

**NAME – Anvesha**

**PRN – 21070126017**

**AIML – A1**

## **Full Stack Development Assignment 4**

### **Objective of Experiment:**

Develop a web-based application aimed at enhancing user interaction through a password-protected activation feature for input fields. Users will be greeted with a user-friendly interface featuring input sections for mobile numbers and email addresses. Upon accessing the application, users will be required to input a password to activate the input fields, ensuring security and controlled access. Successfully entering the correct password will enable users to input their mobile number and email address. The application will validate the format of the mobile number, confirming it consists of 10 digits, and similarly, it will validate the email address format, ensuring it adheres to the standard email format (e.g., user@example.com). This design ensures a secure and user-friendly experience for inputting essential information.

### **EXPLAIN THE TAGS USED IN CODE:**

- `<style>`: Inside the head, this contains CSS code for styling purposes.
- `<body>`: Contains the content of the HTML document.
- `<script>`: Defines a client-side script, typically JavaScript, that manipulates the HTML document or responds to events
- `<script>` (inside function): Contains the flipCard function that toggles the 'flip' class on the card element, enabling flipping animation.
- `<h1>`: This tag is used for defining the most important heading in a document. It signifies the top-level heading.
- `<form id>`: This tag is used to create a form in HTML, with the 'id' attribute serving as a unique identifier for the form, which can be referenced by scripts or CSS.
- `<input>`: This tag creates an input field within a form where users can enter data. It can have various types such as text, password, email, etc.
- `<label>`: This tag defines a label for an `<input>` element. It provides a meaningful description for the input field, enhancing accessibility and usability.
- `disabled`: This attribute can be added to form elements like `<input>` to make them inactive and non-editable.
- `onclick`: This event attribute triggers a JavaScript function when the associated element is clicked.
- `alert()`: This is a JavaScript function that displays a dialog box with a specified message and an OK button.
- `document.getElementById()`: This JavaScript method is used to access a specific element in the HTML document by its unique ID.

## SOURCE CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>

  <h1>Form Validation with Password Activation</h1>
  <form id="myForm">
    <label for="Mno">Mobile Number</label>
    <input type="text" name="Mno" id="Mno" disabled>
    <br>
    <br>
    <label for="email">Email</label>
    <input type="text" name="email" id="email" disabled>
    <br>
    <br>
    <button onclick="activateTextboxes(event)">Activate Textboxes</button>
    <button onclick="submitForm()">Submit</button>
  </form>

  <script>
    function activateTextboxes(event) {
      event.preventDefault(); // Prevent form submission
      var password = prompt("Please enter your password:");

      if (password === "1234") {
        // Enable the textboxes
        document.getElementById("Mno").removeAttribute("disabled");
        document.getElementById("email").removeAttribute("disabled");
        alert("Password is correct! You can proceed.");
      } else {
        // If the password is incorrect, show an error message
        alert("Incorrect password. Textboxes not activated.");
      }
    }

    function submitForm() {
      // Here you can add the code to submit the form
      alert("Form submitted!");
    }
  </script>
```

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

**OUTPUT:**

# Form Validation with Password Activation

Mobile Number

Email

## Form Validation with Password Activation

Mobile Number

Email

This page says

Please enter your password:

## Form Validation with Password Activation

Mobile Number

Email

This page says

Please enter your password:

## Form Validation with Password Activation

Mobile Number

Email

This page says

Form submitted!

OK