Children prop (Concept of Composition), Organizing Component Files, React Router ... - In Class

Adding Navigation to React App:

HTML Code:

```
<html>


<head>
        <script type="text/javascript" src="app1.js">
        </script>
</head>


<body>
<div>
  <h1>React Router Example</h1>
  <ul role="nav">
   <li><Link to="/client">Client Side</Link></li>
   <li><Link to="/server">Server Side</Link></li>
  </ul>


  <div>
   <Route path='/client' component={Client} />
   <Route path='/server' component={Server} />
  </div>
 </div>
</body>
```

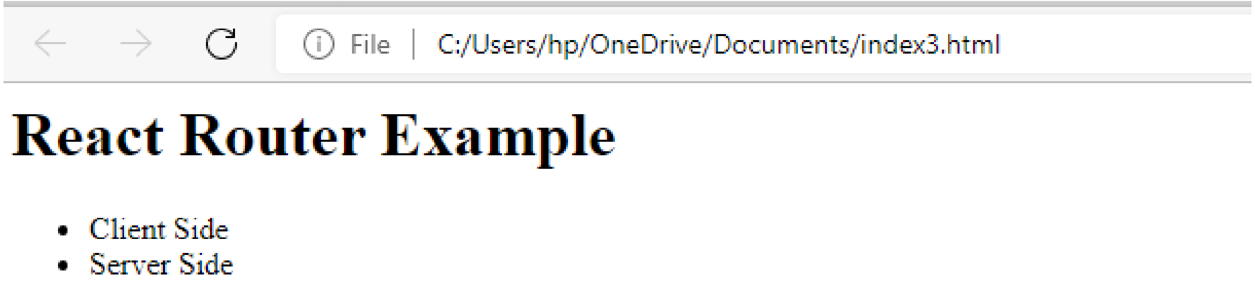
```
</html>
```

JavaScript Code:

```
const {
  BrowserRouter,
  Route,
  Link
} = ReactRouterDOM

// Set up pages using the React Router Link element for navigation - instead of <a></a>
const App = () => (
  <div>
    <h1>React Router Example</h1>
    <ul role="nav">
      <li><Link to="/client">Client Side</Link></li>
      <li><Link to="/server">Server Side</Link></li>
    </ul>

    <div>
      <Route path='/client' component={Client} />
      <Route path='/server' component={Server} />
    </div>
  </div>
)
```

```
// Populate sample pages.

const Client= () => <h3>What is client side?<body><li>Browser</li><li>Runs on local machine</li><li>React renders user interface</li><li>React Router adds clickable links</li></body></h3>


const Server= () => <h3>What is server side?<li>node.js - JavaScript everywhere!</li></h3>


//Render app into the root HTML DOM node

ReactDOM.render((

 <BrowserRouter>

  <App/>

 </BrowserRouter>

), document.getElementById('root'));
```

Output:



React Router Example

- Client Side
- Server Side