# Experiment – 3

JavaScript

Lab Assignments to complete:

Create a sign-up page and use Javascript for from validation for the below fields as per image below:

CODE:

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="styles.css">

    <title>Stylish Registration Form</title>

</head>

<body>

    <div class="container">

        <h2>Create an Account</h2>

        <form id="registrationForm">

            <div class="form-group">

                <label for="username">Username:</label>

                <input type="text" id="username" name="username" required>

            </div>

            <div class="form-group">

                <label for="email">Email:</label>

                <input type="email" id="email" name="email" required>

            </div>

            <div class="form-group">

                <label for="password">Password:</label>

                <input type="password" id="password" name="password" required>

            </div>

            <button type="submit">Register</button>

        </form>

        <div id="errorMessages"></div>

    </div>

    <script src="script.js"></script>

</body>

</html>

Styles.css

/\* styles.css \*/

body {

    font-family: 'Arial', sans-serif;

    background: linear-gradient(to right, #6a11cb, #2575fc);

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    margin: 0;

}

.container {

    background: white;

    padding: 30px;

    border-radius: 10px;

    box-shadow: 0 4px 20px rgba(0, 0, 0, 0.2);

    width: 400px;

    text-align: center;

}

h2 {

    margin-bottom: 20px;

    color: #333;

}

.form-group {

    margin-bottom: 15px;

    text-align: left;

}

label {

    display: block;

    margin-bottom: 5px;

    font-weight: bold;

    color: #555;

}

input {

    width: 100%;

    padding: 10px;

    border: 1px solid #ccc;

    border-radius: 5px;

    transition: border-color 0.3s;

}

input:focus {

    border-color: #6a11cb;

    outline: none;

}

button {

    width: 100%;

    padding: 10px;

    background-color: #6a11cb;

    color: white;

    border: none;

    border-radius: 5px;

    cursor: pointer;

    font-size: 16px;

    transition: background-color 0.3s;

}

button:hover {

    background-color: #2575fc;

}

#errorMessages {

    color: red;

    margin-top: 10px;

    font-size: 14px;

}

Script.js

// script.js

document.getElementById('registrationForm').addEventListener('submit', function(event) {

    event.preventDefault(); // Prevent form submission

    // Clear previous error messages

    document.getElementById('errorMessages').innerHTML = '';

    // Get form values

    const username = document.getElementById('username').value;

    const email = document.getElementById('email').value;

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

    let errors = [];

    // Validation checks

    if (username.length < 3) {

        errors.push('Username must be at least 3 characters long.');

    }

    if (!validateEmail(email)) {

        errors.push('Please enter a valid email address.');

    }

    if (password.length < 6) {

        errors.push('Password must be at least 6 characters long.');

    }

    // Display errors or submit the form

    if (errors.length > 0) {

        document.getElementById('errorMessages').innerHTML = errors.join('<br>');

    } else {

        alert('Registration successful!');

        // Here you can submit the form or perform further actions

    }

});

// Email validation function

function validateEmail(email) {

    const re = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

    return re.test(String(email).toLowerCase());

}

OUTPUT :



