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BATCH – AIML-B1 (FS3)

HTML

```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 with Password Activation</title>
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 50px;
            text-align: center;
            background-color: #f4f4f4;
        }
        .container {
            background: white;
            padding: 20px;
            border-radius: 10px;
            box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
            width: 350px;
            margin: auto;
        }
        h2 {
            color: #333;
        }
        input {
            display: block;
            margin: 10px auto;
            padding: 10px;
            width: 90%;
            border: 1px solid #ccc;
            border-radius: 5px;
        }
        button {
            padding: 10px 15px;
            margin: 10px;
            cursor: pointer;
            border: none;
            border-radius: 5px;
            background-color: #28a745;
            color: white;
            font-size: 16px;
        }
        button:hover {
            background-color: #218838;
        }
    </style>
```
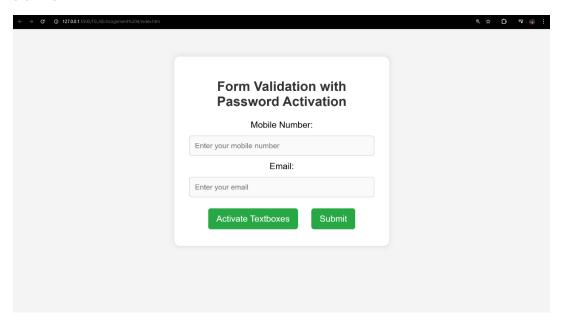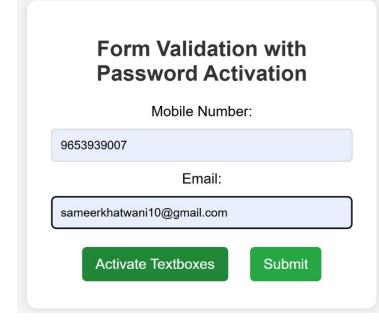
```html
</head>
<body>
    <div class="container">
        <h2>Form Validation with Password Activation</h2>
        <label>Mobile Number:</label>
        <input type="text" id="mobile" placeholder="Enter your mobile number" disabled>
        <label>Email:</label>
        <input type="text" id="email" placeholder="Enter your email" disabled>
        <button onclick="activateTextboxes()">Activate Textboxes</button>
        <button onclick="submitForm()">Submit</button>
    </div>

    <script>
        function activateTextboxes() {
            var password = prompt("Please enter the password to activate the textboxes:");
            if (password === "admin123") { // Change "admin123" to your desired password
                document.getElementById("mobile").disabled = false;
                document.getElementById("email").disabled = false;
                alert("Textboxes activated successfully!");
            } else {
                alert("Incorrect password. Textboxes remain disabled.");
            }
        }

        function submitForm() {
            var mobileNumber = document.getElementById("mobile").value;
            var email = document.getElementById("email").value;

            var mobileRegex = /^\d{10}$/;
            if (!mobileRegex.test(mobileNumber)) {
                alert("Mobile number is not correct.");
                return;
            }

            var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
            if (!emailRegex.test(email)) {
                alert("Email is not correct.\nEmail must be in the format:
user@example.com");
                return;
            }

            if (confirm("Are you sure you want to submit the form?")) {
                alert("Form submitted successfully!");
            }
        }
    </script>
</body>
</html>
```
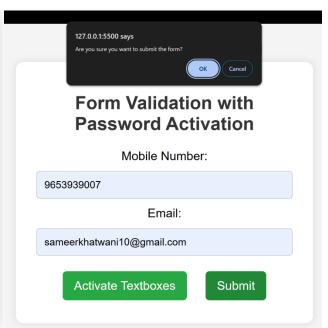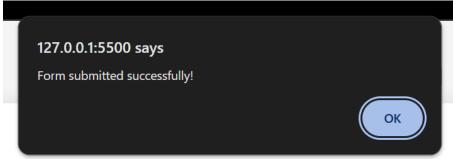
Objective:

The program implements a form validation system with password-based activation. Initially, the mobile number and email input fields are disabled. Users must enter a correct password to enable them. Once activated, the input fields are validated to ensure:

- The mobile number has exactly 10 digits.

- The email follows a valid format (user@example.com).
  If validation passes, the form prompts for confirmation before submission.

Tags Used:

- HTML Tags: **<!DOCTYPE html>, <html>, <head>, <meta>, <title>, <body>, <div>, <h2>, <label>, <input>, <button>, <script>.**

- CSS Properties: body, .container, h2, input, button, button:hover.

- JavaScript Functions: activateTextboxes(), submitForm().

- Regex Validation: Mobile (^\d{10}$), Email (^[^\s@]+@[^\s@]+\.[^\s@]+$).

This program enhances security and validation using JavaScript, DOM manipulation, and regular expressions.