# FORM VALIDATION

**Introduction :**

- **This project is a fill the Form Validation**

**Project Overview :**

- **Build a simple web form using HTML.**

- **Implement JavaScript-based form validation for basic fields (e.g., name, email, and message).**

- **Provide clear error messages for invalid entries.**

**Code :**

**HTML Code :**

```html
<!DOCTYPE html>
<html lang="en">
 <head>
   <meta charset="UTF-8" />
   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
   <title>Web Form</title>
   <link rel="stylesheet" href="style2.css" />
   <!-- Link to CSS file -->
 </head>
 <body>
   <div class="container">
     <h2>Contact Us</h2>
     <form id="contactForm" onsubmit="return validateForm()">
       <div class="form-group">
         <label for="name">Name</label>
         <input type="text" id="name" name="name" />
         <div id="nameError" class="error"></div>
       </div>
       <div class="form-group">
         <label for="email">Email</label>
         <input type="email" id="email" name="email" />
         <div id="emailError" class="error"></div>
       </div>
```

```html
        <div class="form-group">
          <label for="message">Message</label>
          <textarea id="message" name="message"></textarea>
          <div id="messageError" class="error"></div>
        </div>
        <button type="submit">Submit</button>
      </form>
    </div>

    <script src="script.js"></script>
    <!-- Link to JavaScript file -->
  </body>
</html>
```

**CSS Code :**

```css
body {
  background-image:
url("https://th.bing.com/th?id=OIP.rL8aP0D8Le-OAoXVvwVwMgHaE6&w=306&h=203&c
=8&rs=1&qlt=90&o=6&pid=3.1&rm=2");
  background-size: cover;
  background-position: flex;
  background-repeat: no-repeat;
  opacity: 90%;
  margin: auto;
  justify-content: center;
  align-items: center;
  display: flex;
  height: 100vh;
}

.container {
  max-width: 600px;
  margin: 0 auto;
  color: black;
  background-color: transparent;
  padding-bottom: 20%;
  padding: 20px;
  border-radius: 15px;
  border-color: orange;
  box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
  /* width: 600px; */
  background: rgba(225, 225, 225, 0.2);
  border-radius: 16px;
  box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
```

```css
  backdrop-filter: blur(5px);
  -webkit-backdrop-filter: blur(5px);
  border: 1px solid rgba(225, 225, 225, 0.3);
}

h2 {
  text-align: center;
  margin-bottom: 20px;
}

.form-group {
  margin-bottom: 15px;
}

label {
  display: block;
  margin-bottom: 5px;
}

input[type="text"],
input[type="email"],
textarea {
  width: 100%;
  padding: 10px;
  border: 1px solid orange;
  border-radius: 5px;
  box-sizing: border-box;
}
textarea {
  height: 100px;
}

.error {
  color: red;
  font-size: 20px;
  margin-top: 5px;
}

button[type="submit"] {
  background-color: #333;
  color: #fff;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
```

```css
    cursor: pointer;
  }

  button[type="submit"]:hover {
    background-color: #555;
  }
```

**Java Script  Code :**
```javascript
function validateForm() {
  let isValid = true;

  // Clear previous error messages
  document.getElementById("nameError").textContent = "";
  document.getElementById("emailError").textContent = "";
  document.getElementById("messageError").textContent = "";

  // Validate Name
  let name = document.getElementById("name").value;
  if (name.trim() === "") {
    document.getElementById("nameError").textContent = "Name is required.";
    isValid = false;
  }

  // Validate Email
  let email = document.getElementById("email").value;
  let emailPattern = /^[^ ]+@[^ ]+\.[a-z]{2,3}$/;
  if (email.trim() === "") {
    document.getElementById("emailError").textContent = "Email is required.";
    isValid = false;
  } else if (!emailPattern.test(email)) {
    document.getElementById("emailError").textContent =
      "Please enter a valid email address.";
    isValid = false;
  }

  // Validate Message
  let message = document.getElementById("message").value;
  if (message.trim() === "") {
    document.getElementById("messageError").textContent =
      "Message is required.";
    isValid = false;
  }

  return isValid;
```
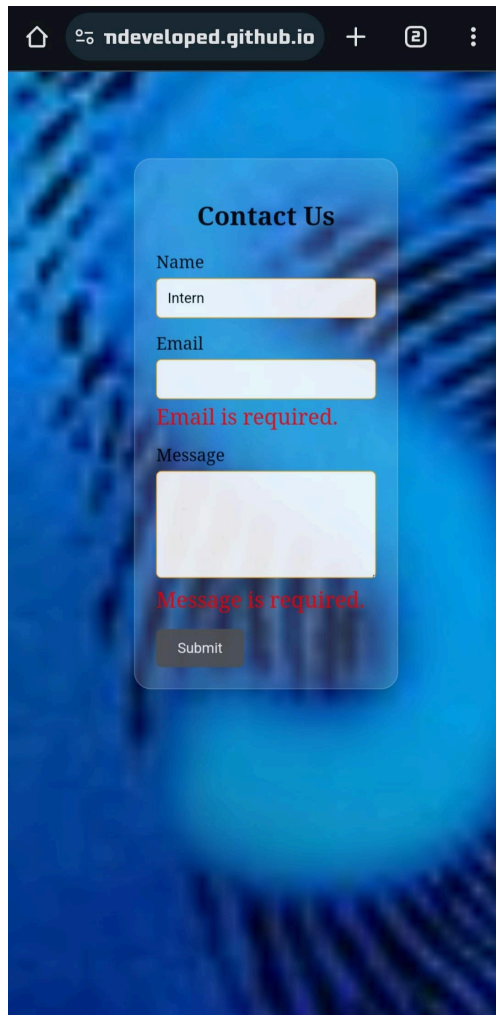
```
}
```

**Output :**