Globant

we are ready

UI Engineering Studio. Day 13

Bootcamp: React

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React

is a declarative, efficient, and flexible
JavaScript library for building user
interfaces. It lets you compose complex
UIs from small and isolated pieces of code
called "components"

– https://reactjs.org

SPA

Routing

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SPA: Single Page Application

"Web application or web site that interacts with the user by dynamically rewriting the current page rather than loading entire new pages from a server. This approach avoids interruption of the user experience between successive pages, making the application behave more like a desktop application. In an SPA, either all necessary code – HTML, JavaScript, and CSS – is retrieved with a single page load, or the appropriate resources are dynamically loaded and added to the page as necessary, usually in response to user actions. The page does not reload at any point in the process, nor does control transfer to another page…"

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Routing: React Router

Declarative Routing for React

Static Routing vs Dynamic Routing

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Routing: React Router - Step by step

1. Grab yourself a Router component for the environment you're targeting and render it at the top of your app

```
// react-dom (what we'll use here)
import { BrowserRouter } from 'react-router-dom'
```

```
ReactDOM.render((
  <BrowserRouter>
    <App/>
  </BrowserRouter>
), el)
```

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Routing: React Router - Step by step

2. Grab the link component to link to a new location:

```
const App = () => (
  <div>
    <nav>
      <Link to="/dashboard">Dashboard</Link>
    </nav>
  </div>
)
```

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Routing: React Router - Step by step

3. Render a Route to show some UI when the user visits /dashboard.

```
const App = () => (
  <div>
    <nav>
      <Link to="/dashboard">Dashboard</Link>
    </nav>
    <div>
      <Route path="/dashboard" component={Dashboard}/>
    </div>
  </div>
)
```

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Routing: React Router

https://codepen.io/LeHoangNguyen/pen/ejzYzx?page=1&

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Homework!

We're going to continue with the TODO list.

- Let's implement React Router :D