

1. How will your project benefit from React?

I think that my project will definitely benefit from using React. If nothing else, I will benefit from converting my project into a React format! There are certainly a lot of differences between using React and Bootstrap. The latter is what I would consider a library that simply allows me to add content, styling, and basic structure more easily. I can basically completely disregard Bootstrap unless I want to use something from it. Whereas the former is a complete framework that requires me to think in terms of components and build my project in a completely different way. I will need to create classes, manage state, use props, and even manage my files in a totally new way.

Although this will be different, I think React should allow me to do a lot of things more easily. I can create a basic component for my navbar, my main headings, my page backgrounds, my titles, my lists, my footer, and so many other things that I will then be able to import any time I want. It will certainly reduce the redundancy of my code. I would also like to change a lot of things about my project and make it more interactive. React seems like it will facilitate this goal more easily than plain JS with Bootstrap.

2. What is your expected list of React components?

Thinking about the React components I will need is a good question. To be honest, I'm still thinking through it, and I have a feeling that I will be making a lot of mistakes and changes along the way. At the moment, I am guessing that I will at least need the following components:

- Main App component to hold everything else and provide a main container
- Reusable Navbar component for each page
- Main Landing container
- Title text component
- Animated scroll button component
- "Section" container with background
- Modal component
- Input components (buttons? Text input fields? more?)
- Basic components for each different piece of content
- Card components - I used cards in several places

- Footer component
- Possibly way more ...

In terms of justification, each of those items will be main features of my project that I can reuse many times in various places. As to that last item, I'm still trying to figure out how far down I want to go with each component.

For example, in my current project, I have a carousel. Perhaps I should make that carousel a single component. However, if I wanted to reuse it, it might be better to make a parent component to hold the basic carousel structure, and then children components for each of the slides I want to show. Each of these children components could even incorporate another component for each of the titles. Each of those could use a component that renders a background for that text! So, it could end up being a lot more depending on how small I want to make each component.

3. What are the team responsibilities?

Well, this is the easy question. I'm doing the project on my own, so I will be splitting up the various development responsibilities like so:

- Everything -> Me