Bootstrap and React router dom

To add Bootstrap to your React project and set up Hash-Router, follow these steps:

Directory Structure Example: Assuming your project looks like this:

```
project/
├── public/
│   └── static/
│       ├── image.jpg
│       ├── file.txt
├── src/
│   │   ├── assets/
│   │   ├── components/
│   │   ├── pages/
│   │   ├── styles/
│   ├── App.jsx
│   └── main.jsx
├── vite.config.js
└── package.json
```

Steps:

1. **Install Bootstrap**: Use `npm install bootstrap` .
2. **Import Bootstrap CSS**: Add the import statement in your entry file.
3. **Install React Router**: Use `npm install react-router-dom` .
4. **Set Up HashRouter**: Configure HashRouter in your main application file.
5. **Add Bootstrap Components**: Create components using Bootstrap, such as `NavBar` .

Step 1: Install Bootstrap

You can install Bootstrap via npm to use it in your React project:

```
npm install bootstrap
```

Step 2: Import Bootstrap CSS

Import Bootstrap's CSS file into your `src/index.jsx` (or `src/main.jsx` if using Vite) file:

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

Step 3: Install React Router

If you haven't installed React Router yet, do so:

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

Step 4: Set Up HashRouter

You need to use `HashRouter` for hash-based URLs. Import `HashRouter` from `react-router-dom` and set it up in your main application file.

src/main.jsx

```jsx
import { StrictMode } from 'react';
import { createRoot } from 'react-dom/client';
// importing HashRouter
import { HashRouter } from 'react-router-dom';  // Changed from
BrowserRouter to HashRouter
// importing Bootstrap
import 'bootstrap/dist/css/bootstrap.min.css';
import 'bootstrap/dist/js/bootstrap.bundle.min.js';
// importing css 'index.css'
import './styles/index.css';
// importing App.jsx
import App from './App.jsx';

createRoot(document.getElementById('root')).render(
  <StrictMode>
    <HashRouter>  {/* Changed from BrowserRouter to HashRouter */}
      <App />
    </HashRouter>
  </StrictMode>
);
```

src/App.jsx

```jsx
import React from 'react';
// importing 'react-router-dom' to use
```

```jsx
import { Routes, Route, Navigate } from 'react-router-dom';
// importing css 'App.css'
import './styles/App.css';

// Components
// import NavBar from './components/NavBar.jsx';
// import Footer from './components/Footer.jsx';

// Website Pages
import HomePage from './pages/HomePage.jsx';
import NotFound from './pages/NotFound.jsx';


function App() {
    return (
            <>
                {/* This part is navbar */}
            {/* <NavBar /> */}

                {/* This part will change based on the Route path */}
                <main className='main-content'>
                    <Routes>
                        {/* Other routes */}
                        <Route path="/" element={<Navigate to="/home"
 />} />

                        <Route path="/home" element={<HomePage />} />

                        {/* Catch-all route for undefined paths */}
                        <Route path="*" element={<NotFound />} />
                    </Routes>
                </main>

                {/* This part is footer */}
            {/* <Footer /> */}
            </>
    );
}

export default App;
```

src/pages/HomePage.jsx

```jsx
// importing css 'HomePage.css'
import '../styles/HomePage.css';
```

```
function HomePage() {

    return (
        <div className='container'>
            <h1>BlindWings</h1>
            <p>Hello, World!</p>
        </div>
    );
}

export default HomePage;
```

src/pages/NotFound.jsx

```
// src/pages/NotFound.jsx
import React from 'react';

function NotFound() {
    return (
        <div className='container'>
            <h1>404 - Page Not Found</h1>
            <p>The page you are looking for doesn't exist.</p>
        </div>
    );
};

export default NotFound;
```