

Excercise 9

Date:

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>Validated Form</title>

  <link rel="stylesheet" href="styles.css" />

</head>

<body>

  <div class="container">

    <h2>Sign Up</h2>

    <form id="myForm">

      <label for="email">Email:</label>

      <input type="text" id="email" name="email" />

      <span class="error" id="emailError"></span>
```

```
<label for="phone">Phone Number:</label>

<input type="text" id="phone" name="phone" />

<span class="error" id="phoneError"></span>


<button type="submit">Submit</button>

</form>

</div>


<script src="https://cdn.jsdelivr.net/npm/validator@13.9.0/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:

```
body {

  font-family: Arial, sans-serif;

  background: #f0f2f5;

  display: flex;

  justify-content: center;

  padding-top: 50px;

}
```

```
.container {

  background: white;
```

```
padding: 20px 30px;

border-radius: 8px;

box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);

width: 300px;
}
```

```
form {

  display: flex;

  flex-direction: column;
}
```

```
label {

  margin-top: 10px;
}
```

```
input {

  padding: 8px;

  margin-top: 5px;

  border: 1px solid #ccc;

  border-radius: 4px;
}
```

```
.error {

  color: red;

  font-size: 0.9em;

  margin-top: 5px;
}
```

```
button {  
  
  margin-top: 20px;  
  
  padding: 10px;  
  
  background-color: #4caf50;  
  
  border: none;  
  
  color: white;  
  
  font-weight: bold;  
  
  border-radius: 4px;  
  
  cursor: pointer;  
  
}
```

```
button:hover {  
  
  background-color: #45a049;  
  
}
```

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.trim();  
  
  const phone = document.getElementById('phone').value.trim();  
  
  
  
  let isValid = true;
```

```
// Reset errors

document.getElementById('emailError').textContent = "";
document.getElementById('phoneError').textContent = "";


// Validate email
if (!validator.isEmail(email)) {

    document.getElementById('emailError').textContent = 'Please enter a valid email.';

    isValid = false;

}


// Validate phone (assumes US phone format, adjust as needed)
if (!validator.isMobilePhone(phone, 'en-US')) {

    document.getElementById('phoneError').textContent = 'Please enter a valid US phone number.';

    isValid = false;

}


if (isValid) {

    alert('Form submitted successfully!');

    // Here you can submit the form or send data via AJAX

}

});
```

OUTPUT:

Sign Up

Email:

Phone Number:

RESULT:

Hence the validator has been implemented by using javascript,html,css