

Experiment 9

Design a React application that demonstrates the implementation of routing using the react-router-dom library. The application should include the Navigation Menu: Create a navigation bar with links to three distinct pages, Home, About, Contact. Develop separate components for each page (Home, About, and Contact) with appropriate content to differentiate them. Configure routes using react-router-dom to render the corresponding page component based on the selected link. Use BrowserRouter and Route components for routing. Highlight the active link in the navigation menu to indicate the current page

Step1:

install react-router-dom using the command:

npm install react-router-dom

Then execute the following components

App.js

```
import React from 'react';

import { BrowserRouter as Router, Route, Routes } from 'react-router-dom';

import Navbar from './components/Navbar';

import Home from './components/Home';

import About from './components/About';

import Contact from './components/Contact';

const App = () => {

  return (
```

```
<Router>
<div>
<Navbar />
<div className="content">
<Routes>
<Route path="/" element={<Home />} />
<Route path="/about" element={<About />} />
<Route path="/contact" element={<Contact />} />
</Routes>
</div>
</div>
</Router>
);
};
export default App;
```

About.js

```
import React from 'react';
const About = () => {
return (
<div>
<h1>About Us</h1>
<p>This is the About page, where we tell you about our app.</p>
</div>
```

```
);  
};  
export default About;
```

Contact.js

```
import React from 'react';  
const Contact = () => {  
  return (  
    <div>  
      <h1>Contact Us</h1>  
      <p>This is the Contact page. Feel free to reach out to us!</p>  
    </div>  
  );  
};  
export default Contact;
```

Home.js

```
import React from 'react';  
const Home = () => {  
  return (  
    <div>  
      <h1>Welcome to the Home Page!</h1>  
      <p>This is the home page of our simple React application.</p>  
    </div>  
  );  
};
```

```
);  
};  
export default Home;
```

Navbar.js

```
import React from 'react';  
import { NavLink } from 'react-router-dom';  
const Navbar = () => {  
  return (  
    <nav>  
      <ul>  
        <li>  
          <NavLink to="/" exact activeClassName="active">  
            Home  
          </NavLink>  
        </li>  
        <li>  
          <NavLink to="/about" activeClassName="active">  
            About  
          </NavLink>  
        </li>  
        <li>  
          <NavLink to="/contact" activeClassName="active">  
            Contact
```

```
</NavLink>
```

```
</li>
```

```
</ul>
```

```
</nav>
```

```
);
```

```
};
```

```
export default Navbar;
```