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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="style.css">
</head>
<body>
   <div class="container">
```

```html
<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="script.js"></script>
</body>
</html>
```

Step 2: Styling the Form with CSS

Next, add some basic styling to make the form look nice. **css**

```css
/* style.css */ body
{    font-family: Arial, sans-
serif;    background-color:
#f4f4f4;    display: flex;
justify-content:
center;    align-items: center;  height:
    100vh;
```

```css
      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;    flexdirection:
column;
}

label {    marginbottom:
5px;
}

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

button {
padding: 10px;
backgroundcolor:
#28a745; color:
```

white;   border:

none;   border-

radius: 3px;   cursor: pointer;

}

button:hover {   background-

color: #218838;

}

.error {   color: red;   font-size:

0.875em;

}
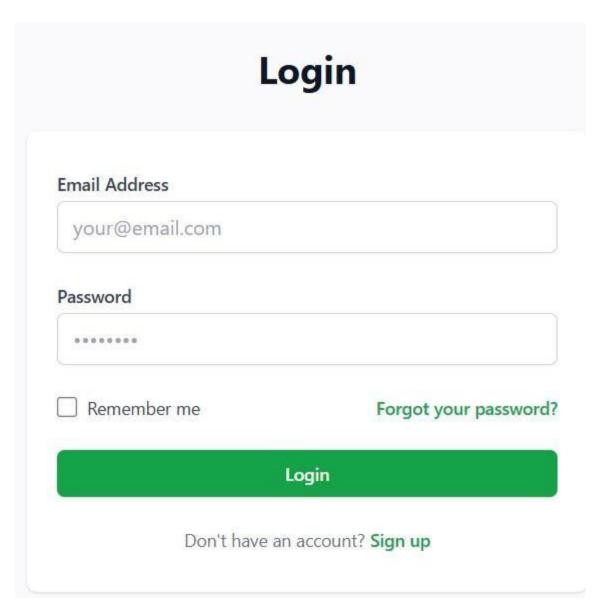
Step 3: Adding JavaScript for Validation

Finally, add JavaScript to validate the input fields using Validator.js and display error

messages.

javascript /*
script.js */
document.getElementById('myForm').addEventListener('submit', function (e) {
e.preventDefault();

   let email = document.getElementById('email').value;   let

phone = document.getElementById('phone').value; let

emailError = document.getElementById('emailError'); let

phoneError = document.getElementById('phoneError');

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

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

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

    // If no errors, submit the form (for demonstration purposes, we'll just log the values)
if (validator.isEmail(email) && validator.isMobilePhone(phone, 'any')) {
console.log('Email:', email);        console.log('Phone:', phone);
    }
});
```

OUTPUT:

Login

Email Address

your@email.com

Password

••••••••

☐ Remember me   **Forgot your password?**

Login

Don't have an account? **Sign up**

RESULT:

Input forms that validate data, such as email and phone number, and display error messages using HTML/CSS and JavaScript with Validator.js has been designed.