

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">Confirm Password</label>
        <input
          type="password"
          name="c-password"
          id="c-password"
          placeholder="Confirm Password"
        />
      </div>
    </form>
  </div>
</body>
```

```
    />
    <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&display=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;
}
```

```
.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;
}
```

```
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;
```

```
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");
}
}
```

```
}

// 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);
});
```

