RAJALAKSHMI ENGINEERING COLLEGE

RAJALAKSHMI NAGAR, THANDALAM – 602 105

HARDWORK DISCIPLINE

REC

RAJALAKSHMI
ENGINEERING COLLEGE

CS23A34
USER INTERFACE AND DESIGN LAB

Laboratory Observation NoteBook

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Semester : IV

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Ex. No. : 9

Register No. : 230701295 **Name : SARVESH R**

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.

```
<!-- index.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">
    <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">
</scri pt>
  <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.

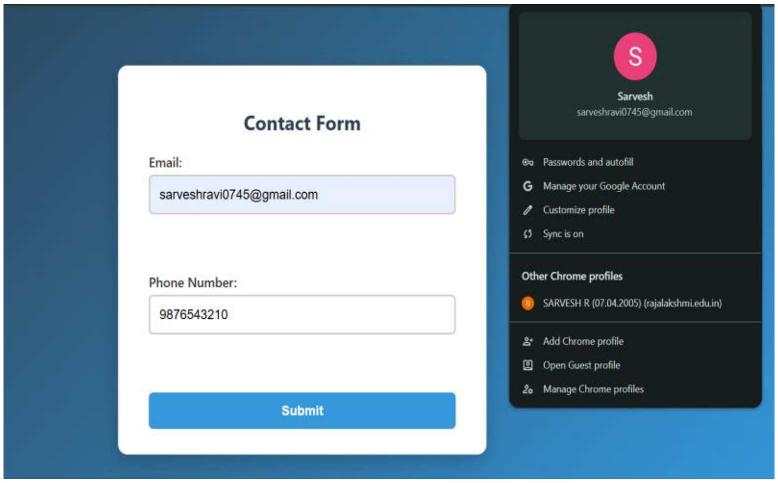
```
/* style.css */

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.

```
// script.js
```

```
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 = '';


  // 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 valid, log the input values
  if (validator.isEmail(email) && validator.isMobilePhone(phone, 'any')) {
    console.log('Email:', email);
    console.log('Phone:', phone);
  }
});
```

OUTPUT:



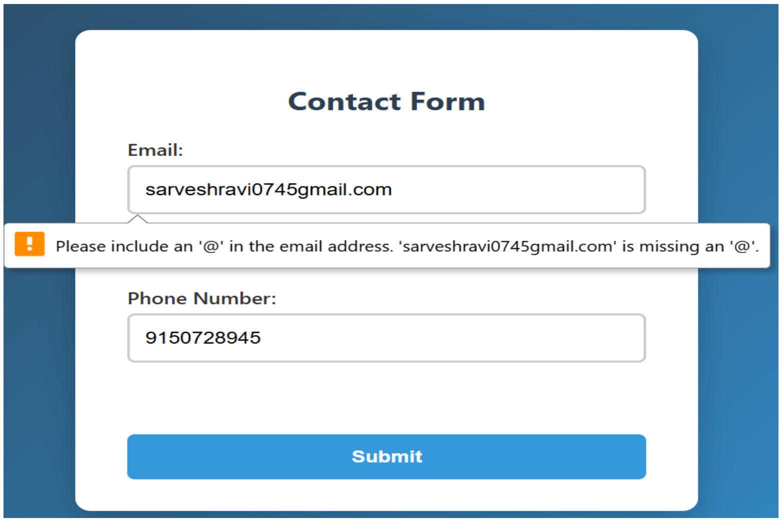
Contact Form

Email:

sarveshravi0745@gmail.com

Phone Number:

9876543210



Contact Form

Email: sarveshravi0745gmail.com

Please include an '@' in the email address. 'sarveshravi0745gmail.com' is missing an '@'.

Phone Number: 9150728945

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.