- **Internship Task 6 :**

1. <u>**Code**</u>
- <u>**Signup.html**</u>

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

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

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

</head>
<body>

<div class="card">
    <h2>User Registration</h2>

    <form onsubmit="return validateForm()" >
        <div class="form-group">
            <label>Enter First Name : </label>
            <input type="text" id="fname" >
        </div>

        <div class="form-group">
            <label>Enter Last Name</label>
            <input type="text" id="lname" >
        </div>

        <div class="form-group">
            <label>Enter Email : </label>
            <input type="email"id="email"  >
        </div>

        <div class="form-group">
            <label>Enter Phone Number : </label>
            <input type="tel" id="phone" >
        </div>

        <div class="form-group">
            <label>Enter Password : </label>
            <input type="password" id="password"  >
        </div>

        <div class="form-group">
            <label>Enter Confirm Password : </label>
            <input type="password" id="cpassword" >
        </div>
```

```html
        <div class="form-group">
            <label>User Type</label>
            <select id="userType" >
                <option value="">Select User Type</option>
                <option>Student</option>
                <option>Admin</option>
            </select>
        </div>

        <button  type="submit">Sign Up</button>
    </form>
</div>

</body>
</html>
```

- **<u>Style.css</u>**

```css
body {
        font-family: Arial, sans-serif;
        background: #f4f6f9;
        display: flex;
        justify-content: center;
        align-items: center;
        height: 100vh;
        margin: 0;
    }

    .card {
        background: #ffffff;
        width: 450px;
        padding: 30px;
        border-radius: 12px;
        box-shadow: 0 10px 25px rgba(0,0,0,0.1);
    }

    .card h2 {
        text-align: center;
        margin-bottom: 25px;
        color: #333;
    }

    .form-group {
        margin-bottom: 16px;
    }

    label {
        display: block;
        margin-bottom: 6px;
        font-weight: bold;
```

```css
        color: #555;
    }

    input, select {
        width: 100%;
        padding: 12px;
        border-radius: 6px;
        border: 1px solid #ccc;
        font-size: 14px;
        box-sizing: border-box;
    }

    input:focus, select:focus {
        outline: none;
        border-color: #007bff;
    }

     button{
        width: 100%;
        padding: 15px;
        border: none;
        border-radius: 6px;
        background: #007bff;
        color: #fff;
        font-size: 26px;
        cursor: pointer;
        margin-top: 15px;
    }

    button:hover {
        background: #0056b3;
    }

    @media (max-width: 500px) {
        .card {
            width: 90%;
        }
    }
```

- **Script.js**

```javascript
function validateForm() {

    var   fname = document.getElementById("fname").value;
    var lname = document.getElementById("lname").value;
    var email = document.getElementById("email").value;
    var phone = document.getElementById("phone").value;
    var password = document.getElementById("password").value;
    var cpassword = document.getElementById("cpassword").value;
    var userType = document.getElementById("userType").value;

    if (fname === "" || lname === "") {
        alert("First Name and Last Name are required");
        return false;
```

```
        }

    var emailPattern = /^(?=.*[a-zA-Z])(?=.*\d)(?=.*[._-])[a-zA-Z0-9._-
    ]+@gmail\.com$/;

    if (!email.match(emailPattern)) {
    alert("Email must contain at least 1 letter, 1 number, 1 special
    character and end with @gmail.com");
        return false;
    }

    if (phone.length !== 10) {
        alert("Phone number must be 10 digits");
        return false;
    }

    if (password.length < 6) {
        alert("Password must be at least 6 characters");
        return false;
    }

    if (password !== cpassword) {
        alert("Passwords do not match");
        return false;
    }

    if (userType === "") {
        alert("Please select User Type");
        return false;
    }

    alert("Registration Successful!");
    return true;
}
```

2. Step By Step Explaination

❖ **Function Declaration**

- This function runs **when the form is submitted**.

- It returns **true** if all validations pass (form submits).

- It returns **false** if any validation fails (form stops submitting).

❖ **Reading Input Values from Form**

- Fetches the **user-entered value** from input fields.

- These variables store the form data so validation can be applied.

❖ **First Name & Last Name Validation**

Checks whether **First Name or Last Name is empty**

If empty → alert message shown
return false stops form submission

❖ **Email Pattern Definition (Regex)**

This regex ensures:

- (?=.*[a-zA-Z]) → at least **1 letter**

- (?=.*\d) → at least **1 number**

- (?=.*[._-]) → at least **1 special character** (. _ -)

- Must end with **@gmail.com**

❖ **Email Validation**

match() checks if email follows the regex pattern
If not → shows alert and stops form submission

❖ **Phone Number Validation**

Checks phone number length
If not exactly **10 digits** → error shown

This does NOT check characters — only length.

❖ **Password Length Validation**

✓ Ensures password has **minimum 6 characters**

❖ **Confirm Password Match**

Checks if **Password and Confirm Password are same**
If different → form submission stops

❖ **User Type Selection Validation**

Ensures dropdown option is selected
If not → error message

❖ **Successful Submission**

Page Setup

- **Declares HTML5 document**

- **Language set to English**

Head Section

- **Makes page responsive**
- **Links external CSS**
- **Loads JavaScript validation after HTML**

Card Container

- **Wraps the form in a card layout**
- **Improves UI and readability**

Form Element

- **Calls validateForm() on submit**
- **return false → stops submission if validation fails**

Input Fields

- **Each field has a unique id**
- **JavaScript uses these IDs for validation**

Dropdown (User Type)

- **Forces user to select Student or Admin**

Submit Button

- **Triggers form submission**
- **Centers the card horizontally & vertically**

Card Design

- **Creates a clean card UI**
- **Adds rounded corners and shadow**

Form Fields

- **Full-width inputs**
- **Better spacing and usability**

Button Styling

- **Large, attractive call-to-action button**

Responsive Design

3. Output Screenshot :

Screenshot 1

127.0.0.1:5500 says

Password must be at least 6 characters

OK

Enter Last Name
Chaudhari

Enter Email :
vaishnavi-123@gmail.com

Enter Phone Number :
9011320912

Enter Password :
•••••

Enter Confirm Password :
••••••

User Type
Select User Type

Sign Up

13°C
Mostly clear

Screenshot 2

127.0.0.1:5500 says

Passwords do not match

OK

Enter Last Name
Chaudhari

Enter Email :
vaishnavi-123@gmail.com

Enter Phone Number :
9011320912

Enter Password :
•••••••••

Enter Confirm Password :
••••••

User Type
Select User Type

Sign Up

13°C
Mostly clear

Screenshot 3

127.0.0.1:5500 says

Registration Successful!

OK

Enter Last Name
Chaudhari

Enter Email :
vaishnavi-123@gmail.com

Enter Phone Number :
9011320912

Enter Password :
•••••••••

Enter Confirm Password :
•••••••••

User Type
Student

Sign Up

13°C
Mostly clear