

React JS step by step Guide to Design a Website with Bootstrap:-

First of all download nodejs from

<https://nodejs.org/en/download/>

after downloading you will see setup file click on it will install nodejs. After it open your command prompt

Create folder reactlearn and

Go to reactlearn folder and

Type command :-

`npm install react react-dom`

As shown below:-

```
D:\>mkdir reactlearn
D:\>cd reactleran
The system cannot find the path specified.
D:\>cd reactlearn
D:\reactlearn>npm install react react-dom
added 5 packages in 2s
```

And to create project folder **my-react-app**:-

```
D:\reactlearn>npx create-react-app my-react-app
Need to install the following packages:
```

(in above [npx](#) is a package runner tool that comes with npm 5.2+ and higher)

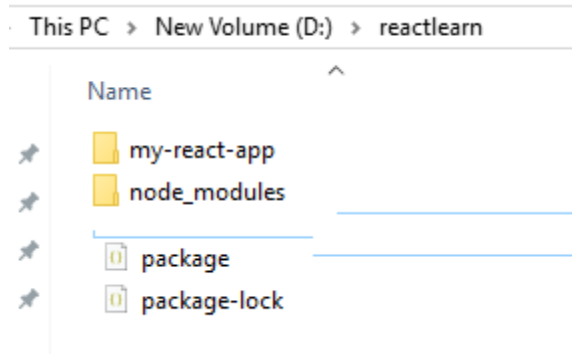
Or we can use npm

to create project folder **my-react-app**:-

`npm init react-app my-react-app`

npm init <initializer> is available in npm 6+

After it you will see project folder structure like this as shown below:-



Add React Router To add React Router in your application, run this command

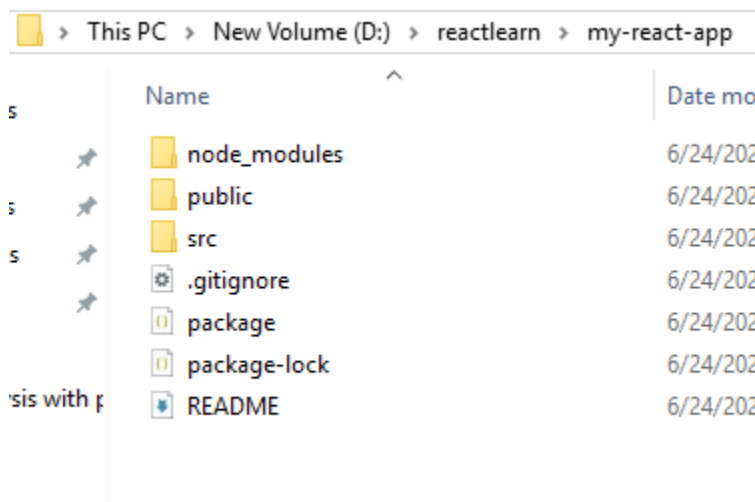
```
npm i -D react-router-dom
```

in the terminal from the root directory of the application.

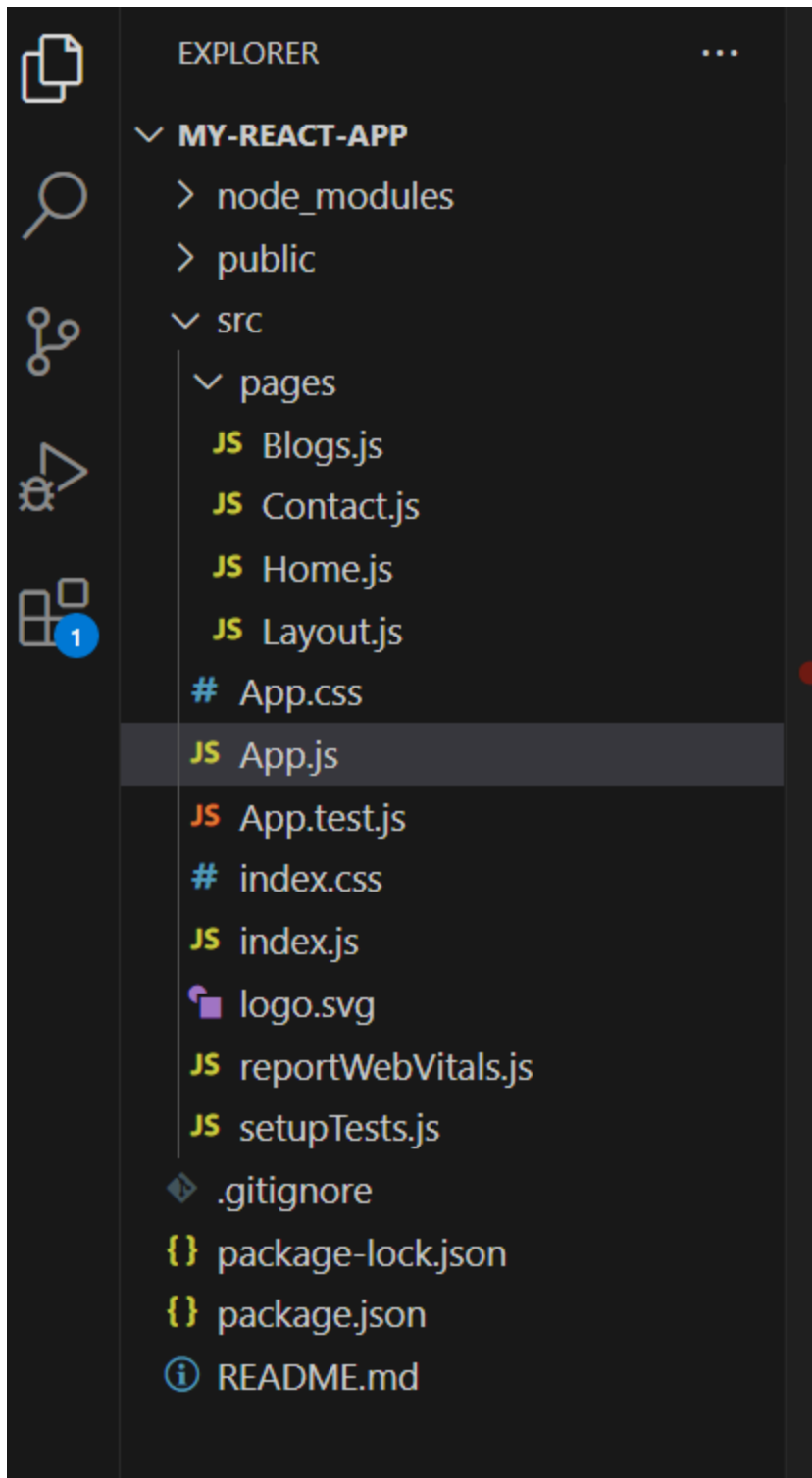
```
D:\reactlearn\my-react-app> npm i -D react-router-dom
```

Install bootstrap to use in project use following command as shown below:-

```
D:\reactlearn\my-react-app> npm install bootstrap
```



Now open project folder and inside your **src** folder and inside that you will see App.js and index.js :-



App.js file:-

```
import logo from './logo.svg';
import './App.css';
import { BrowserRouter, Routes, Route } from "react-router-dom";
import Layout from "./pages/Layout";
import Home from "./pages/Home";
import Blogs from "./pages/Blogs";
import Contact from "./pages/Contact";
import 'bootstrap/dist/css/bootstrap.min.css';

function App() {
  return (
    <>
    <BrowserRouter>
    <Routes>
    <Route path="/" element={<Layout />} />
    <Route index element={<Home />} />
    <Route path="blogs" element={<Blogs />} />
    <Route path="contact" element={<Contact />} />
    </Route>
    </Routes>
    </BrowserRouter>
    </>
  );
}

export default App;
```

And Open index.js file :-

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import './index.css';
import App from './App';
import reportWebVitals from './reportWebVitals';

const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
    <App />
  </React.StrictMode>
);

// If you want to start measuring performance in your app, pass a function
// to log results (for example: reportWebVitals(console.log))
// or send to an analytics endpoint. Learn more: https://bit.ly/CRA-vitals
reportWebVitals();
```

Blog.js file under pages folder :-

```
const Blogs = () => {
  return (<<h1>Blog Articles</h1>
    <h2> om sir blog </h2>
    </>);
};
export default Blogs;
```

Contact.js file under pages folder:-

```
const Contact = () => {
  return <h1>Contact Me</h1>;
};
export default Contact;
```

Home.js file (using class component) under pages folder:-

```
import React from 'react'
class Home extends React.Component
{
  render() {
    return (
      <>
        <h1>Which page it is ?</h1>
        <p>this is blog H0me page</p>
      </>
    );
  }
}
export default Home
```

Layout.js file under pages folder:-

```
import { Outlet, Link } from "react-router-dom";
const Layout = () => {
  return (
    <>
      <nav >
        <ul className="nav nav-tabs">
          <li className="nav-item">
            <Link to="/" className="nav-link active">Home</Link>
          </li>
          <li className="nav-item">
            <Link to="/blogs" className="nav-link">Blogs</Link>
          </li>
          <li className="nav-item">
            <Link to="/contact" className="nav-link">Contact</Link>
          </li>
        </ul>
      </nav>
      <Outlet />
    </>
  );
};
export default Layout;
```

Finally run output use command `npm start`

:-

```
D:\reactlearn>cd my-react-app
D:\reactlearn\my-react-app>npm start
> my-react-app@0.1.0 start
> react-scripts start
Compiled successfully!
You can now view my-react-app in the browser.
Local:          http://localhost:3000
On Your Network: http://192.168.1.25:3000
```

Output:-

