

EXP 1: Create a student registration form with HTML5 validation for name, email, and age inputs.

Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Student Registration Form</title>

  <!-- Tailwind CSS CDN -->

  <script src="https://cdn.tailwindcss.com"></script>

  <!-- Google Fonts: Inter -->

  <link rel="preconnect" href="https://fonts.googleapis.com">

  <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>

  <link
href="https://fonts.googleapis.com/css2?family=Inter:wght@400;500;600;700&display=swap" rel="stylesheet">

  <style>

    /* Custom styles can be added here if needed */

    body {

      font-family: 'Inter', sans-serif;

    }

    /* Style for browser validation pop-ups */

    input:invalid {

      border-color: #e53e3e; /* red-600 */

    }

    input:valid {

      border-color: #38a169; /* green-600 */

    }

  </style>

</head>

<body>

  <div class="flex flex-col items-center justify-center min-h-screen">

    <h1>Student Registration</h1>

    <div class="w-full">

      <div class="mb-4">

        <input type="text" value="Name" />

      </div>

      <div class="mb-4">

        <input type="email" value="Email" />

      </div>

      <div class="mb-4">

        <input type="text" value="Age" />

      </div>

      <div>

        <button type="button" value="Register" />

      </div>

    </div>

  </div>

</body>

</html>
```

```

</style>
</head>
<body class="bg-gray-100 flex items-center justify-center min-h-screen">

  <!-- Main container for the form -->

  <div class="w-full max-w-md p-8 space-y-6 bg-white rounded-xl shadow-lg">

    <h1 class="text-3xl font-bold text-center text-gray-800">Student Registration</h1>

    <p class="text-center text-gray-500">Please fill out the form below to register.</p>


    <!-- The novalidate attribute prevents the browser's default validation tooltips,
         but the :invalid and :valid pseudo-classes still work.

         Remove 'novalidate' if you want the default browser pop-ups. -->

    <form action="#" method="POST" class="space-y-6">

      <!-- Name Input -->

      <div>

        <label for="name" class="text-sm font-medium text-gray-700">Full Name</label>

        <input

          type="text"

          id="name"

          name="name"

          placeholder="e.g., Jane Doe"

          required

          class="mt-1 block w-full px-4 py-3 bg-gray-50 border border-gray-300 rounded-lg
shadow-sm placeholder-gray-400 focus:outline-none focus:ring-2 focus:ring-indigo-500
focus:border-indigo-500 transition duration-150 ease-in-out"

          >

        <p class="mt-1 text-xs text-red-500 hidden peer-invalid:block">

          Full name is required.

        </p>

      </div>

```

```
<!-- Email Input -->

<div>

  <label for="email" class="text-sm font-medium text-gray-700">Email
Address</label>

  <input
    type="email"
    id="email"
    name="email"
    placeholder="you@example.com"
    required

    class="mt-1 block w-full px-4 py-3 bg-gray-50 border border-gray-300 rounded-lg
shadow-sm placeholder-gray-400 focus:outline-none focus:ring-2 focus:ring-indigo-500
focus:border-indigo-500 transition duration-150 ease-in-out"

  >

  <p class="mt-1 text-xs text-red-500 hidden peer-invalid:block">

    Please provide a valid email address.

  </p>
</div>
```

```
<!-- Age Input -->

<div>

  <label for="age" class="text-sm font-medium text-gray-700">Age</label>

  <input
    type="number"
    id="age"
    name="age"
    placeholder="Enter your age"
    required
```

```
        min="16"
        max="100"

        class="mt-1 block w-full px-4 py-3 bg-gray-50 border border-gray-300 rounded-lg
shadow-sm placeholder-gray-400 focus:outline-none focus:ring-2 focus:ring-indigo-500
focus:border-indigo-500 transition duration-150 ease-in-out"

    >

    <p class="mt-1 text-xs text-red-500 hidden peer-invalid:block">

        Age must be between 16 and 100.

    </p>
</div>

<!-- Submit Button -->

<div>

    <button

        type="submit"

        class="w-full flex justify-center py-3 px-4 border border-transparent rounded-lg
shadow-sm text-sm font-medium text-white bg-indigo-600 hover:bg-indigo-700
focus:outline-none focus:ring-2 focus:ring-offset-2 focus:ring-indigo-500 transition duration-
150 ease-in-out"

    >

        Register

    </button>

</div>

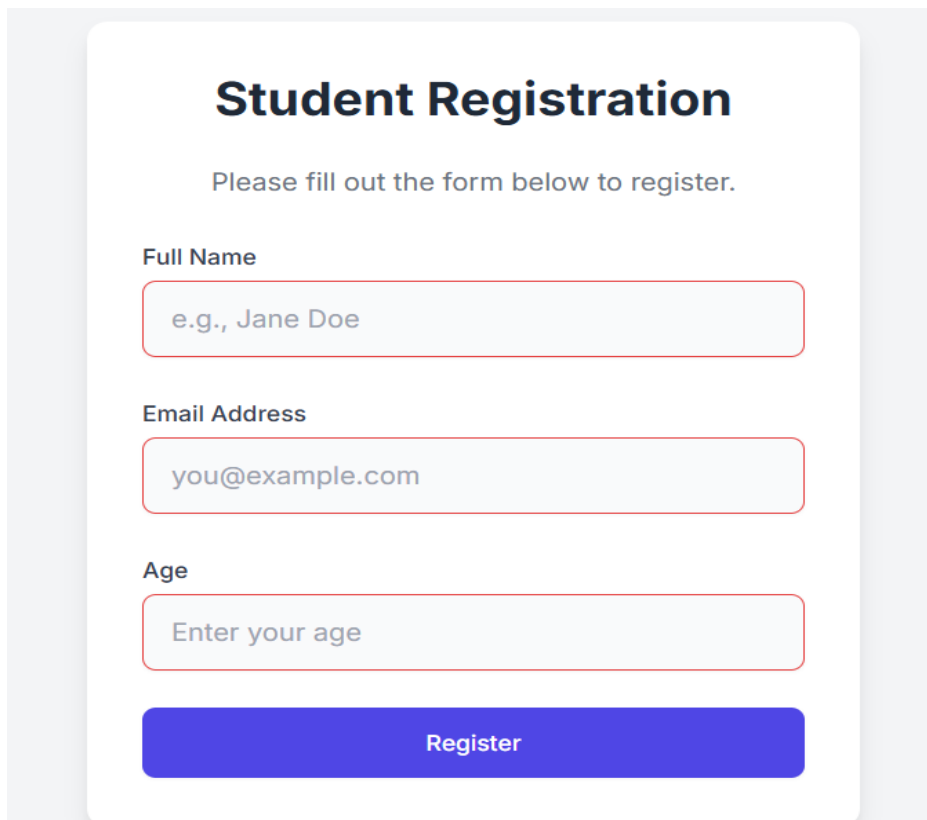
</form>

</div>

</body>

</html>
```

## OUTPUTS:



A student registration form with a white background and rounded corners, set against a light gray background. The form contains a title, a instruction, three input fields, and a submit button.

### Student Registration

Please fill out the form below to register.

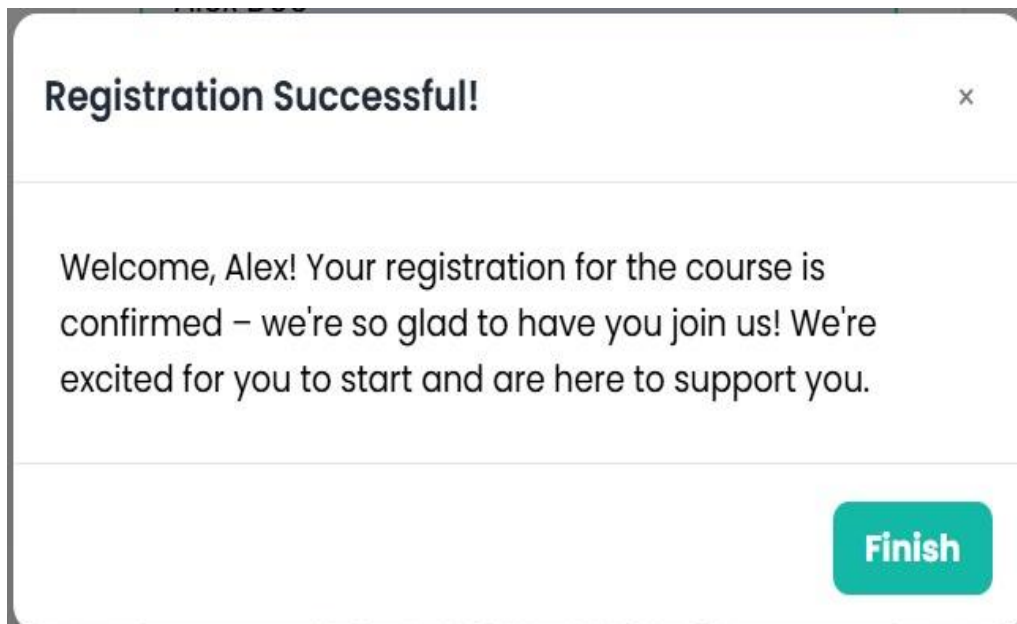
Full Name

Email Address

Age

Register

*Figure 1 Student Registration*



A confirmation modal with a white background and rounded corners, set against a dark gray background. It features a title bar with a close button, a message body, and a finish button.

### Registration Successful!

Welcome, Alex! Your registration for the course is confirmed – we're so glad to have you join us! We're excited for you to start and are here to support you.

Finish

*Figure 2 Registration Completed*