

## Experiment: 7

**Aim:** Implement React Routing for navigating 5 different webpages. Design a responsive navbar in ReactJS by using media queries, Material-UI/React-Bootstrap..

1. Install react-router-dom package for routing using the command: **npm i reactrouter-dom.**

```
D:\PDEU\SEM 6\WEB TECH LAB\21BIT269D\LAB 6\lab6>npm i react-router-dom
up to date, audited 1603 packages in 4s

267 packages are looking for funding
  run `npm fund` for details

10 vulnerabilities (3 moderate, 7 high)
```

2. Create a folder named component in src folder and add 4 different files given below with their respective folders.

Different files in the component folder:

- About.js
- Contact.js
- Profile.js
- PNF.js

3. Edit the function App () and return <BrowserRouter> which contains <Routes> tag that contains **Route Path = '/path of the component'** and **element = 'component of the given path'**.

```

src > JS Appjs > App
1  import './App.css';
2  import Hello1 from './Components/Hello1';
3  import Hello2 from './Components/Hello2';
4  import Props from './Components/Props';
5  import Propchild from './Components/Propchild';
6  import About from './Components/About/About';
7  import Contact from './Components/Contact/Contact';
8  import Home from './Components/Home/Home';
9  import Profile from './Components/Profile/Profile';
10 import NavBar from './Components/Navbar/Navbar';
11 import { Routes, Route } from 'react-router-dom';
12 import Message from './Components/Message';
13 tabnine: test|explain|document|ask
14 function App() {
15   return (
16     <div className="App">
17       /* <p>well ello there mate!!</p> */
18       /* <Hello1 />
19       <Hello2 />
20       <Props name = "Emily"/>
21       <Propchild name = "Rege Jean Page" name1 = "
22       | <Propchild/>*/
23       <NavBar />
24       // <Message message = "Welcome to app"/>
25     )
26   }
27
28   <Routes>
29     <Route path="/" element={<Home />} />
30
src > JS Appjs > App
13 function App() {
14   return (
15     <div className="App">
16       /* <p>well ello there mate!!</p> */
17       /* <Hello1 />
18       <Hello2 />
19       <Props name = "Emily"/>
20       <Propchild name = "Rege Jean Page" name1 = "
21       | <Propchild/>*/
22       <NavBar />
23       // <Message message = "Welcome to app"/>
24     )
25   }
26
27   <Routes>
28     <Route path="/" element={<Home />} />
29     <Route path="/About" element={<About />} />
30     <Route path="/Contact" element={<Contact />} />
31     <Route path="/Profile" element={<Profile />} />
32     <Route path="/NavBar" element={<NavBar />} />
33   </Routes>
34 </div>
35 );
36 }
37
38 export default App;

```

## Output:

### Navigation Bar

[Home](#)  
[About](#)  
[Contact](#)

About

### Contact Page

- 
- 
- 

[Home](#)  
[About](#)  
[Contact](#)

Contact