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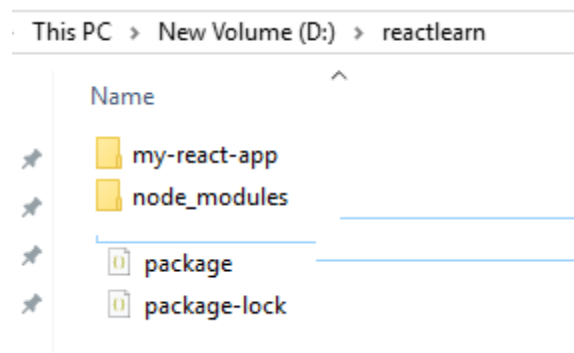
And to create project folder   **my-react-app**:-

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

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

This PC  >  New Volume (D:)  >  reactlearn

Name

📁 my-react-app
📁 node_modules
📄 package
📄 package-lock

Add React Router To add React Router in your application, run this command
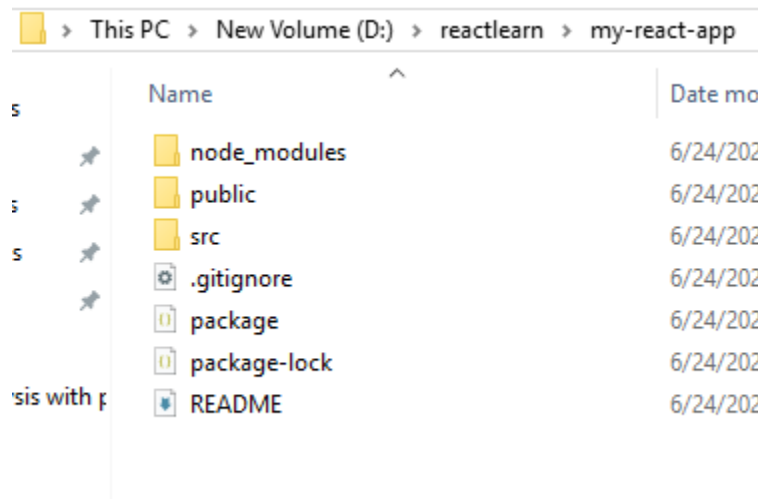
npm i -D react-router-dom

in the terminal from the root directory of the application.

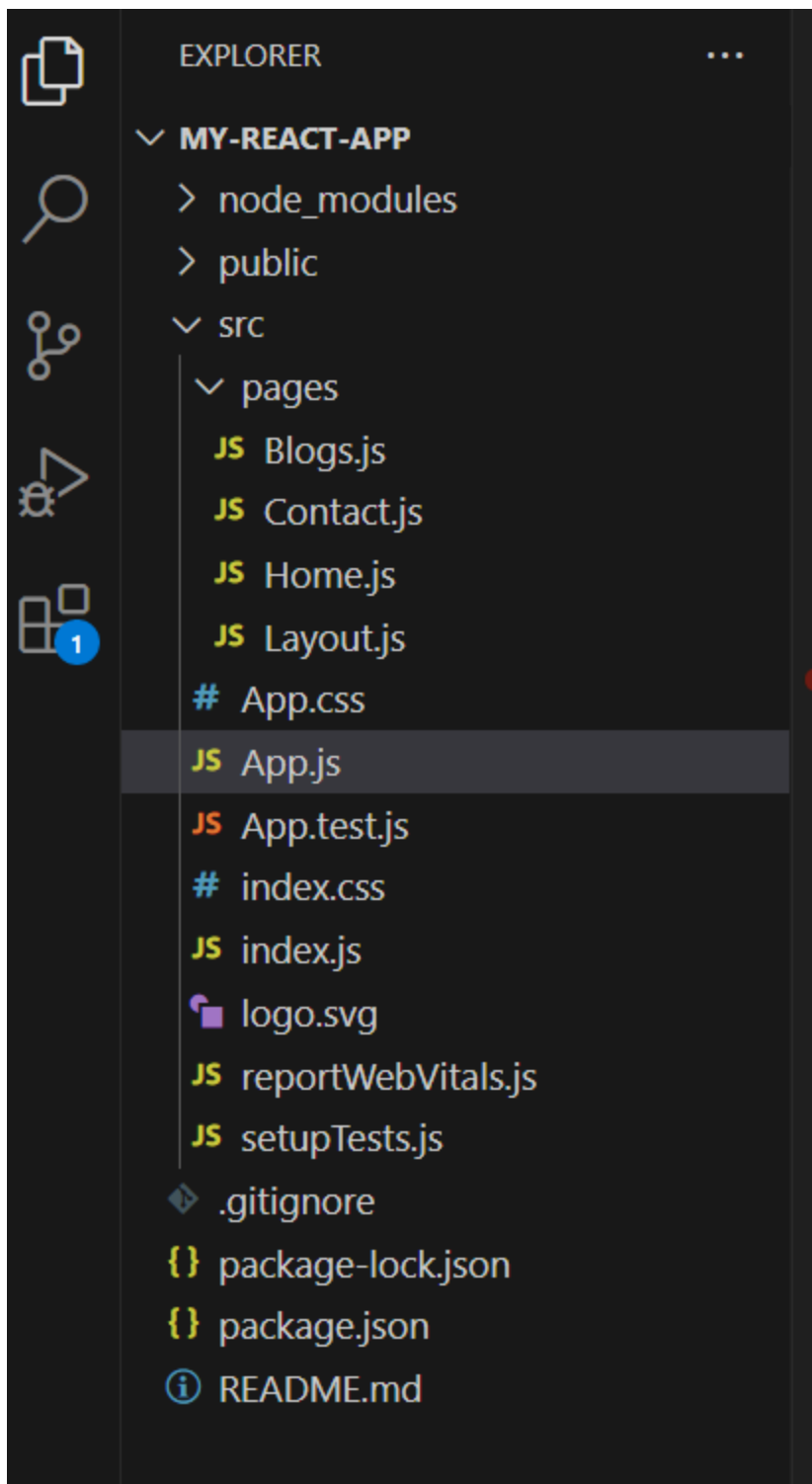D:\reactlearn\my-react-app> npm i -D react-router-dom

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

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

> This PC > New Volume (D:) > reactlearn > my-react-app

| Name | Date mo |
| --- | --- |
| node_modules | 6/24/202 |
| public | 6/24/202 |
| src | 6/24/202 |
| .gitignore | 6/24/202 |
| package | 6/24/202 |
| package-lock | 6/24/202 |
| README | 6/24/202 |

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

EXPLORER                                    ...

∨ **MY-REACT-APP**
  > node_modules
  > public
  ∨ src
    ∨ pages
      JS Blogs.js
      JS Contact.js
      JS Home.js
      JS Layout.js
    # App.css
    JS App.js
    JS App.test.js
    # index.css
    JS index.js
    logo.svg
    JS reportWebVitals.js
    JS setupTests.js
  .gitignore
  {} package-lock.json
  {} package.json
  ⓘ README.md

**App.js file:-**

```jsx
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:-

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

Layout.js file   under pages folder:-

```js
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:-

← → C ⓘ localhost:3000/contact

Home   Blogs   Contact

# Contact Me