class="form-group">
        <label for="password">Password:</label>
        <input type="password" id="password" name="password" required
minlength="6">
    </form>
  </div>
</body>
</html>
```

```

        </div>

        <div class="form-group">
            <label for="confirm-password">Confirm Password:</label>
            <input type="password" id="confirm-password" name="confirmpassword"
            required minlength="6">
        </div>

        <div class="form-group">
            <label for="dob">Date of Birth:</label>
            <input type="date" id="dob" name="dob" required>
        </div>

        <div class="form-group">
            <label>Gender:</label>
            <label><input type="radio" name="gender" value="male"
            required> Male</label>
            <label><input type="radio" name="gender" value="female">
            Female</label>
            <label><input type="radio" name="gender" value="other">
            Other</label>
        </div>

        <div class="form-group">
            <label for="country">Country:</label>
            <select id="country" name="country" required>
                <option value="">Select your country</option>
                <option value="India">India</option>
                <option value="USA">USA</option>
                <option value="UK">UK</option>
                <option value="Canada">Canada</option>
                <option value="Australia">Australia</option>
            </select>
        </div>

        <div class="form-group">
            <label for="profile-pic">Profile Picture:</label>
            <input type="file" id="profile-pic" name="profile-pic" accept="image/*"
            required>
        </div>

        <button type="submit" class="register-btn">Register</button>
    </form>
</div>

</body>
</html>

```

Css:

```

/* General Styles */ body {
font-family: Arial, sans-serif;
background-color: #f4f4f4;
display: flex;      justify-
content: center;    align-items:
center;      height: 100vh;
margin: 0;
}

/* Container */ .container {
background: #fff;      padding: 20px;
border-radius: 10px;    box-shadow: 0 0
10px rgba(0, 0, 0, 0.1);    width: 100%;
max-width: 400px;
}

/* Form Styles */ h2 {
text-align: center;
margin-bottom: 20px;
}

.form-group {      margin-
bottom: 15px;
}
label
{
    display: block;      font-
weight: bold;
} input, select {
width: 100%;      padding:
10px;      margin-top: 5px;
border: 1px solid #ccc;
border-radius: 5px;
}

/* Gender styling */ .form-
group label input {      width:
auto;

```

```

        margin-right: 5px;
    }

    /* Button */ .register-btn {
width: 100%;    background-
color: #28a745;    color:
white;    padding: 10px;
border: none;    border-
radius: 5px;    cursor:
pointer;
    }

.register-btn:hover {
    background-color: #218838;
}

/* Responsive Design */
@media (max-width: 500px) {
    .container {
width: 90%;
    }
}

```

Tags:

HTML Tags:

- `<!DOCTYPE html>`: Declares the document type as HTML5.
- `<html lang="en">`: Defines the root element with English as the language.
- `<head>`: Contains metadata and links.
- `<meta charset="UTF-8">`: Sets the character encoding to UTF-8.
- `<meta name="viewport" content="width=device-width, initial-scale=1.0">`: Ensures responsive design.
- `<title>Responsive Registration Form</title>`: Sets the page title.
- `<link rel="stylesheet" href="style.css">`: Links external CSS file.
- `<body>`: Contains all visible content.
- `<div class="container">`: A wrapper for form elements with styling.
- `<h2>Registration Form</h2>`: Heading for the form.
- `<form action="#" method="POST">`: Defines a form that submits via POST.
- `<div class="form-group">`: Groups form fields for styling.
- `<label>`: Describes form input fields.
- `<input type="text">`: Text input field for user input.
- `<input type="email">`: Email input field.

- `<input type="password">`: Password input field.
- `<input type="date">`: Date picker input.
- `<input type="radio">`: Radio button for gender selection.
- `<select>`: Dropdown list for selecting a country.
- `<option>`: Represents an item in a dropdown.
- `<input type="file">`: File upload input for profile pictures.
- `<button type="submit">`: Submission button.

CSS Selectors:

- `body`: Sets general styles for the page.
- `.container`: Styles the form container.
- `h2`: Centers and styles the heading.
- `.form-group`: Adds margin between form fields.
- `label`: Makes labels bold and block elements.
- `input, select`: Styles input fields and dropdowns.
- `.register-btn`: Styles the register button.
- `.register-btn:hover`: Changes button color on hover.
- `@media (max-width: 500px)`: Makes the form responsive for smaller screens.

Output :

Registration Form

First Name:

Suyash

Last Name:

Tambe

Email Address:

suyashtambe03@gmail.com

Password:

....

Confirm Password:

....

Date of Birth:

10 - 02 - 2004

Gender:

☒ Male

☐ Female

☐ Other

Country:

India

Profile Picture:

Choose file

IMG20241015093629.jpg

Register