

Forming form html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Form Validation</title>

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

</head>

<body>

  <div class="container">

    <h1>Registration Form</h1>

    <form id="registrationForm" onsubmit="return validateForm()">

      <div class="form-group">

        <label for="fullName">Full Name:</label>

        <input type="text" id="fullName" name="fullName" oninput="validateName()" required>

        <span id="nameError" class="error"></span>

      </div>

      <div class="form-group">

        <label for="email">Email:</label>

        <input type="email" id="email" name="email" oninput="validateEmail()" required>

        <span id="emailError" class="error"></span>

      </div>

      <div class="form-group">

        <label for="phone">Phone Number:</label>

        <input type="tel" id="phone" name="phone" oninput="validatePhone()" required>

        <span id="phoneError" class="error"></span>

      </div>

      <div class="form-group">

        <label for="password">Password:</label>
```

```

        <input type="password" id="password" name="password"
oninput="validatePassword()" required>

        <span id="passwordError" class="error"></span>

    </div>

    <div class="form-group">

        <label for="confirmPassword">Confirm Password:</label>

        <input type="password" id="confirmPassword" name="confirmPassword"
oninput="validateConfirmPassword()" required>

        <span id="confirmPasswordError" class="error"></span>

    </div>

    <button type="submit">Register</button>

</form>

</div>

<script src="script.js"></script>
</body>
</html>

```

Styling form CSS

```

body {

    font-family: Arial, sans-serif;

    background: #f4f4f9;

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    margin: 0;

}

.container {

    background: #fff;

    padding: 20px;

    border-radius: 8px;

    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

```

```
    width: 400px;
}
```

```
h1 {
    text-align: center;
    color: #333;
}
```

```
.form-group {
    margin-bottom: 15px;
}
```

```
label {
    display: block;
    font-weight: bold;
    margin-bottom: 5px;
}
```

```
input {
    width: 100%;
    padding: 8px;
    font-size: 1rem;
    border: 1px solid #ccc;
    border-radius: 4px;
}
```

```
input:focus {
    border-color: #007BFF;
    outline: none;
}
```

```
button {  
  width: 100%;  
  padding: 10px;  
  font-size: 1rem;  
  color: #fff;  
  background: #007BFF;  
  border: none;  
  border-radius: 4px;  
  cursor: pointer;  
}
```

```
button:hover {  
  background: #0056b3;  
}
```

```
.error {  
  color: red;  
  font-size: 0.875rem;  
  margin-top: 5px;  
}
```

Javascript

```
function validateName() {  
  const name = document.getElementById("fullName").value;  
  const error = document.getElementById("nameError");  
  if (name.length < 5) {  
    error.innerText = "Name must be at least 5 characters.";  
    return false;  
  } else {  
    error.innerText = "";  
    return true;  
  }  
}
```

```
}
```

```
function validateEmail() {  
    const email = document.getElementById("email").value;  
    const error = document.getElementById("emailError");  
    if (!email.includes("@")) {  
        error.innerText = "Please enter a valid email address.";  
        return false;  
    } else {  
        error.innerText = "";  
        return true;  
    }  
}
```

```
function validatePhone() {  
    const phone = document.getElementById("phone").value;  
    const error = document.getElementById("phoneError");  
    if (phone === "123456789" || phone.length !== 10 || isNaN(phone)) {  
        error.innerText = "Please enter a valid 10-digit phone number.";  
        return false;  
    } else {  
        error.innerText = "";  
        return true;  
    }  
}
```

```
function validatePassword() {  
    const password = document.getElementById("password").value;  
    const name = document.getElementById("fullName").value;  
    const error = document.getElementById("passwordError");  
    if (
```

```
password.toLowerCase() === "password" ||
password.toLowerCase() === name.toLowerCase() ||
password.length < 8
){
    error.innerText = "Password must be strong and at least 8 characters.";
    return false;
} else {
    error.innerText = "";
    return true;
}
}
```

```
function validateConfirmPassword() {
    const confirmPassword = document.getElementById("confirmPassword").value;
    const password = document.getElementById("password").value;
    const error = document.getElementById("confirmPasswordError");
    if (confirmPassword !== password) {
        error.innerText = "Passwords do not match.";
        return false;
    } else {
        error.innerText = "";
        return true;
    }
}
```

```
function validateForm() {
    const isNameValid = validateName();
    const isEmailValid = validateEmail();
    const isPhoneValid = validatePhone();
    const isPasswordValid = validatePassword();
    const isConfirmPasswordValid = validateConfirmPassword();
```

```
return (  
    isNameValid &&  
    isEmailValid &&  
    isPhoneValid &&  
    isPasswordValid &&  
    isConfirmPasswordValid  
);  
}
```

Output:

Registration Form

Full Name:

Email:

Phone Number:

Password:

Confirm Password:

Register