

Task-6

Form Validation:

Implement client-side form validation to check for errors before submitting data.

CODE:

Client.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 Example</title>
  <link rel="stylesheet" href="color.css"> <!-- Link to your CSS file -->
</head>
<body>

  <h2>Registration Form</h2>

  <form id="registrationForm" onsubmit="return validateForm()">
    <label for="username">Username:</label><br>
    <input type="text" id="username" name="username"><br><br>

    <label for="email">Email:</label><br>
    <input type="email" id="email" name="email"><br><br>

    <label for="password">Password:</label><br>
    <input type="password" id="password" name="password"><br><br>

    <input type="submit" value="Submit">
  </form>
```

```
</body>
</html>
```

color.css:

```
body {
    background-color: #f2f2f2; /* Add a light gray background color
to the entire page */
}

#registrationForm {
    background-color: #fff; /* Add a white background color to the
form */
    padding: 20px;
    border: 1px solid #ddd;
    border-radius: 5px;
    box-shadow: 0px 0px 10px rgba(0,0,0,0.1);
}

input[type="text"],
input[type="email"],
input[type="password"] {
    width: 100%;
    padding: 10px;
    margin-bottom: 10px;
    border: 1px solid #ccc;
}
```

Form-validation.js:

```
function validateForm() {
    // Fetching values from inputs
    var username =
document.getElementById('username').value.trim();
    var email = document.getElementById('email').value.trim();
```

```

var password = document.getElementById('password').value;

// Simple validation (you can add more complex checks)
if (username === "") {
    alert('Username must be filled out');
    return false; // Prevent form submission
}

if (email === "") {
    alert('Email must be filled out');
    return false; // Prevent form submission
} else if (!isValidEmail(email)) {
    alert('Invalid email format');
    return false; // Prevent form submission
}

if (password === "") {
    alert('Password must be filled out');
    return false; // Prevent form submission
}

return true; // Allow form submission if all fields are valid
}

function isValidEmail(email) {
    const regex =
/^([a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,})$/;
    return regex.test(email);
}

```

OUTPUT:

Registration Form

Username:

Email:

Password:

Submit