

LAB-04

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>
```

```
<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

```
*{
```

```
    padding:0px;
```

```
    margin:0;
```

```
}
```

```
#main{
```

```
    width:40%;
```

```
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;
```

```
        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;
```

```
    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

```
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,}$/;
```

```
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;

```
}

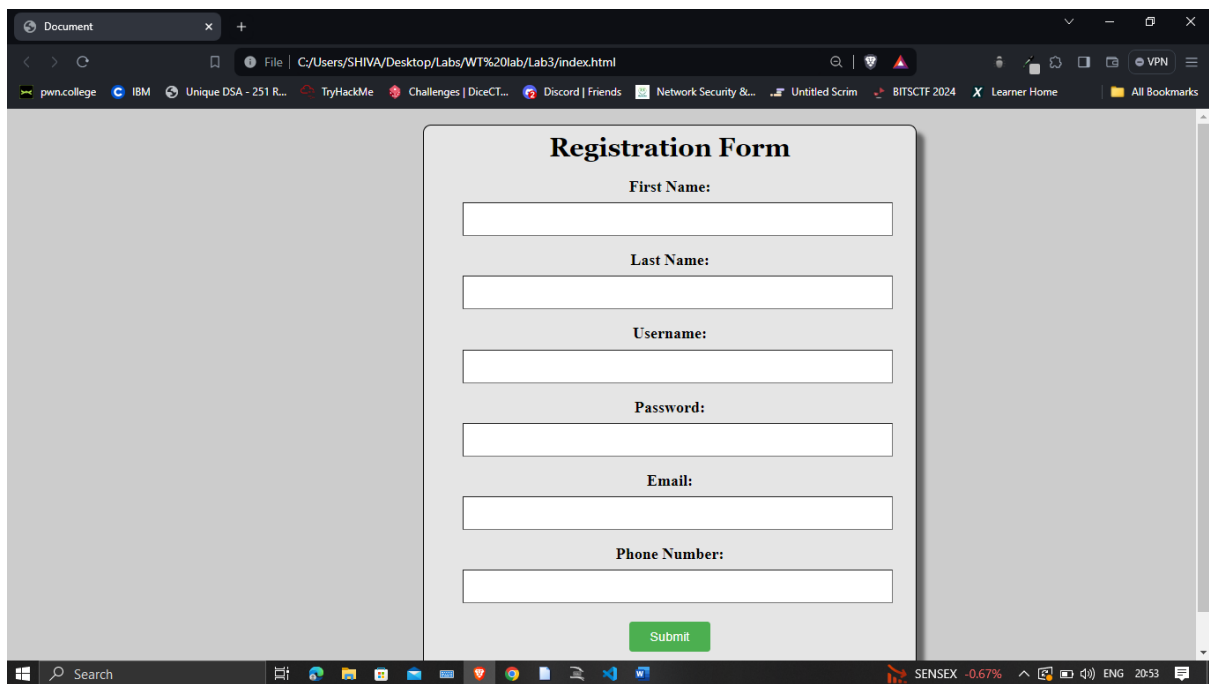
if (!phone.match(phoneRegex)) {
    alert('Phone number should contain only 10 numbers.');
```

return false;

```
}

return true;
}
```

Output

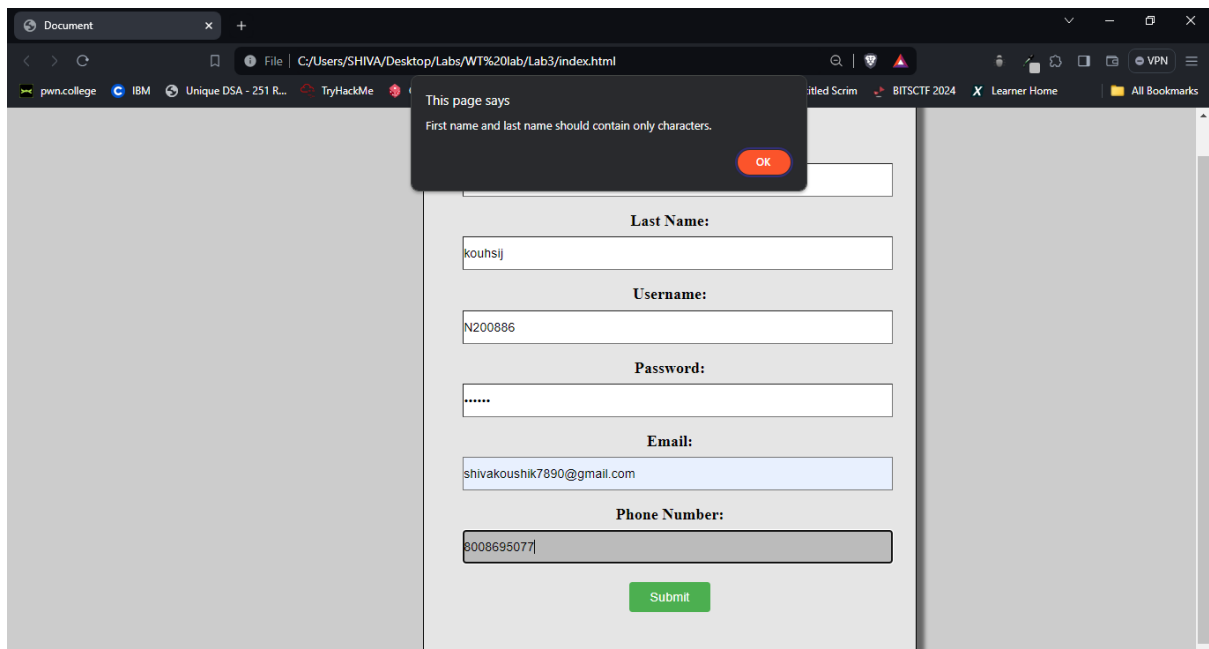


A screenshot of a web browser displaying a registration form. The browser's address bar shows the file path: `C:/Users/SHIVA/Desktop/Labs/WT%20lab/Lab3/index.html`. The form is titled "Registration Form" and contains the following fields:

- First Name:
- Last Name:
- Username:
- Password:
- Email:
- Phone Number:

A green "Submit" button is located at the bottom of the form. The browser's taskbar at the bottom shows various icons and the system clock indicating 20:53.

Alert



A screenshot of the same registration form, but with an alert message displayed over the "First Name" field. The alert box contains the text: "This page says First name and last name should contain only characters." and an "OK" button. The form fields are partially filled with the following values:

- Last Name:
- Username:
- Password:
- Email:
- Phone Number:

The "Submit" button remains visible at the bottom of the form.