

LAB EXERCISE-3

```
<link rel="stylesheet" href="D:\Sem 5\Web Technologies\WebTech\form.css">
<body>
  <div class="container">
    <h1>Register With Us</h1>
    <form action="" id="form" class="form">
      <div class="input">
        <label for="username">Username</label>
        <input
          type="text"
          name="username"
          id="username"
          placeholder="Username"
          autocomplete="off"
        />
        <small>Error message</small>
      </div>
      <div class="input">
        <label for="email">Email</label>
        <input
          type="text"
          name="email"
          id="email"
          placeholder="Email"
          autocomplete="off"
        />
        <small>Error message</small>
      </div>
      <div class="input">
        <label for="password">Password</label>
        <input
          type="password"
          name="password"
          id="password"
          placeholder="Password"
        />
        <small>Error message</small>
      </div>
      <div class="input">
        <label for="c-password">Confirmer Password</label>
        <input
          type="password"
          name="c-password"
          id="c-password"
          placeholder="Confirmer Password"
        />
      </div>
    </form>
  </div>
</body>
```

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/>
<small>Error message</small>
</div>
<button>Submit</button>
</form>
<script src="D:\Sem 5\Web Technologies\WebTech\form.js"></script>
</div>
</body>
```

```
@import
url("https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;600;700&displ
ay=swap");
* {
margin: 0;
padding: 0;
box-sizing: border-box;
outline: none;
}
body {
background-color: #f9fafb;
font-family: "Open Sans", sans-serif;
height: 100vh;
display: flex;
align-items: center;
justify-content: center;
}
.container {
background-color: #fff;
border-radius: 5px;
box-shadow: 0 2px 10px rgba(0, 0, 0, 0.3);
width: 400px;
padding: 30px 40px;
}
.container h1 {
text-align: center;
margin: 0 0 20px;
font-size: 24px;
}
.input {
margin-bottom: 20px;
position: relative;
}
.input label {
display: block;
margin-bottom: 10px;
}
```

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.input input {
width: 100%;
height: 40px;
padding: 0 15px;
background-color: transparent;
border: 2px solid #f0f0f0;
border-radius: 5px;
}
.input small {
display: block;
color: #e74c3c;
font-weight: bold;
font-size: 11px;
padding-top: 3px;
visibility: hidden;
}
.input.success input {
border: 2px solid #2ecc71;
}
.input.error input {
border: 2px solid #e74c3c;
}
.input.error small {
visibility: visible;
}
button {
width: 100%;
height: 40px;
line-height: 40px;
background-color: #3498db;
border: 1px solid #3498db;
border-radius: 5px;
cursor: pointer;
color: #fff;
display: block;
font-size: 16px;
}

```

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const form = document.getElementById("form");
const username = document.getElementById("username");
const email = document.getElementById("email");
const password = document.getElementById("password");
const cPassword = document.getElementById("c-password");
//Show Error Message
function showError(input, message) {
const formControl = input.parentElement;

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formControl.className = "input error";
const small = formControl.querySelector("small");
small.innerText = message;
}
//Show Success message
function showSuccess(input) {
const formControl = input.parentElement;
formControl.classList.add("success");
}
//Check Required fields
function checkRequired(inputArr) {
inputArr.forEach(function (input) {
if (input.value.trim() === "") {
showError(input, `${getFieldName(input)} is required`);
} else {
showSuccess(input);
}
});
}
// Get Field Name
function getFieldName(input) {
return input.id.charAt(0).toUpperCase() + input.id.slice(1);
}
// Check Input Length
function checkLength(input, min, max) {
if (input.value.length < min) {
showError(
input,
`${getFieldName(input)} must be at least ${min} characters`
);
} else if (input.value.length > max) {
showError(
input,
`${getFieldName(input)} must be less than ${max} characters`
);
} else {
showSuccess(input);
}
}
// Check E-mail Is Valid
function checkEmail(input) {
const re = /^[^<>()[]\.,;:s@""]+(\.[^<>()[]\.,;:s@""]+)*|(".*")@([0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3}\.[0-9]{1,3})|([a-zA-Z-0-9]+\.[a-zA-Z]{2,})$/;
if (re.test(input.value.trim())) {
showSuccess(input);
} else {
showError(input, "E-mail is not Valid");
}
}

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}
// Check Password Match
function checkPasswordMatch(input1, input2) {
  if (input1.value !== input2.value) {
    showError(input2, "Passwords do not match");
  }
}
form.addEventListener("submit", (e) => {
  e.preventDefault();
  checkRequired([username, email, password, cPassword]);
  checkLength(username, 3, 15);
  checkLength(password, 8, 25);
  checkEmail(email);
  checkPasswordMatch(password, cPassword);
});

```

The screenshot displays a web browser window with a single tab titled "Form Validation Using HTML, CSS". The address bar shows the file path: `D:\Sem%205\Web%20Technologies\WebTech\form.html?username=kritthiga&email=kritthiga1806%40gmail.com&password=1234&c-password=1234`. The main content area features a registration form titled "Register With Us". The form includes four input fields: "Username", "Email", "Password", and "Confirmer Password", each with a placeholder text matching the field name. Below these fields is a blue "Submit" button. The browser's status bar at the bottom shows the Windows taskbar with the search bar, task icons, and system tray information including "ENG IN", signal icons, and the date/time "02-08-2023 08:38".