# 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) In components folder, create subfolders for each navbar item and add a Navbar folder too.

| Name | Date modified |
|---|---|
| About | 29-03-2024 11:37 AM |
| Contact | 29-03-2024 11:37 AM |
| Home | 29-03-2024 11:37 AM |
| Navbar | 18-04-2024 05:28 PM |
| Portfolio | 18-04-2024 05:41 PM |
| Products | 18-04-2024 05:52 PM |

2) In each folder make a JS file of the same name

```
src > Components > About > JS About.js > ...
1    // first line of these both JS files will be - import React from "react";
2    import React from "react";
3
4    const About = (props) => {
5        return (
6            <div style={{ textAlign: 'center', paddingTop: '20px', fontSize: 'larger',
                 fontWeight: 'bold' }}>
7                This is the About page
8            </div>
9        );
10   }
11
12
13   // remember to export
14   export default About
```

3) Link all the folders to *Navbar.js* file in the Navbar folder

```
src > Components > Navbar > JS Navbar.js > ...
1    import { Link } from 'react-router-dom';
2    import React from "react";
3    import './Navbar.css'; // Import CSS file for styling
4
5    function Navbar() {
6        return (
7            <nav>
8                <ul className="navbar-list">
9                    <li> <Link to="/home">Home</Link> </li>
10                   <li> <Link to="/about">About</Link> </li>
11                   <li> <Link to="/contact">Contact</Link> </li>
12                   <li> <Link to="/portfolio">Portfolio</Link> </li>
13                   <li> <Link to="/products">Products</Link> </li>
14               </ul>
15           </nav>
16       );
17   }
18   export default Navbar;
```

4) Give CSS to navbar (optional)

```css
# Navbar.css U ×

src > Components > Navbar > # Navbar.css > ...
1       .navbar-list {
2           list-style-type: none;
3           padding: 0;
4           margin: 0;
5           display: flex;
6           justify-content: center;
7       }
8
9       .navbar-list li {
10          margin-right: 20px;
11      }
12
13      .navbar-list li:last-child {
14          margin-right: 0;
15      }
16
17      nav{
18          font-size: larger;
19          font-style: italic;
20          color: ▢orange;
21          font-weight: bolder;
22      }
```

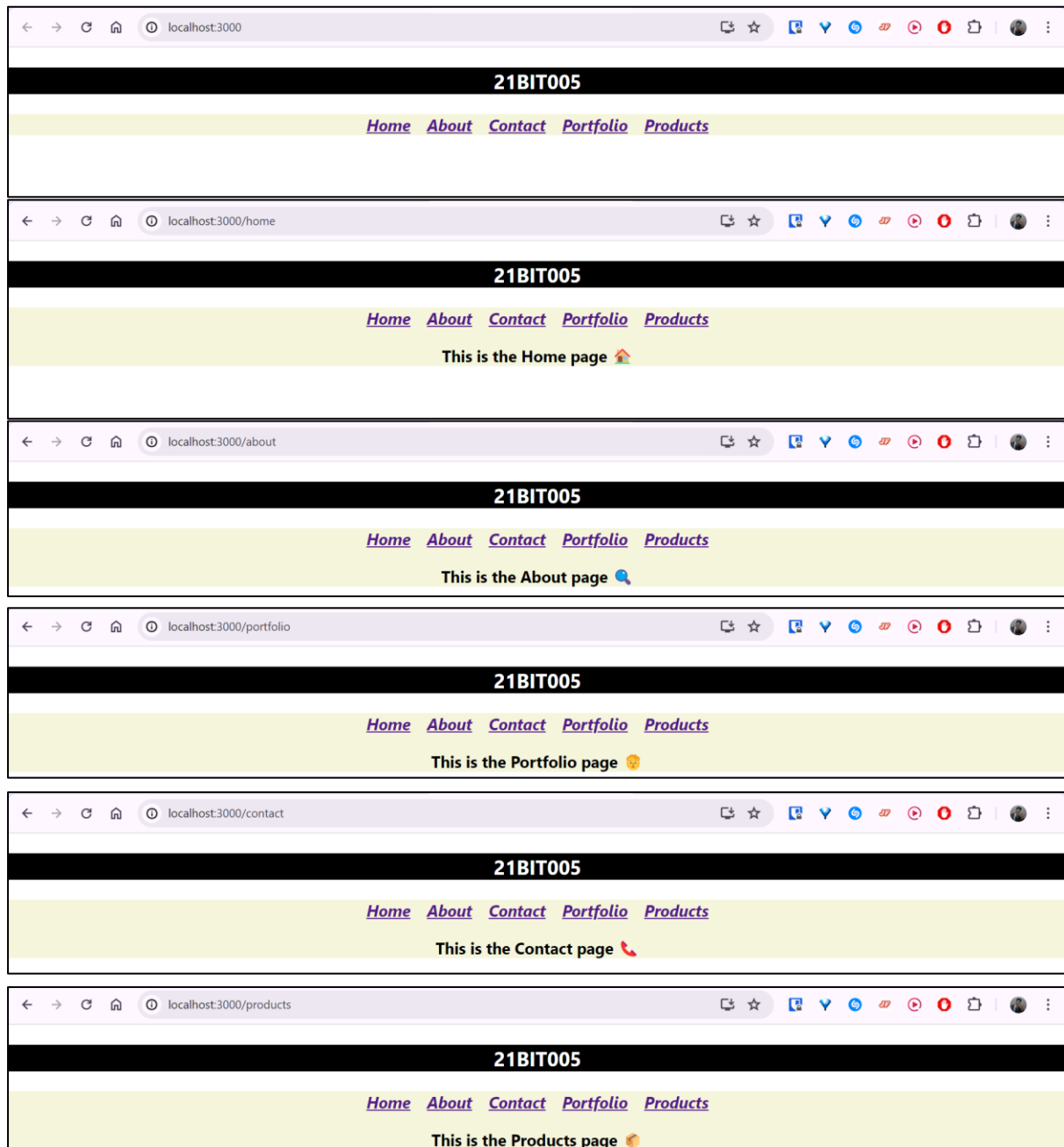That was all for the Components Folder, now coming to the *App.js* file

5) Router the links in the App.js file using ***react-router-dom***

```javascript
JS App.js 1, M ×

src > JS App.js > ...
1   import logo from "./logo.svg";
2   import "./App.css";
3   import { Routes, Route } from "react-router-dom";
4   import Home from "./Components/Home/Home";
5   import Contact from "./Components/Contact/Contact";
6   import About from "./Components/About/About";
7   import Navbar from "./Components/Navbar/Navbar";
8   import Portfolio from "./Components/Portfolio/Portfolio";
9   import Products from "./Components/Products/Products";
10
11  function App() {
12    return (
13      <div>
14        <p class="title">21BIT005</p>
15
16        <div class="navbar">
17          <header>
18            <Navbar />
19          </header>
20
21          <Routes>
22            <Route path="/home" element={<Home />} />
23            <Route path="/contact" element={<Contact />} />
24            <Route path="/about" element={<About />} />
25            <Route path="/portfolio" element={<Portfolio />} />
26            <Route path="/products" element={<Products />} />
27            {/* <Route path="/navbar" element={<Navbar />} /> */}
28          </Routes>
29        </div>
30      </div>
31    );
32  }
33
34  export default App;
```

*App.css* (optional)

```css
# App.css M ×

src > # App.css > ...
39
40    .title {
41      background-color: ■black;
42      color: ▢white;
43      text-align: center;
44      font-size: 20px;
45      font-weight: bold;
46      font-size: x-large;
47    }
48
49    .navbar{
50      background-color: ▢beige;
51      justify-content: center;
52    }
```

**Output**



Discussions: We learned to implement React Routing for seamless navigation across multiple web pages. Additionally, we explored designing a responsive navbar in ReactJS using media queries and React-Bootstrap for enhanced user experience.