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Batch:- AIML A1

FULL STACK LAB ASSIGNMENT-2

Objective of Experiment:

Create a fully responsive webpage for a registration form using HTML and CSS. The design should prioritize user experience on various devices and screen sizes. Additionally, implement form validation to ensure accurate user input.

Include fields for the following information:

- Full Name (First Name, Last Name)
- Email Address
- Password
- Confirm Password
- Date of Birth
- Gender (Radio buttons or dropdown)
- Country (Dropdown menu)
- Profile Picture Upload (Include a file input)

Apply appropriate input types and validation attributes in HTML.

Style form elements for a cohesive and user-friendly appearance.

Form Validation:

- Implement client-side validation using HTML5 validation attributes.
- Provide clear and concise error messages for incorrect user input.

Responsive Design:

Ensure the webpage is fully responsive for different devices (mobile, tablet, desktop).

TAGS USED:

- `<html>`: The root element of an HTML document that wraps all other elements.
- `<head>`: Contains meta-information about the HTML document, such as the title, metadata, and links to external resources like stylesheets and scripts.
- `<title>`: Sets the title of the HTML document, which appears in the browser's title bar or tab.
- `<style>`: Allows you to define CSS (Cascading Style Sheets) rules directly within the HTML document.
- `<body>`: Contains the content of the HTML document that will be displayed in the browser.
- `<form>`: Defines an HTML form for user input. It can contain various input elements like text fields, checkboxes, radio buttons, etc., and allows users to submit data to a server for processing.

- `<h1>`: Defines a top-level heading with the largest font size.
- `<label>`: Defines a label for an input element. It helps in associating a text description with form controls, making the form more accessible.
- `<input>`: Defines an input control that allows users to enter data. The type attribute specifies the type of input control (e.g., text, password, email, radio, file, etc.).
- `<select>`: Defines a dropdown list from which users can select one or more options.
- `<option>`: Defines an option in a dropdown list (`<select>` element).
- `<div>`: Defines a division or a section in an HTML document. It is commonly used for grouping and styling purposes.
- `<radio>`: Defines a radio button input control, which allows users to select one option from a group of options.
- `
`: Inserts a single line break.
- `<style>`: Allows you to define CSS rules directly within the HTML document for styling purposes.
- `<input type="submit">`: Defines a submit button for submitting the form data to the server.
- `<input type="file">`: Defines an input control for uploading files from the user's device.

SOURCE CODE:

```
<html>
<head>
  <title>Registration Form</title>
  <style>
    body{
      display: flex;
      align-items: center;
      justify-content: center;
      height: fit-content;
    }
    form{
      max-width: 600px;
      width: 100%;
      background-color: rgb(244, 247, 249);
      padding: 20px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.5);
      border-radius: 8px;

    }
    label{
      display: block;
      margin-top: 8px;
      font-weight: bold;
    }
    input,select{
      width: 100%;
      padding: 10px;
      border-radius: 4px;
      margin-top: 15px;
      border: 1px solid #ccc;
      box-sizing: border-box;
    }
    .group{
      display: flex;
      gap: 3px;
    }
    input[type="submit"]{
```

```

        background-color: green;
        color: white;
    }
    input[type="submit"]:hover{
        background-color: lightcoral;
        color: white;
    }
</style>
</head>
<body>
    <form>
        <h1 align="center">Registration Form</h1>
        <label>First Name</label>
        <input type="Text" name="f1"><br><br>
        <label>Last Name</label>
        <input type="Text" name="l1"><br><br>
        <label>Email</label>
        <input type="Text" email="e1"><br><br>
        <label>Password</label>
        <input type="password" id="password" name="pwd">
        <label>Confirm Password</label>
        <input type="password" name="pwd2">
        <label>Date of Birth</label>
        <input type="date" name="dob">
        <label>Gender</label>
        <div class="group">
            <label>Male</label>
            <input type="radio" name="gen1">
            <label>Female</label>
            <input type="radio" name="gen2">
            <label>Others</label>
            <input type="radio" name="gen3">
        </div>
        <label>Country</label>
        <select name="c1">
            <option>India</option>
            <option>UK</option>
            <option>USA</option>
            <option>South Africa</option>
        </select>
    </form>
</body>
</html>

```

```
<label>Picture Upload</label>  
<input type="file" name="pu">  
<input type="submit" value="Register">
```

```
</form>  
</body>  
</html>
```



Registration Form

First Name

Last Name

Email

Password

Confirm Password

Date of Birth

Gender

Male ☐ **Female** ☒ **Others** ☐

Country

Picture Upload

No file chosen