



Below is a **complete, beginner-friendly, step-by-step guide** to create a React app with **React Router, Header, Footer, and the Home / About / Contact** pages.

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# COMPLETE STEP-BY-STEP GUIDE (WITH BOOTSTRAP)

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## Step 1 — Install Node.js

Download and install Node.js:

<https://nodejs.org/>

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## □ Step 2 — Create a New React App

OPEN YOUR COMMAND PROMPT AND TYPE FOLLOWING COMMANDS TO CREATE **my-app** PROJECT FOLDER:-

```
npx create-react-app my-app  
cd my-app
```

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## □ Step 3 — Install React Router

```
npm install react-router-dom
```

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## □ Step 4 — Install Bootstrap

```
npm install bootstrap
```

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## □ Step 5 — Import Bootstrap in `index.js`

Open: `src/index.js`

Add this line:

```
import 'bootstrap/dist/css/bootstrap.min.css';
```

Your `index.js` file should look like:

```
import React from 'react';
```

```
import ReactDOM from 'react-dom/client';
```

```
import './index.css';
```

```
import App from './App';
```

```
import reportWebVitals from './reportWebVitals';
```

```
import 'bootstrap/dist/css/bootstrap.min.css';
```

## □ Step 4 — Create Folder Structure

Inside `src/` create the following folders:

```
src
├── components
│   ├── Header.js
│   └── Footer.js
├── pages
│   ├── Home.js
│   ├── About.js
│   └── Contact.js
└── App.js
```

---

## □ Step 5 — Create Header Component

`src/components/Header.js`

```
import React from 'react' ;
import { Link } from 'react-router-dom' ;
function Header () {
return (
<div>
<nav>
<ul className="nav">
<li className="nav-item">
<Link to ="/" className="nav-link active">Home</Link>
</li>
<li className="nav-item">
<Link to ="/about" className="nav-link">About</Link>
</li>
<li className="nav-item">
<Link to ="/contact" className="nav-link">Contact</Link>
</li>
</ul>
</nav>
</div>

);
}
export default Header;
```

---

## □ Step 6 — Create Footer Component

src/components/Footer.js

```
import React from 'react' ;
const Footer = () => {
  return (
    <div className="container">
      <div className="row">

        <div className="col-md-4 bg-info">column1
        </div>
        <div className="col-md-4 bg-success">column2
        </div>
        <div className="col-md-4 bg-danger">column3
        </div>

      </div>

    </div>

  );
};
export default Footer;
```

## □ Step 7 — Create Pages

**src/pages/Home.js**

```
import React from 'react' ;

const Home = () => {

  return (

    <div>

      <h1 class="text-center">it is the home page </h1>

    </div>

  );

};

export default Home;
```

### **src/pages/About.js**

```
import React from 'react' ;

const About = () => {

return (

<div>

<h1> This is the About page </h1>

</div>

);

};

export default About;
```

### **src/pages/Contact.js**

```
import React from 'react' ;

const Contact = () => {

return (

<div>

<h1 className="text-center">This is the contact page </h1>

<p> main home page </p>

</div>
```

```
);  
  
};  
  
export default Contact;
```

## □ Step 8 — App.js

src/App.js

```
import React from 'react';  
import { BrowserRouter as Router, Routes, Route } from 'react-router-dom';  
import Header from './components/Header';  
import Footer from './components/Footer';  
import Home from './pages/Home';  
import About from './pages/About';  
import Contact from './pages/Contact';  
  
function App() {  
  return (  
    <div className="container">  
      <h1>Main App</h1>  
      <Router>  
  
        <Header />  
  
        <Routes>  
          <Route path="/" element={<Home />} />  
          <Route path="/about" element={<About />} />  
          <Route path="/contact" element={<Contact />} />  
        </Routes>  
  
        <Footer />  
  
      </Router>  
    </div>  
  );  
}  
  
export default App;
```

## Step 9 — Start the App

Run:

```
npm start
```

Your app will open at:

```
http://localhost:3000
```

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### **You're Done!**

You now have:

- ✓ React App
- ✓ React Router setup
- ✓ Header & Footer
- ✓ Home / About / Contact pages
- ✓ Working navigation

