

USER INTERFACE DESIGN

EXERCISE – 9

FORM VALIDATION USING HTML/CSS/JS

230701222

This exercise is about creating a simple validation (email, phone number) and display error messages if its not valid.

It is a very simple one and is done by coding in HTML (for displaying), CSS (for styling), JS (for interactive actions)

HTML – Hyper Text Markup Language

CSS - Cascading Style Sheets

JS – Java Script

HTML Code:

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

```

CSS code:

```

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;
}
```

JS code:

```
document.getElementById('myForm').addEventListener('submit', function(event) {
    event.preventDefault(); // Prevent form from submitting

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

    emailError.textContent = '';
    phoneError.textContent = '';

    let valid = true;

    if (!validator.isEmail(email)) {
        emailError.textContent = 'Invalid email format.';
    }
});
```

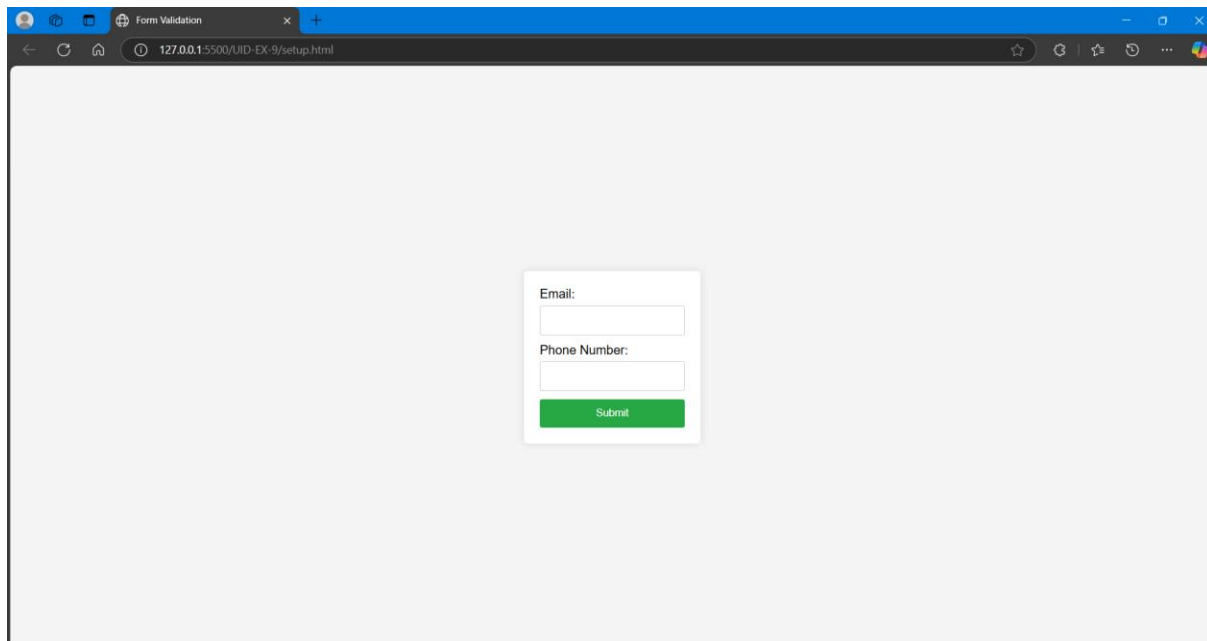
```
        valid = false;
    }

    if (!validator.isMobilePhone(phone, 'any')) {
        phoneError.textContent = 'Invalid phone number.';
        valid = false;
    }

    if (valid) {
        alert('Form submitted successfully!');
        // You can also reset the form if you want
        // document.getElementById('myForm').reset();
    }
});
```

The above are the given codes for your validation form.

Output:

A screenshot of a web browser window titled "Form Validation". The address bar shows the URL "127.0.0.1:5500/UID-9/setup.html". The main content area is a light gray background. In the center, there is a white form box with a light gray border. The form contains three elements: a label "Email:" followed by a text input field, a label "Phone Number:" followed by a text input field, and a green "Submit" button at the bottom.

This can be run on any server.

Usage:

The screenshot shows a web browser window with a single tab titled "Form Validation". The address bar displays the URL "127.0.0.1:5500/UID-EX-9/setup.html". A dark grey toast notification is visible at the top center, stating "127.0.0.1:5500 says" and "Form submitted successfully!" with an "OK" button. Below the notification, a white form is centered on the page. The form contains two input fields: "Email:" with the value "230701222@rajalakshmi.ec" and "Phone Number:" with the value "7200805864". A green "Submit" button is located at the bottom of the form.

Form Validation

127.0.0.1:5500/UID-EX-9/setup.html

127.0.0.1:5500 says
Form submitted successfully!
OK

Email:
230701222@rajalakshmi.ec

Phone Number:
7200805864

Submit