Form Validation Project

This is a user registration form built with HTML, CSS (Bootstrap), and JavaScript.

It validates form input like:

- Full Name (min 5 characters)

- Email with @ symbol

- 10-digit Phone Number

- Strong Password (not "password", not name, min 8 chars)

- Matching Confirm Password

Technologies Used:

- HTML5

- CSS3 + Bootstrap

- JavaScript (Vanilla JS)

index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Form Validation</title>
        <link     href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
  <link rel="stylesheet" href="style.css">
</head>
<body>
<div class="container mt-5">
  <h2 class="text-center mb-4">Register</h2>
  <form id="registrationForm" class="p-4 shadow bg-light rounded">
    <input type="text" id="name" placeholder="Full Name" class="form-control mb-2">
    <small id="nameError" class="text-danger"></small>

    <input type="email" id="email" placeholder="Email ID" class="form-control mb-2">
    <small id="emailError" class="text-danger"></small>

    <input type="text" id="phone" placeholder="Phone Number" class="form-control mb-2">
    <small id="phoneError" class="text-danger"></small>
```

```html
    <input type="password" id="password" placeholder="Password" class="form-control mb-2">
    <small id="passwordError" class="text-danger"></small>

     <input type="password" id="confirmPassword" placeholder="Confirm Password" class="form-control
mb-2">
    <small id="confirmPasswordError" class="text-danger"></small>

    <button type="submit" class="btn btn-primary w-100">Submit</button>
  </form>
</div>
<script src="script.js"></script>
</body>
</html>
```

style.css

```css
body {
  background: #f0f2f5;
}

form {
  max-width: 400px;
  margin: auto;
}
```

script.js

```javascript
document.getElementById("registrationForm").addEventListener("submit", function(e) {
  e.preventDefault();

  let name = document.getElementById("name").value.trim();
  let email = document.getElementById("email").value.trim();
  let phone = document.getElementById("phone").value.trim();
  let password = document.getElementById("password").value;
  let confirmPassword = document.getElementById("confirmPassword").value;

  let isValid = true;

  document.getElementById("nameError").innerText = "";
  document.getElementById("emailError").innerText = "";
  document.getElementById("phoneError").innerText = "";
  document.getElementById("passwordError").innerText = "";
  document.getElementById("confirmPasswordError").innerText = "";

  if (name.length < 5) {
    document.getElementById("nameError").innerText = "Name must be at least 5 characters";
    isValid = false;
  }

  if (!email.includes("@")) {
    document.getElementById("emailError").innerText = "Invalid email";
    isValid = false;
```

```javascript
    }

    if (phone.length !== 10 || phone === "1234567890" || isNaN(phone)) {
      document.getElementById("phoneError").innerText = "Enter valid 10-digit number";
      isValid = false;
    }

    if (password.length < 8 || password.toLowerCase() === "password" || password === name) {
      document.getElementById("passwordError").innerText = "Weak password";
      isValid = false;
    }

    if (password !== confirmPassword) {
      document.getElementById("confirmPasswordError").innerText = "Passwords do not match";
      isValid = false;
    }

    if (isValid) {
      alert("Form submitted successfully!");
      document.getElementById("registrationForm").reset();
    }
});
```