

React Js Props Examples:-

Step 1: Install Node.js

React requires Node.js and npm (Node Package Manager).

1. Check if Node.js is installed:

```
node -v  
npm -v
```

2. If not installed, download and install from <https://nodejs.org>.
 - Make sure npm is installed along with Node.js.

Step 2: Create the React Project

You can create a new React project using **Vite** (modern and faster) or **Create React App**. I recommend Vite.

Using Vite:

```
npm create vite@latest react-form-app
```

- It will ask for a framework → choose **React**
- It will ask for a variant → choose **JavaScript**

As shown below

```
D:\react-warm-up>npm create vite@latest react-form-app  
  
> npx  
> create-vite react-form-app  
  
|  
o Select a framework:  
| React  
|  
o Select a variant:  
| JavaScript  
|  
o Install with npm and start now?  
| Yes  
|  
o Scaffolding project in D:\react-warm-up\react-form-app...  
|  
o Installing dependencies with npm...
```

Step 3: Set up project Structure

Your project should have this folder structure:

```
react-form-app/
├── index.html
├── package.json
├── src/
│   ├── main.jsx
│   ├── App.jsx          <-- your App code
│   └── components/
│       ├── UserForm.jsx
│       └── UserList.jsx
```

- Create a **components** folder inside `src` if it doesn't exist.
 - Move `UserForm.jsx` and `UserList.jsx` inside the `components` folder.
 - Replace the default `App.jsx` with your code.
-

Step 4: Update entry file

In Vite, the entry file is `main.jsx`. Make sure it looks like this:

```
import React from "react";
import ReactDOM from "react-dom/client";
import App from "./App";

ReactDOM.createRoot(document.getElementById("root")).render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);
```

In `index.html`, ensure there's a root div:

```
<div id="root"></div>
```

Step 5: Run the project

Start the development server:

npm run dev

- It will show a URL, usually `http://localhost:5173/`.
 - Open it in your browser, and you should see your **User Management App**.
-

Step 6: Test your app

1. Enter a user in the form (name, email, age).
 2. Click **Add User**.
 3. The user should appear in the user list below.
- Everything works as expected!

App.jsx file:-

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

import UserForm from "./components/UserForm";

import UserList from "./components/UserList";

function App() {

  const [users, setUsers] = useState([]);

  const addUser = (userData) => {
    setUsers([...users, userData]);
  };

  return (
    <div style={{ padding: "20px" }}>
      <h1>User Management App</h1>

      <UserForm onAddUser={addUser} />
      <UserList users={users} />
    </div>
  );
}

export default App;
```

components/UserForm.jsx :-

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

function UserForm({ onAddUser }) {

  const [formData, setFormData] = useState({

    name: "",

    email: "",

    age: ""

  });

  const handleChange = (e) => {

    const { name, value } = e.target;

    setFormData({

      ...formData,

      [name]: value

    });

  };

  const handleSubmit = (e) => {

    e.preventDefault();

    onAddUser(formData);
```

```
setFormData({
  name: "",
  email: "",
  age: ""
});
};
```

```
return (
  <form onSubmit={handleSubmit}>
    <h2>Add User</h2>

    <input
      type="text"
      name="name"
      placeholder="Enter Name"
      value={formData.name}
      onChange={handleChange}
    />

    <br /><br />

    <input
      type="email"
      name="email"
      placeholder="Enter Email"
```

```
    value={formData.email}
    onChange={handleChange}
  />

  <br /><br />

  <input
    type="number"
    name="age"
    placeholder="Enter Age"
    value={formData.age}
    onChange={handleChange}
  />

  <br /><br />

  <button type="submit">Add User</button>
</form>
);
}

export default UserForm;
```

components/UserList.jsx file :-

```
function UserList({ users }) {  
  return (  
    <div>  
      <h2>User List</h2>  
  
      {users.length === 0 ? (  
        <p>No users added</p>  
      ) : (  
        users.map((user, index) => (  
          <div key={index}>  
            <p><b>Name:</b>{user.name}</p>  
            <p><b>Email:</b>{user.email}</p>  
            <p><b>Age:</b> {user.age}</p>  
            <hr />  
          </div>  
        ))  
      )}  
    </div>  
  );  
}
```

export default UserList;

User Management App

Add User

Enter Name

Enter Email

Enter Age

User List

Name: om sir ji
Email: omsir@gmail.com
Age: 26

Name: ramji
Email: ramji@gmail.com
Age: 35

Activate Windows
Go to Settings to activate Windows.