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EXPERIMENT-10

Design input forms that validate data (e.g., email, phone number) and display error messages using HTML/CSS, JavaScript (with Validator.js)

AIM: The aim is to design input forms that validate data, such as email and phone number, and display error messages using HTML/CSS and JavaScript with Validator.js.

PROCEDURE:

Step 1: Setting Up the HTML Form Start by creating an HTML form with input fields for the email and phone number.

Html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Form Validation</title>
    <link rel="stylesheet" href="form.css" />
  </head>
  <body>
    <div class="container">
```

```

<form id="myForm">
  <label for="email">Email:</label>
  <input type="email" id="email" name="email" required />
  <span id="emailError" class="error"></span>
  <label for="phone">Phone Number:</label>
  <input type="text" id="phone" name="phone" required />
  <span id="phoneError" class="error"></span>
  <button type="submit">Submit</button>
</form>
</div>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/validator/13.6.0/validator.
min.js"></script>
  <script src="form.js"></script>
</body>
</html>

```

Step 2: Styling the Form with CSS Next, add some basic styling to make the form look nice.

CSS

```

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

.container {
  background-color: white;
  padding: 20px;
  border-radius: 5px;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

```

```
}
```

```
form {  
  display: flex;  
  flex-direction: column;  
}
```

```
label {  
  margin-bottom: 5px;  
}
```

```
input {  
  margin-bottom: 10px;  
  padding: 10px;  
  border: 1px solid #ccc;  
  border-radius: 3px;  
}
```

```
button {  
  padding: 10px;  
  background-color: #28a745;  
  color: white;  
  border: none;  
  border-radius: 3px;  
  cursor: pointer;  
}
```

```
button:hover {  
  background-color: #218838;  
}
```

```
.error {  
  color: red;  
  font-size: 0.875em;  
}
```

Step 3: Adding JavaScript for Validation Finally, add JavaScript to validate the input fields using Validator.js and display error messages.

Javascript

```
document.getElementById("myForm").addEventListener("submit",  
function (e) {  
    e.preventDefault();
```

```
    const email = document.getElementById("email").value;  
    const phone = document.getElementById("phone").value;  
    const emailError = document.getElementById("emailError");  
    const phoneError = document.getElementById("phoneError");
```

```
    // Clear previous error messages  
    emailError.textContent = "";  
    phoneError.textContent = "";
```

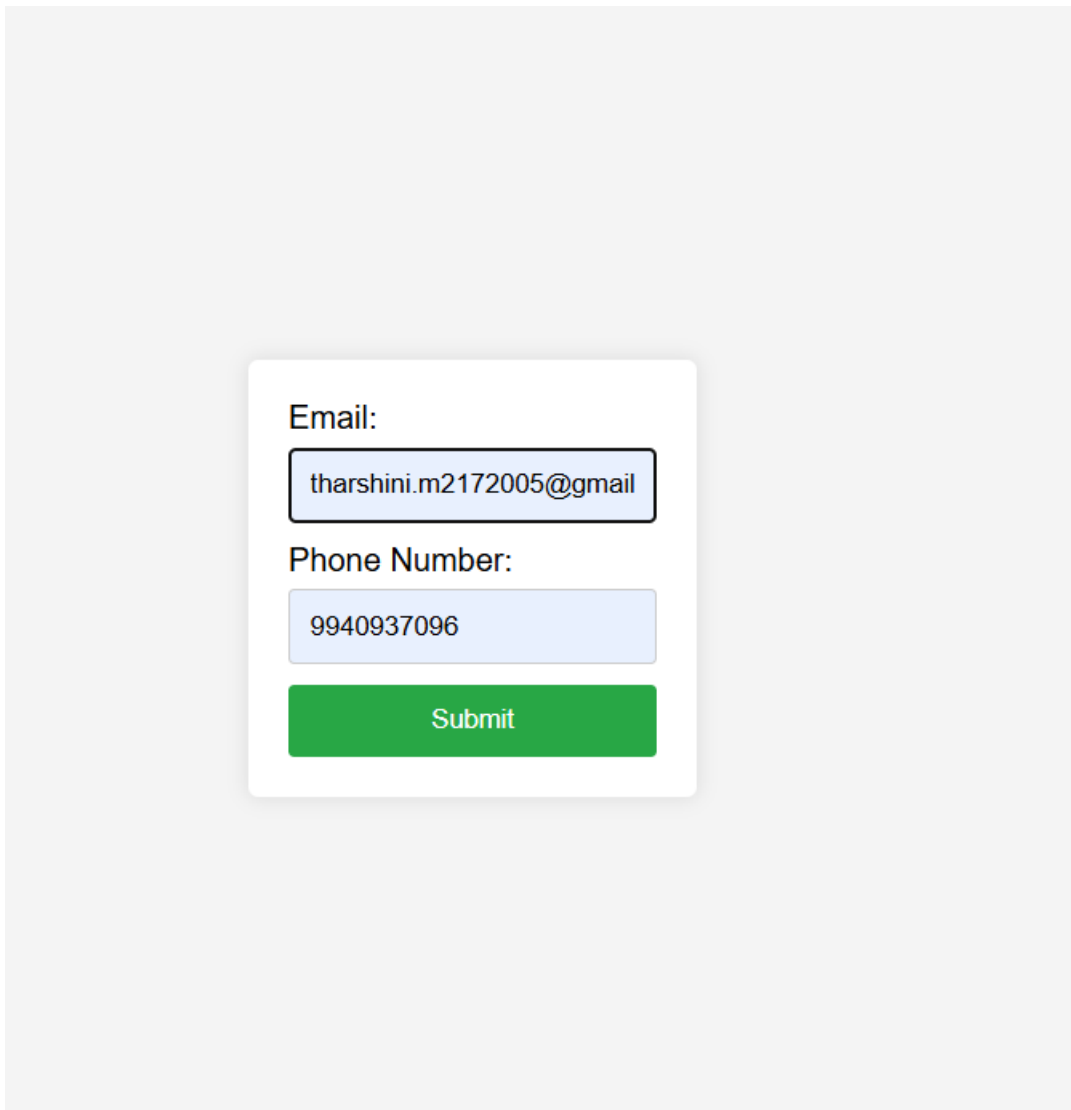
```
    let isValid = true;
```

```
    // Validate email  
    if (!validator.isEmail(email)) {  
        emailError.textContent = "Please enter a valid email address.";  
        isValid = false;  
    }
```

```
    // Validate phone  
    if (!validator.isMobilePhone(phone, "any")) {  
        phoneError.textContent = "Please enter a valid phone number.";  
        isValid = false;  
    }
```

```
    // If valid, log values  
    if (isValid) {  
        console.log("Email:", email);  
        console.log("Phone:", phone);
```

```
    alert("Form submitted successfully!");  
  }  
});
```



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Submit

