For form validation code check gether some idea from mozila.

Link: https://developer.mozilla.org/en-US/docs/Web/HTML/Element/form

W3school: https://www.w3schools.com/html/html_forms.asp

https://developer.mozilla.org/en-US/docs/Web/CSS/:valid

https://developer.mozilla.org/en-US/docs/Learn/Forms/Form_validation

https://developer.mozilla.org/en-US/docs/Web/Guide/HTML/Constraint_validation

https://developer.mozilla.org/en-US/docs/Web/API/HTMLFormElement/submit_event

https://www.w3schools.com/jsref/event_preventdefault.asp

```html
<label for="name">Full Name</label>
        <input type="text" id="name">
```
For & id Name same hote hobe.

Google Font use = Sen.

Search it on google = password validation pattern regex = https://regexr.com/3bfsi

Code:

Index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Form Validation</title>
    <link rel="stylesheet" href="style.css" />
  </head>
  <body>
  <div class="container">
    <h1>Sign Up Today!</h1>
    <!-- Form -->
    <form id="form">
      <!-- Full Name -->
      <div class="form-group">
        <label for="name">Full Name</label>
        <input type="text" id="name" name="name"
              placeholder="Full Name" required minlength="3" maxlength="100">
      </div>
      <!-- Phone Number -->
      <div class="form-group">
        <label for="phone">Phone Number</label>
        <input type="tel" id="phone" name="phone"
              placeholder="+8812345-657867" required>
      </div>
      <!-- Email Address -->
      <div class="form-group">
        <label for="email">Email Address</label>
        <input type="email" id="email" name="email"
```

```html
                placeholder="email@address.com" required>
    </div>
    <!-- Password -->
    <div class="form-group">
        <label for="password1">Password</label>
        <input type="password" id="password1" placeholder="Create Password (Min. 8
characters)"
                required pattern="^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])(?=.*[a-zA-
Z]).{8,}$"
                title="Please include at least 1 uppercase character, 1 lowercase
character, and 1 number.">
    </div>
    <!-- Confirm Password -->
    <div class="form-group">
        <label for="password2">Confirm Password</label>
        <input type="password" id="password2" placeholder="Confirm Password"
                required pattern="^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])(?=.*[a-zA-
Z]).{8,}$" name="password">
    </div>
    <button type="submit">Register</button>
</form>
<!-- Error/Success Message -->
<div class="message-container">
    <h3 id="message">Don't Hesitate!</h3>
</div>
</div>
<!-- Script -->
<script src="script.js"></script>
</body>
</html>
```

Script.js

```javascript
const form = document.getElementById("form");
const password1El = document.getElementById("password1");
const password2El = document.getElementById("password2");
const messageContainer = document.querySelector(".message-container");
const message = document.getElementById("message");

let isValid = false;
let passwordsMatch = false;

function validateForm() {
  // Use HTML constraint API to check form validity
  isValid = form.checkValidity();
  // If the form isn't valid
  if (!isValid) {
    // Style main message for an error
    message.textContent = "Please fill out all fields.";
    message.style.color = "red";
```

```javascript
      messageContainer.style.borderColor = "red";
      return;
    }
    // Check to see if both password fields match
    if (password1El.value === password2El.value) {
      // If they match, set value to true and borders to green
      passwordsMatch = true;
      password1El.style.borderColor = "green";
      password2El.style.borderColor = "green";
    } else {
      // If they don't match, border color of input to red, change message
      passwordsMatch = false;
      message.textContent = "Make sure passwords match.";
      message.style.color = "red";
      messageContainer.style.borderColor = "red";
      password1El.style.borderColor = "red";
      password2El.style.borderColor = "red";
      return;
    }
    // If form is valid and passwords match
    if (isValid && passwordsMatch) {
      // Style main message for success
      message.textContent = "Successfully Registered!";
      message.style.color = "green";
      messageContainer.style.borderColor = "green";
    }
}

function storeFormData() {
  const user = {
    name: form.name.value,
    phone: form.phone.value,
    email: form.email.value,
    password: form.password.value,
  };
  // Do something with user data
  console.log(user);
}

function processFormData(e) {
  e.preventDefault();
  // Validate Form
  validateForm();
  // Submit Form if Valid
  if (isValid && passwordsMatch) {
    storeFormData();
  }
}

// Event Listener
form.addEventListener("submit", processFormData);
```

style.css

```css
@import url("https://fonts.googleapis.com/css2?family=Sen&display=swap");

html {
  box-sizing: border-box;
}

body {
  margin: 0;
  min-height: 100vh;
  font-family: "Sen", sans-serif;
  letter-spacing: 2px;
  display: flex;
  align-items: center;
  justify-content: center;
  background: #c9ced3;
}
.container {
  width: 480px;
  height: 630px;
  background: white;
  display: flex;
  flex-direction: column;
  align-items: center;
  border-radius: 10px;
  box-shadow: 0 5px 30px 10px rgb(0, 0, 0, 0.4);
}

/* Form */
form {
  width: 90%;
}
.form-group {
  height: 65px;
}
label {
  position: relative;
  bottom: 3px;
}
input {
  width: 100%;
  height: 34px;
  padding: 5px;
  border: 1px solid black;
  border-radius: 5px;
  outline: none;
  box-sizing: border-box;
  transition: all 0.3s;
}
input:valid {
  border: 1px solid green;
```

```css
}
input:invalid {
  border: solid red;
}
button {
  cursor: pointer;
  color: white;
  background: black;
  border: none;
  border-radius: 5px;
  height: 50px;
  width: 100%;
  font-family: "Sen", sans-serif;
  font-size: 20px;
  letter-spacing: 2px;
  margin-top: 5px;
}
button:hover {
  filter: brightness(200%);
  background: rgb(22, 22, 22);
}
button:focus {
  outline: none;
}
.message-container {
  border: 1px solid black;
  border-radius: 5px;
  width: 90%;
  margin-top: 20px;
  display: flex;
  justify-content: center;
  color: black;
}
```