Experiment 4

Design a web-based application that enhances user interactivity by implementing a password-protected activation mechanism for input fields. The application prompts users to enter a password to activate textboxes, subsequently validating the format of mobile numbers and email addresses entered by the user.

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Secure Form with Validation</title>

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

    <script src="script.js" defer></script>

</head>

<body>

    <div class="container">

        <h2>Secure Form Activation</h2>

        <div id="password-section">

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

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

            <button onclick="activateForm()">Activate</button>

        </div>

        <form id="user-form" onsubmit="return validateForm()">

            <label for="mobile">Mobile Number:</label>

            <input type="text" id="mobile" placeholder="Enter 10-digit mobile number" disabled>

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

            <input type="text" id="email" placeholder="Enter email address" disabled>

            <button type="submit" id="submit-btn" disabled>Submit</button>

        </form>

    </div>

</body>

</html>

const correctPassword = "secure123"; // Change this to your required password

function activateForm() {

    let passwordInput = document.getElementById("password").value;

    if (passwordInput === correctPassword) {

        document.getElementById("mobile").disabled = false;

        document.getElementById("email").disabled = false;

        document.getElementById("submit-btn").disabled = false;

        alert("Form Activated Successfully!");

    } else {

        alert("Incorrect Password! Access Denied.");

    }

}

function validateForm() {

    let mobileNumber = document.getElementById("mobile").value;

    let email = document.getElementById("email").value;

    // Regular expression to validate mobile number (10 digits)

    var mobileRegex = /^\d{10}$/;

    if (!mobileRegex.test(mobileNumber)) {

        alert("Mobile number is not correct.\nIt should be exactly 10 digits.");

        return false;

    }

    // Regular expression to validate email format

    var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

    if (!emailRegex.test(email)) {

        alert("Email is not correct.\nEmail must be in the format: user@example.com");

        return false;

    }

    // Show confirmation before submitting

    return confirm("Are you sure you want to submit the form?");

}

body {

    font-family: Arial, sans-serif;

    text-align: center;

    background-color: #f4f4f4;

    margin: 0;

    padding: 0;

}

.container {

    background: white;

    width: 40%;

    margin: 50px auto;

    padding: 20px;

    border-radius: 8px;

    box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);

}

h2 {

    color: #333;

}

input {

    width: 90%;

    padding: 10px;

    margin: 10px 0;

    border: 1px solid #ccc;

    border-radius: 5px;

    font-size: 16px;

}

button {

    background: #007BFF;

    color: white;

    padding: 10px 15px;

    font-size: 16px;

    border: none;

    border-radius: 5px;

    cursor: pointer;

}

button:hover {

    background: #0056b3;

}

button:disabled {

    background: #ccc;

    cursor: not-allowed;

}



