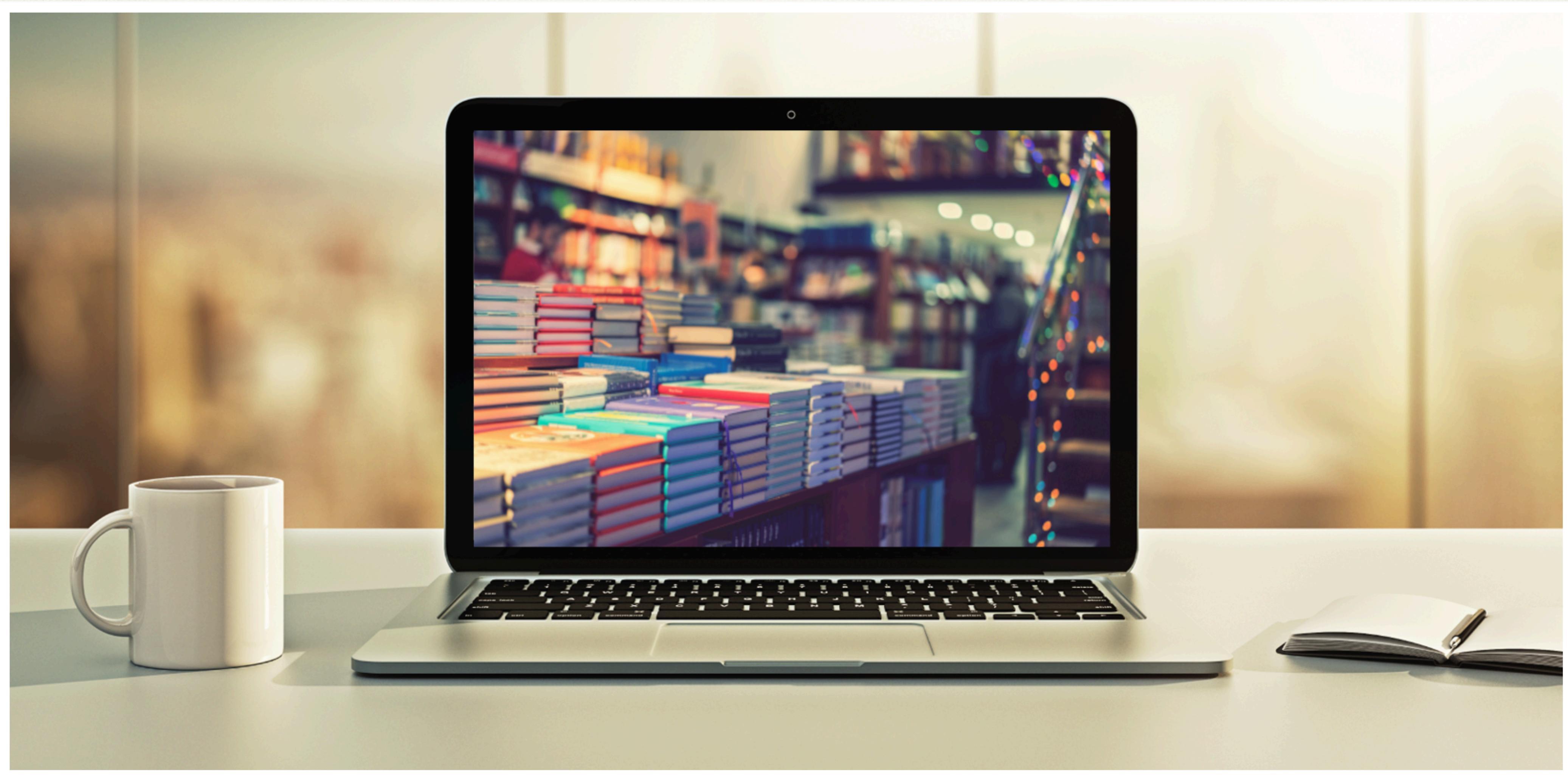
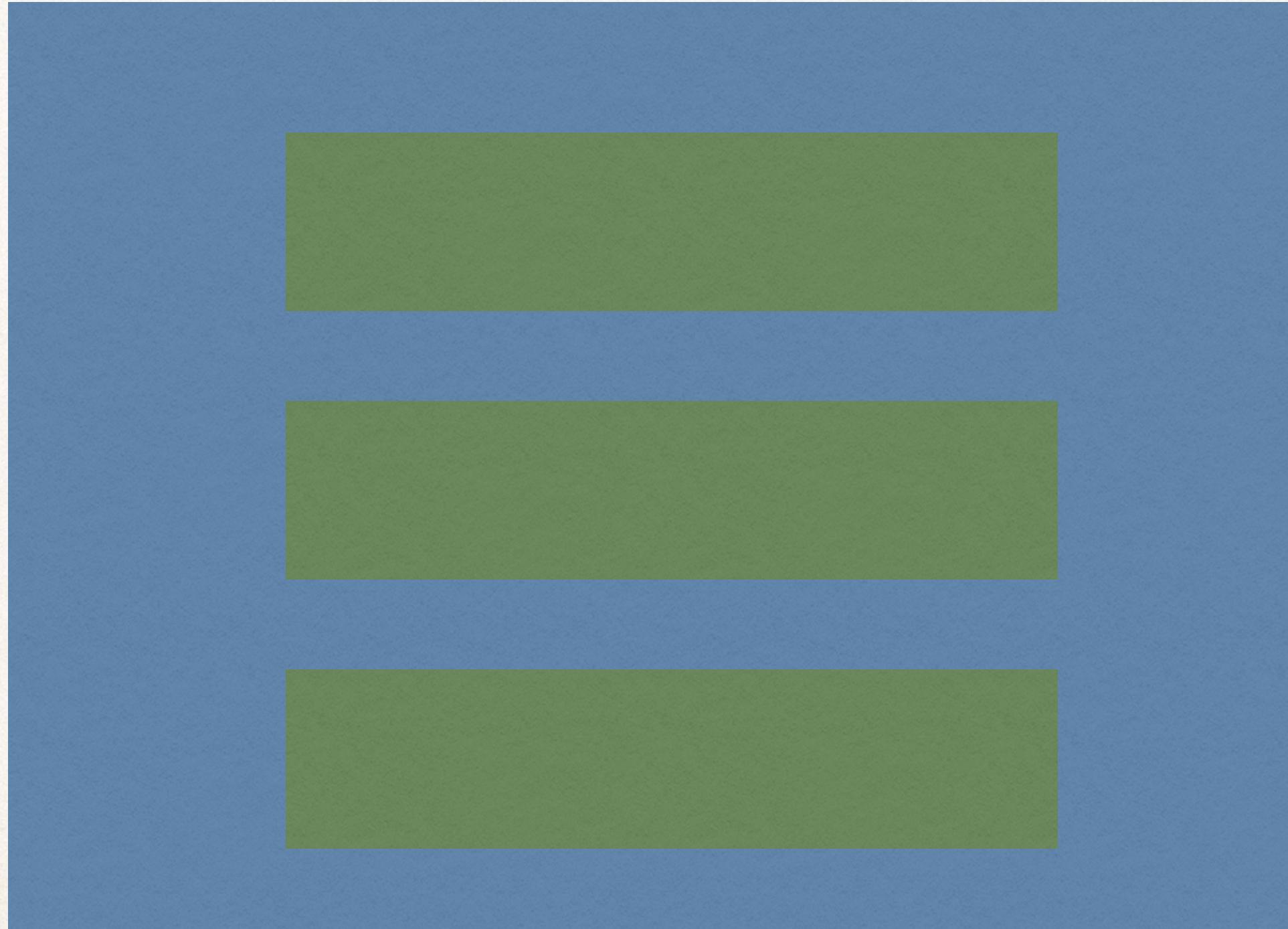


React Routing



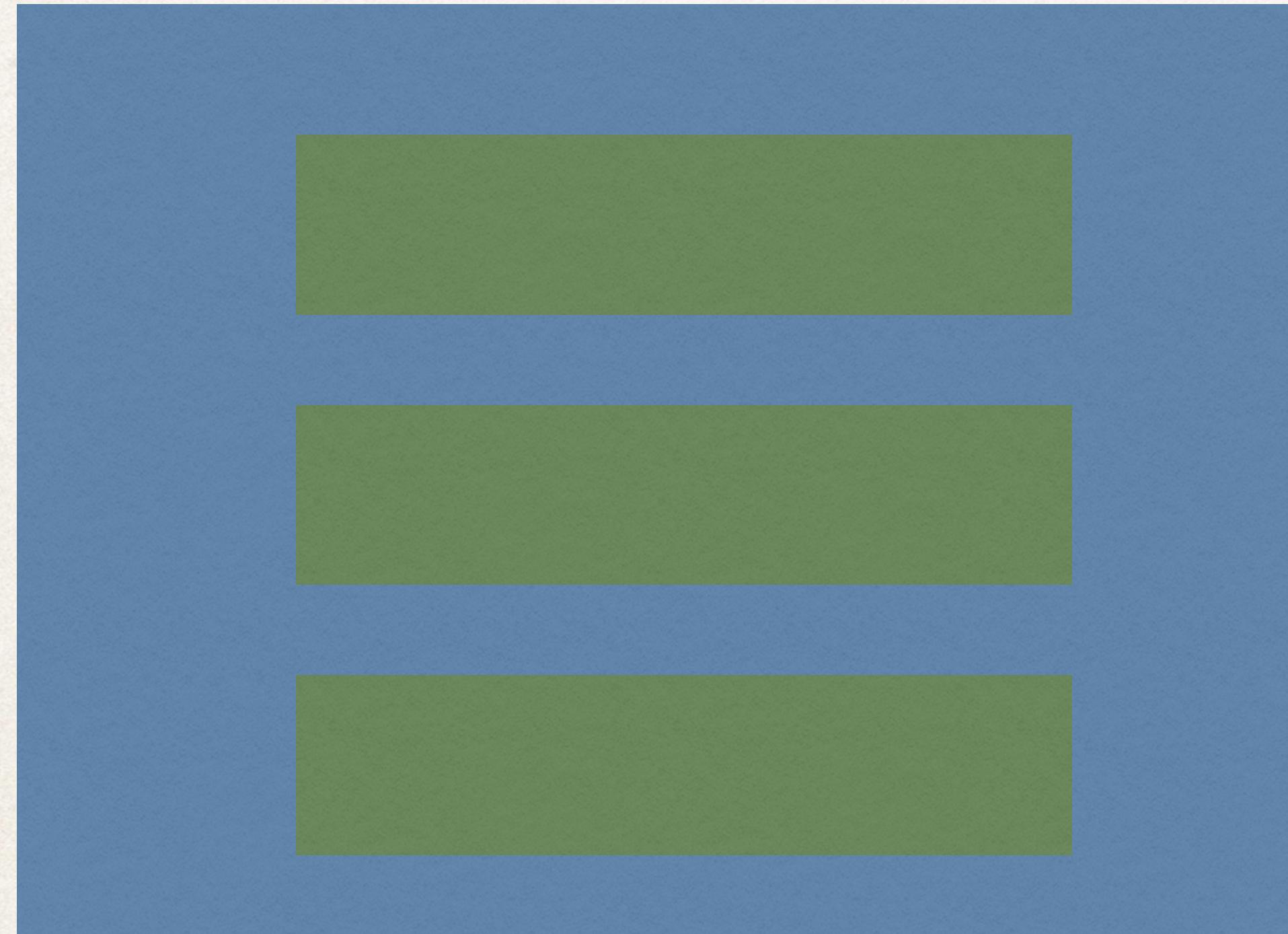
React Routing

http://localhost:3000

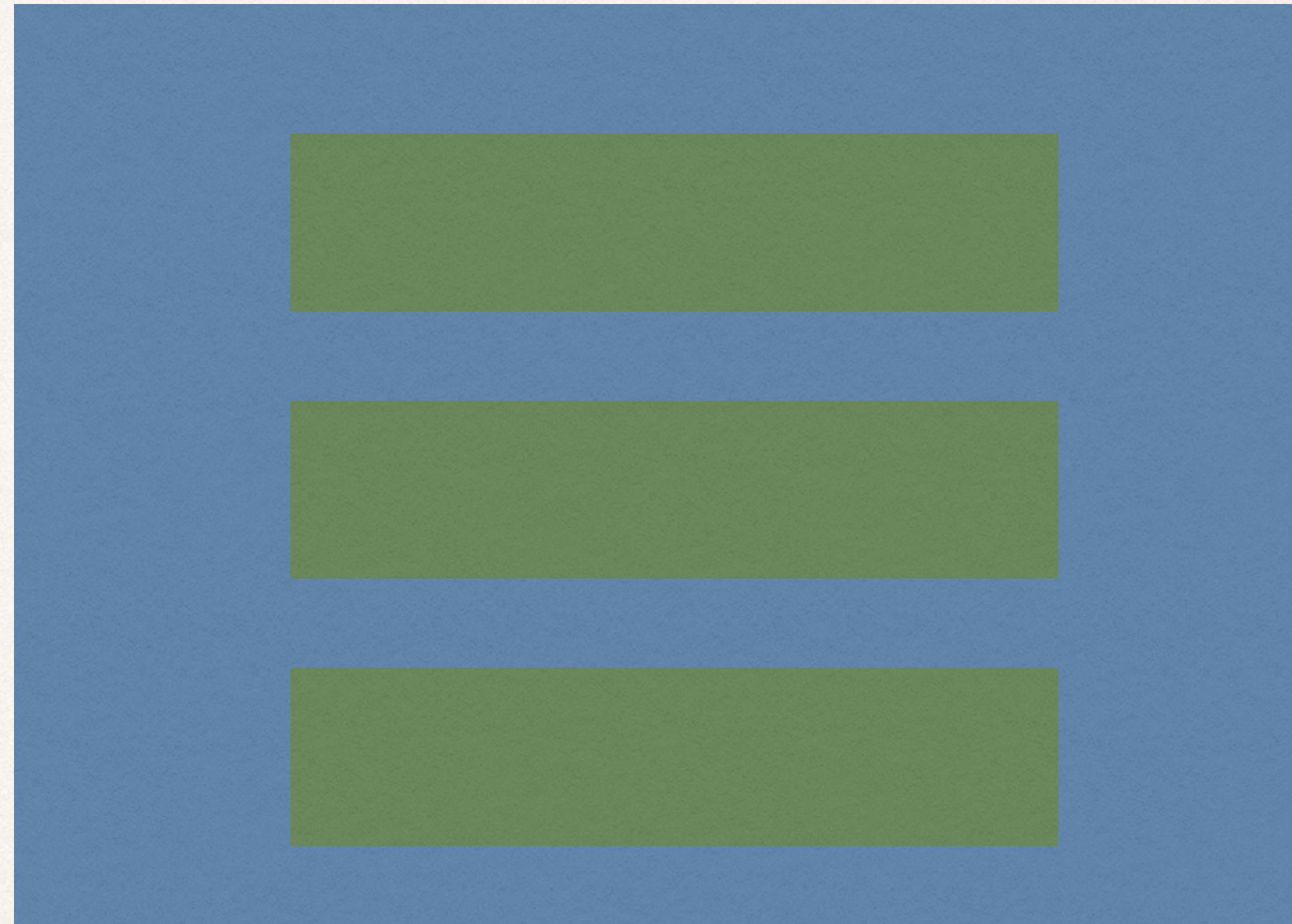


React Routing

`http://localhost:3000`



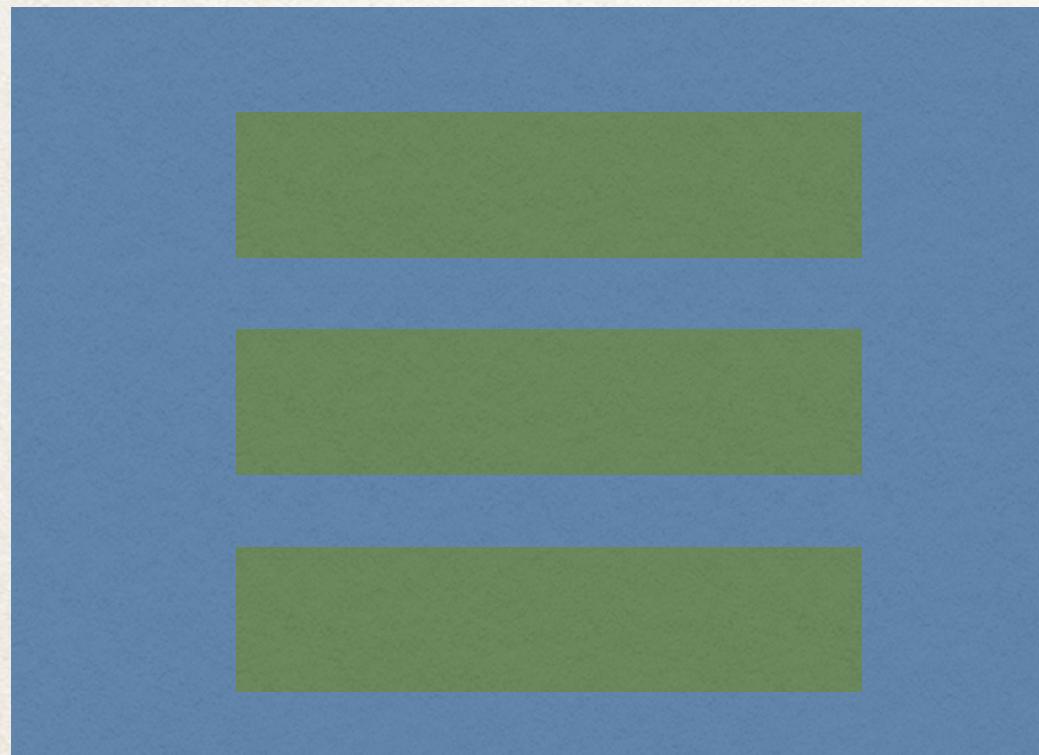
`http://localhost:3000/luv2code`



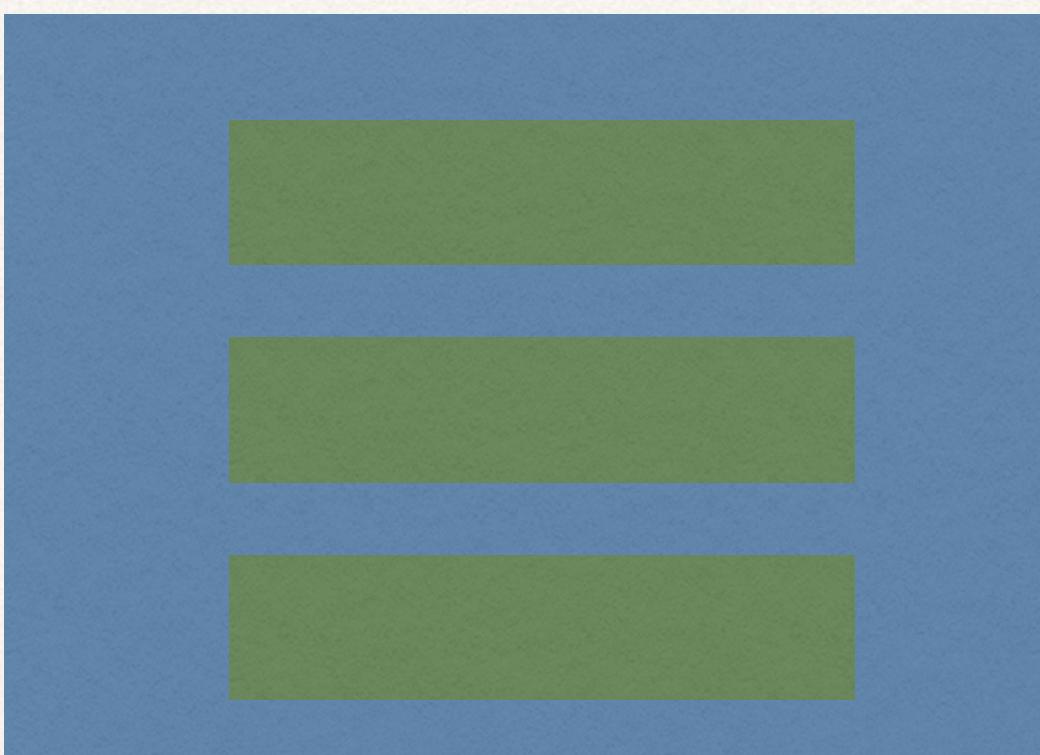
React Front End

<http://localhost:3000>

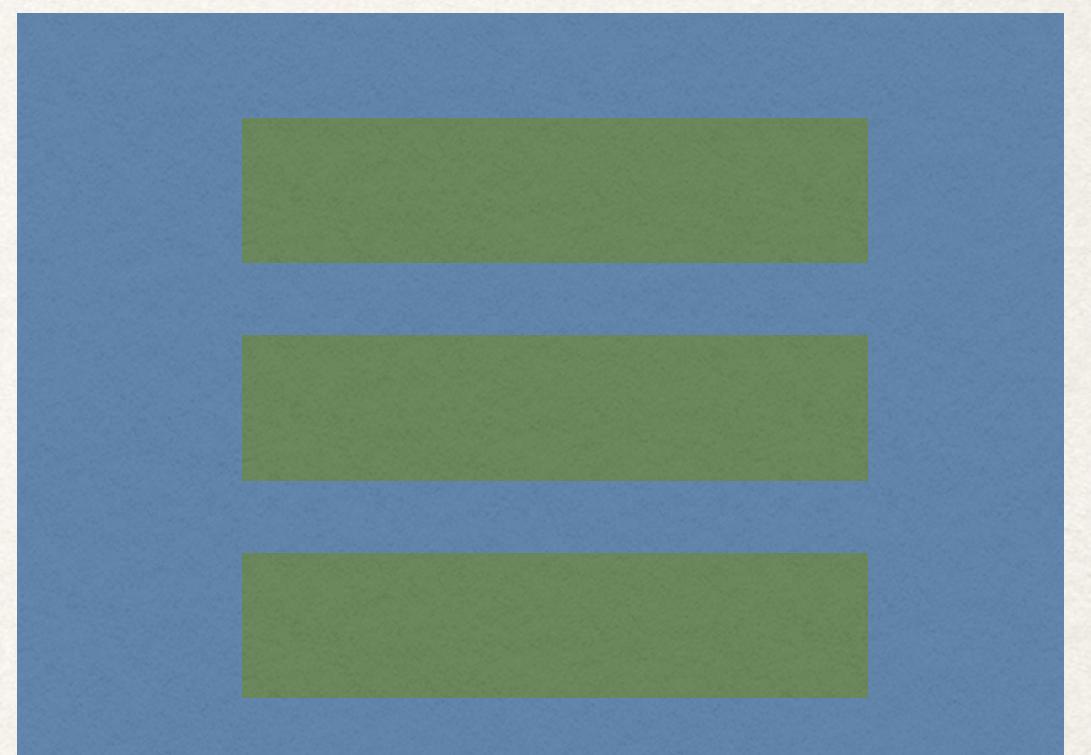
/home



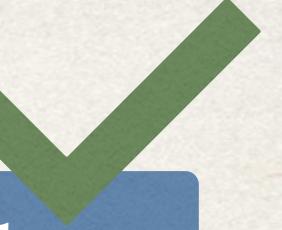
/search



/checkout



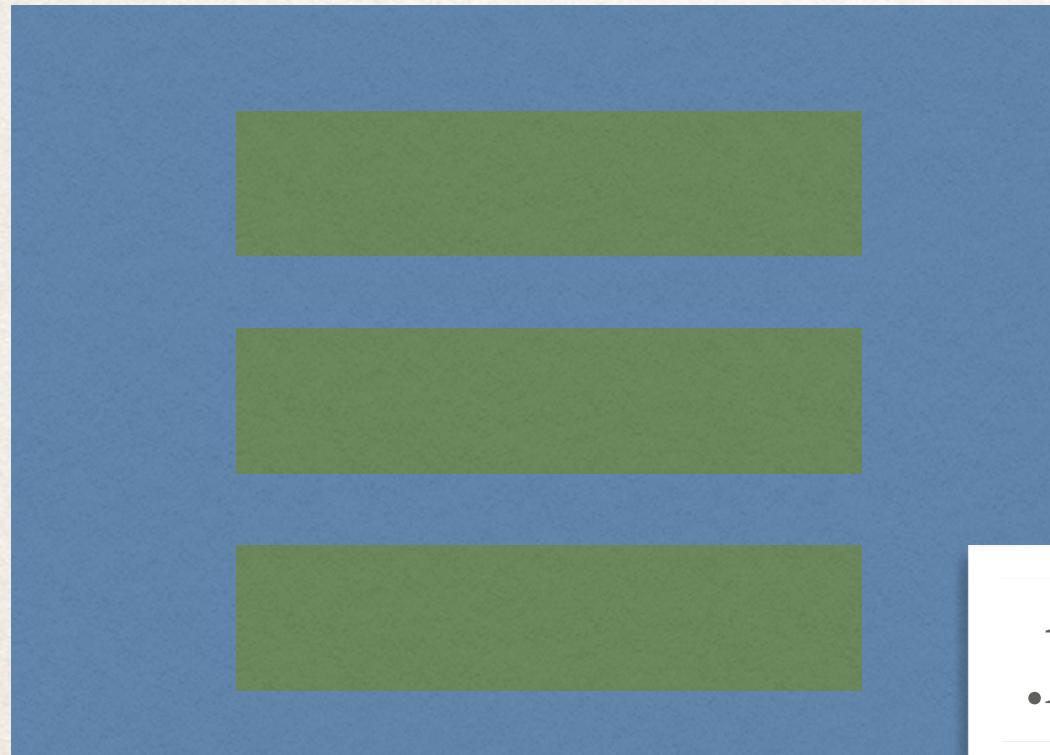
React Front End



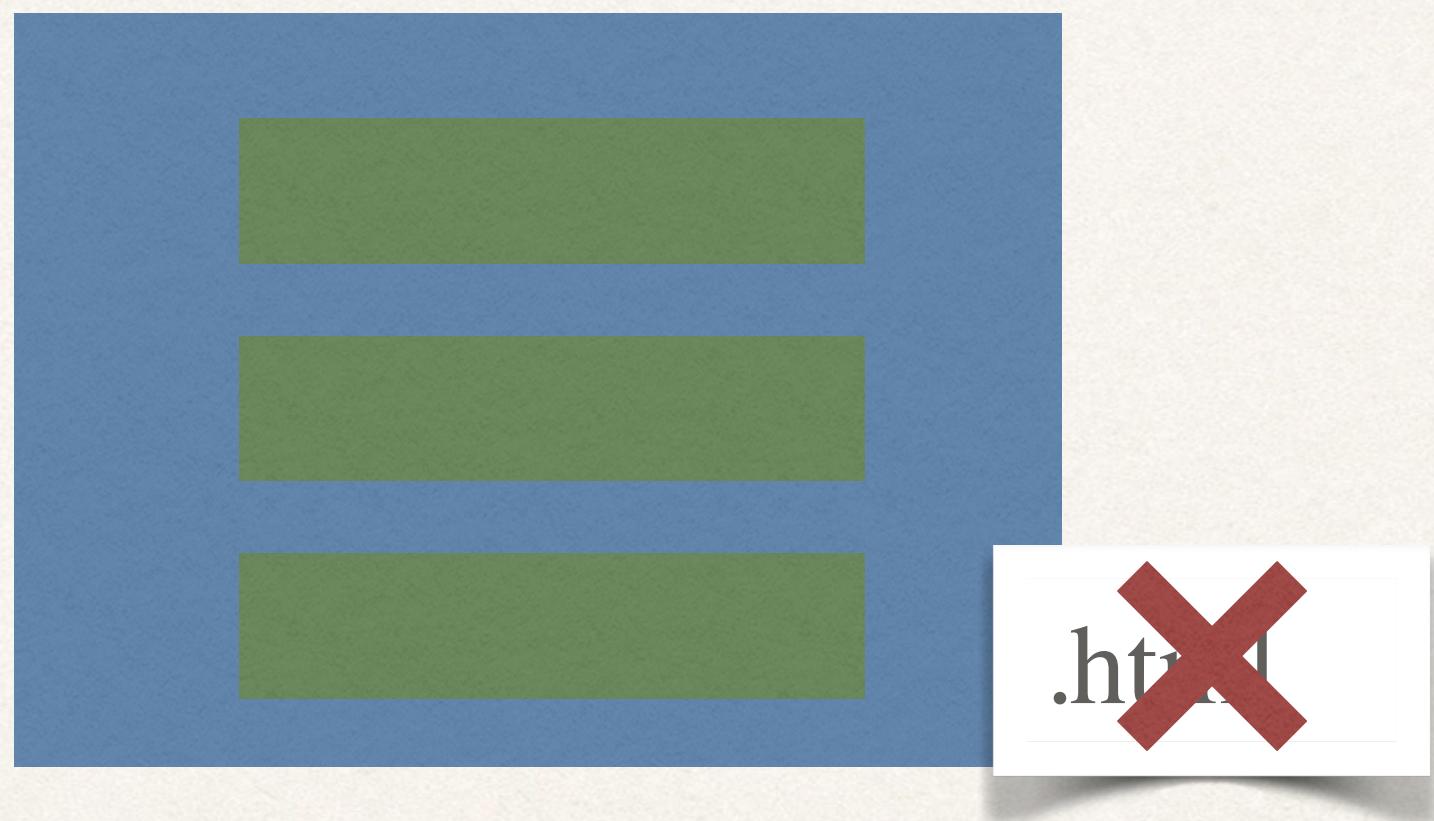
1. React is a SPA application
2. We do not use multiple HTML files

To keep it a SPA page we let React handle the routing so we do not need to fetch .html files from anywhere!

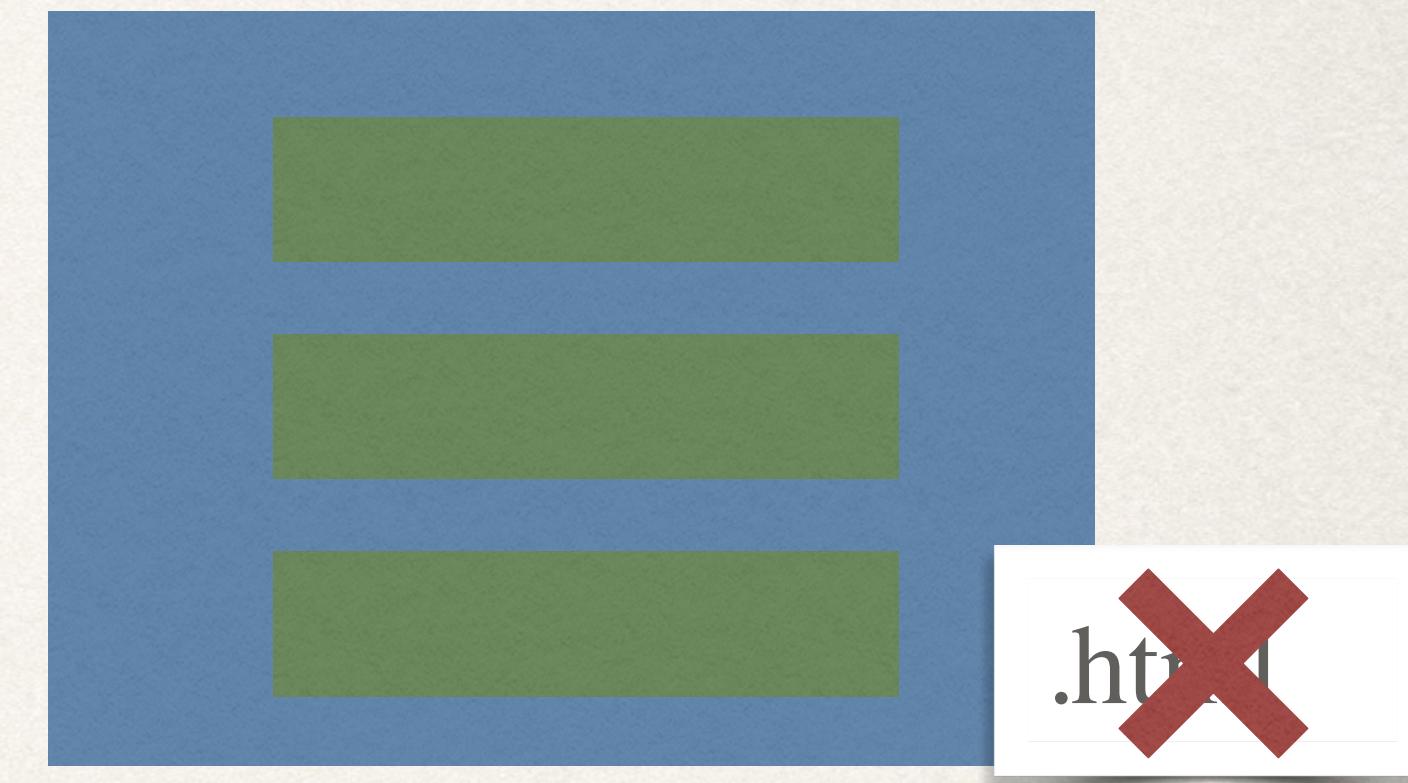
/home



/search



/checkout



Step 1. Install React Router

```
npm install react-router-dom@5
```

We will be using React Router Version 5 in this course. Make sure you are using version 5 by adding @5 at the end of the installation

Step 2. index.tsx update

```
import { BrowserRouter } from 'react-router-dom';

<BrowserRouter>
  <App/>
</BrowserRouter>
```

Parent router component that is needed to keep the UI in sync with the URL. All components that need routing must be in this.

Step 3. App.tsx update

/ will redirect our URL to
/home

/home will render our
HomePage component

**/search will render our
SearchBooksPage component**

```
import { Route, Switch, Redirect } from 'react-router-dom';

<Navbar>
  <Switch>

    <Router path='/' exact>
      <Redirect to='/home' />
    </Router>

    <Router path='/home'>
      <HomePage/>
    </Router>

    <Router path='/search'>
      <SearchBooksPage/>
    </Router>

  </Switch>
<Footer>
```