

6 - React Router

Libraries: import **'react-router-dom'** also install **'react-router'**

Why Router ?

Single-page applications (SPAs) rewrite sections of a page rather than loading entire new pages from a server.

BrowserRouter

The wrapper that gives us access to the HTML history and routes. Browser Router should have only one child, so everything should be another wrapper inside it.

Fragment

Part of the React Library, Fragment is a container that doesn't create a DOM tag, we can use it when we need to wrap anything but we want a cleaner html.

Switch

As the name suggests it is the component that switches the components depending on the route, it must be inside a Router and can contain several routes.

Redirects

Redirects from the actual route to another when it is rendered. Uses the props "to" and "from".

Route

Wrapper that will control when does the component renders depending on the browser's path.

- Path(String): Relative path

```
Ex: "/welcome" => "http://localhost:3000/welcome"
```

- Component(Object): Referents of a component that we want to render. It mounts the component each time.

```
Ex: component={Welcome}
```

- Render(Function): Receives a method that returns a component. It doesn't re-mounts the component. Between other things, used on components with props.

```
Ex: render={_ => }
```

- exact(Boolean): Does the route needs to be exact to render ?

```
Ex: /index !== /index/all
```

- sensitive(Boolean): Does the route is case sensitive ?

```
/index !== /Index
```

In out app: [NavbarDisplay](#)

```
class App extends Component {
  render() {
    return (
      <BrowserRouter>
        <Fragment>
          <Navbar/>
          <main className="wrapper">
            <Switch>
              <Redirect exact from="/" to="/welcome" />
              <Route exact path="/welcome"
                render={_ => <Welcome name={this.state.name} image=
{this.state.image} />} />
            </Switch>
          </main>
          <Footer />
        </Fragment>
      </BrowserRouter>
    );
  }
}
```

Read More:

- [React Router Route](#)

Bonus: The react router route is extense, if you have time give it a look.

- [All React Router](#)

<< return