LAB-04

Html

```html
<!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="stylin.css">
    <title>Document</title>
</head>
<body style="background-color:#CCCCCC;">
    <div id="main">
        <div>
            <h1 style="font-family: Georgia, 'Times New Roman', Times, serif; text-align: center;padding-bottom: 20px;">Registration Form</h1>
        </div>
        <form id="registrationForm" align="center" onsubmit="return validate()">
            <label for="firstName" class="side">First Name:</label>
            <br>
            <input type="text" id="firstName" name="firstName" class="inpBox"><br><br>


            <label for="lastName" class="side">Last Name:</label>
            <br>
            <input type="text" id="lastName" name="lastName" class="inpBox"><br><br>


            <label for="username" class="side">Username:</label>
            <br>
            <input type="text" id="username" name="username" class="inpBox"><br><br>
```

```html
            <label for="password" class="side">Password:</label>
            <br>
            <input type="password" id="password" name="password" class="inpBox"><br><br>


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


            <label for="phoneNumber" class="side">Phone Number:</label>
            <br>
            <input type="tel" id="phone" name="phoneNumber"  class="inpBox"><br><br>


            <!-- Styled submit button -->
            <div align="center">
                <input type="submit" id="Submit" value="Submit">
            </div>
        </form>
    </div>
    <script defer src="lab.js"></script>

</body>
</html>
```

CSS

```css
*{
    padding:0px;
    margin:0;
}
#main{
    width:40%;
```

```css
    height: 700px;

    border-left: 200px;

    background-color:#E5E5E5 ;

    border:solid 1px black;

    border-radius:10px;

    padding:10px;

    margin-left: 35%;

    margin-top: 20px;

    color: #000000;

    box-shadow: 10px 10px 5px rgba(0, 0, 0, 0.5);

}

#Submit{

    background-color: #4CAF50; /* Green */

    border: none;

    color: white;

    padding: 10px 26px;

    text-align: center;

    text-decoration: none;

    display: inline-block;

    font-size: 16px;

    margin: 4px 2px;

    cursor: pointer;

    border-radius: 4px;

}

#text{

    border-radius: 5px;

}

#registrationform{

    font-family: Arial, Helvetica, sans-serif;
```

```css
      font-size: 20px;
    }
    .side{
      font-size: 20px;
      font-weight: bold;

    }
    .inpBox{
      background-color:white;
      /* background-color:#CCCCCC; */
      width: 90%;
      height:40px;
      margin-top:8px;
      margin-left:20px ;
      font-size: 16px;
    }
    .inpBox:hover{
      background-color: #BBBBBB;
    }
    .login1{
      width:50%;
      height: 500px;
      border-left: 200px;
      background-color:#E5E5E5 ;
      border:solid 1px black;
      border-radius:10px;
      padding:10px;
      margin-left: 27%;
      margin-top: 180px;
```

```css
    color: #000000;

    box-shadow: 10px 10px 5px rgba(0, 0, 0, 0.5);

}

.inp{

    background-color:white;

    width: 90%;

    height:40px;

    margin-top:20px;

    margin-left:8px;

    margin-bottom: 5px;

    font-size: 16px;

}

.inp:hover{

    background-color: #BBBBBB;


}
```

JS

```javascript
function validate() {

    var firstName = document.getElementById("firstName").value;

    var lastName = document.getElementById("lastName").value;

    var username = document.getElementById("username").value;

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

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

    var phone = document.getElementById("phone").value;


    // Regular expressions for validation

    var nameRegex = /^[a-zA-Z]+$/;

    var usernameLength = username.length;

    var passwordRegex = /^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*?&])[A-Za-z\d@$!%*?&]{6,}$/;
```

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

    var phoneRegex = /^\d{10}$/;


    // Validation
    if (!nameRegex.test(firstName) || !nameRegex.test(lastName)) {

        alert('First name and last name should contain only characters.');

        return false;

    }

    if (usernameLength < 6 || usernameLength > 15) {

        alert('Username length should be between 6 and 15 characters.');

        return false;

    }

    if (!password.match(passwordRegex)) {

        alert('Password must be at least 6 characters long and contain at least one uppercase
letter, one lowercase letter, one digit, one special character, and should start with an
alphabet.');

        return false;

    }

    if (!email.match(emailRegex)) {

        alert('Email id should be in proper format.');

        return false;

    }

    if (!phone.match(phoneRegex)) {

        alert('Phone number should contain only 10 numbers.');

        return false;

    }

    return true;

}
```
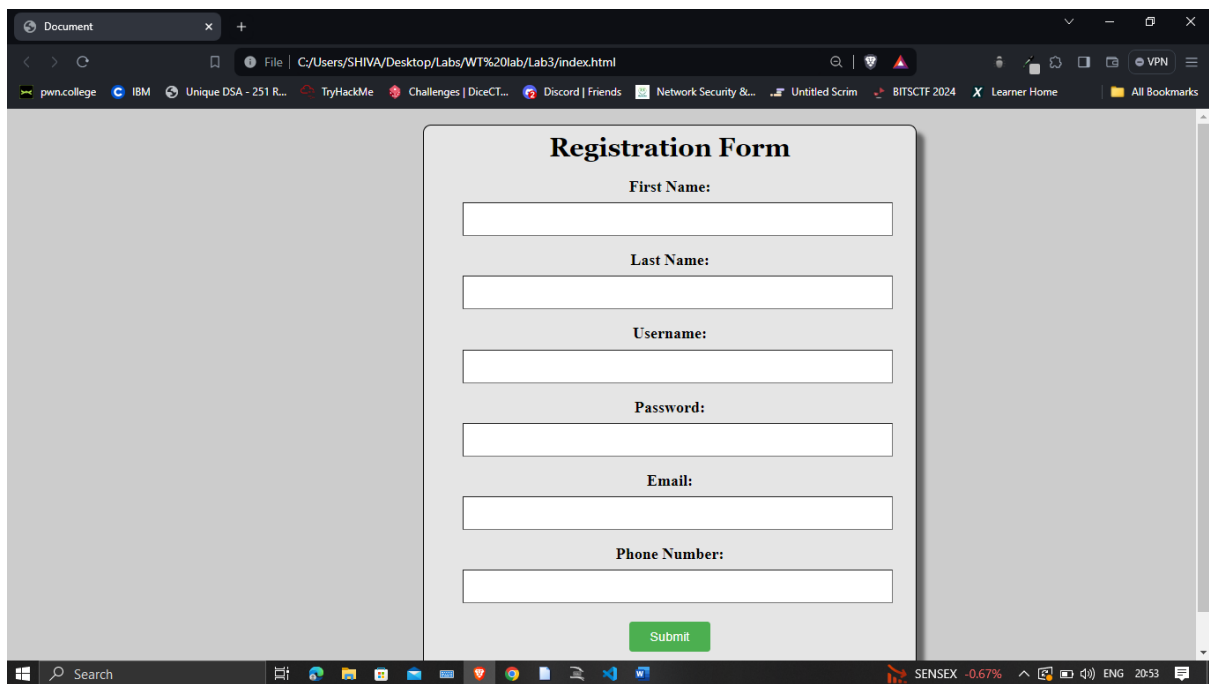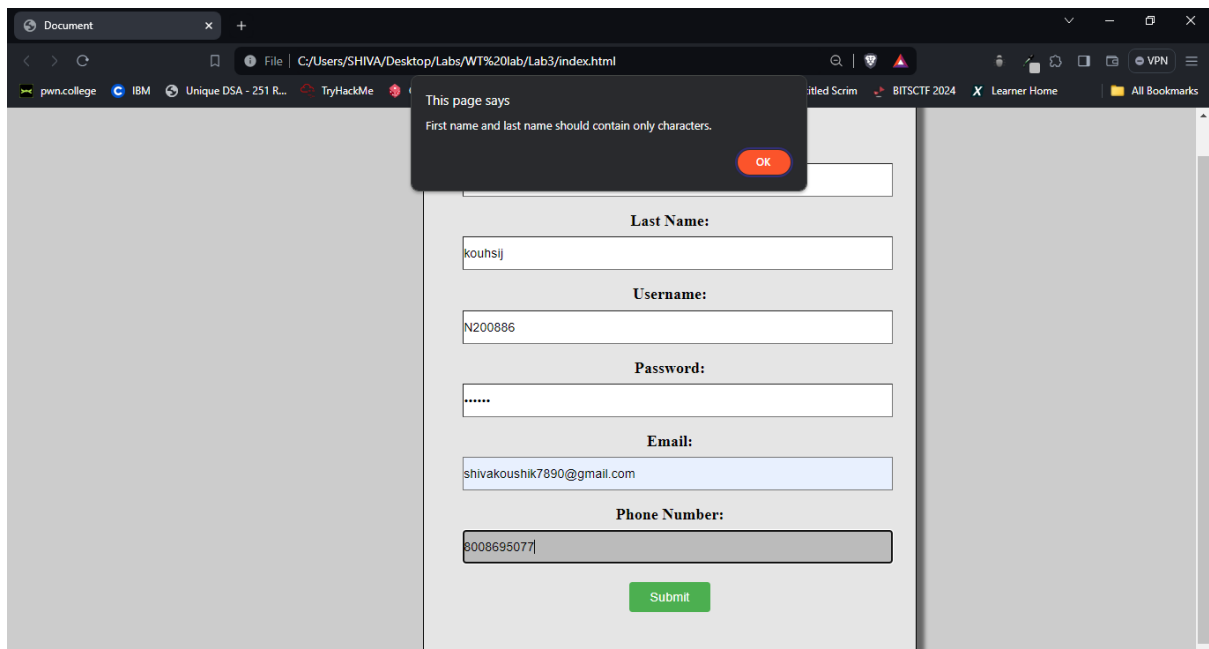
Output

Alert