Form with validation

```
import React, { useState } from "react";

function Form() {
const [name, setName] = useState("");
const [email, setEmail] = useState("");
const [phone, setPhone] = useState("");
const [password, setPassword] = useState("");
const [confirmPass, setConfirmPass] = useState("");

const [errors, setErrors] = useState({});

const handleSubmit = (e) => {
e.preventDefault();
let formErrors = {};

// 1. Required Name Validation
if (!name) {
formErrors.name = "Name is required";
}

// 2. Email Format Validation
if (!email) {
formErrors.email = "Email is required";
} else if (!/\S+@\S+\.\S+/.test(email)) {
formErrors.email = "Invalid email format";

}

// 3. Phone Number Validation (10 digits)
if (!phone) {
formErrors.phone = "Phone number is required";
```

```jsx
} else if (!/^\d{10}$/.test(phone)) {
  formErrors.phone = "Phone must be 10 digits";
}

// 4. Password Length Validation
if (!password) {
  formErrors.password = "Password is required";
} else if (password.length < 6) {
  formErrors.password = "Password must be at least 6 characters";
}

// 5. Confirm Password Match Validation
if (!confirmPass) {
  formErrors.confirmPass = "Confirm Password is required";
} else if (confirmPass !== password) {
  formErrors.confirmPass = "Passwords do not match";
}

setErrors(formErrors);

if (Object.keys(formErrors).length === 0) {
  alert("Form Submitted Successfully!");
  console.log({ name, email, phone, password });
}

};

return (
<div style={{ width: "300px", margin: "auto" }}>
<h2>Validation Form</h2>

<form onSubmit={handleSubmit}>

{/* Name */}
<input
```

```
type=&quot;text&quot;
placeholder=&quot;Enter Name&quot;
onChange={(e) =&gt; setName(e.target.value)}
/&gt;
&lt;p style={{ color: &quot;red&quot; }}&gt;{errors.name}&lt;/p&gt;

{/* Email */}
&lt;input
type=&quot;text&quot;
placeholder=&quot;Enter Email&quot;
onChange={(e) =&gt; setEmail(e.target.value)}
/&gt;
&lt;p style={{ color: &quot;red&quot; }}&gt;{errors.email}&lt;/p&gt;

{/* Phone */}
&lt;input
type=&quot;text&quot;
placeholder=&quot;Enter Phone (10 digits)&quot;
onChange={(e) =&gt; setPhone(e.target.value)}

/&gt;
&lt;p style={{ color: &quot;red&quot; }}&gt;{errors.phone}&lt;/p&gt;

{/* Password */}
&lt;input
type=&quot;password&quot;
placeholder=&quot;Enter Password&quot;
onChange={(e) =&gt; setPassword(e.target.value)}
/&gt;
&lt;p style={{ color: &quot;red&quot; }}&gt;{errors.password}&lt;/p&gt;

{/* Confirm Password */}
&lt;input
type=&quot;password&quot;
placeholder=&quot;Confirm Password&quot;
```

```
onChange={(e) => setConfirmPass(e.target.value)}
/>
<p style={{ color: "red" }}>{errors.confirmPass}</p>

<button type="submit">Submit</button>
</form>
</div>
);
}

export default Form;
```