# Complete React Developer in 2022 (w/ Redux, Hooks, GraphQL)

## Section 2: React Key Topics

* Don’t toch the DOM. I’ll do it.
* Build websites like lego blocks.
* Unidirectional data flow.
* UI, The rest is up to you.

## Section 4: Capstone Project: Intro + Setup

### Scaffolding Our Capstone Project

The following command will create a new react project

**npx create-react-app crw-clothing**

This will create a basic react project.

### Setting Up Our Categories

We add an array of categories that is mapped over to display all categories. The map() method used a lot for this.



### Adding Sass

Adding sass to a create-react-app is as simple as installing the sass package using the following command:

**yarn add sass**

A create-react-app is setup in a way that it will automatically utilize the sass syntax.

### Adding Fonts

Fonts can be added using the Google Fonts website.

## Section 5: Routing + React-Router

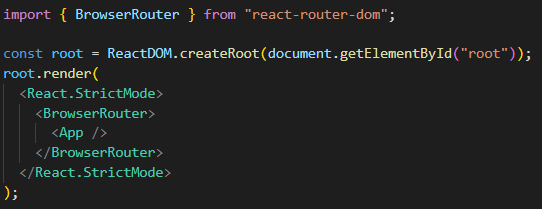
The library used for implementing routing is the react-router package. We can add this library using the following command:

**yarn add react-router-dom@6**

### React Router Outlet

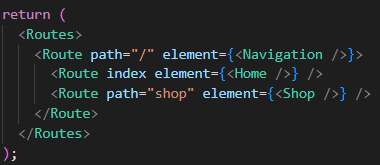
The following example shows the implementation of the router. This requires a few steps.

1. Wrap the App component with the BrowserRouter component provided by the react-router.



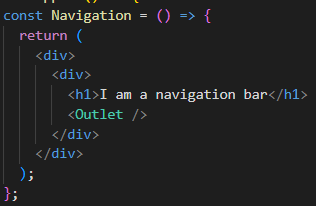
1. Create the navigation using the Routes component and each route using the Route component.





The first root route nests 2 routes. By setting the index property on the Home route, we basically tell the router to use this component as the default component to load along side the Navigation component.

The following code shows the Navigation component which utilizes the Outlet component.

By placing the Outlet component under the h1, we load the selected component (route) under there.

### React Router Link

In order to actually navigate to certain pages, we can use the Link component provided by react-router.

The Link component will render an anchor tag. It requires a to property which tells the anchor where to navigate to.

### Styling for Navigation + Logo

For the logo an svg file is used. We can add an svg file as follows.



Import the logo as a component and then also use it as a component.



Keep in mind that this only works because of the create-react-app scaffolding. This will provide the functionality needed to transform the svg to a react component.

## Section 6: Authentication + Firebase