



SEARCH



RESOURCES



CONCEPTS



1. Project Introduction



2. Getting Started



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4. Project: Landing Page



Mentor Help

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Development Strategy

For this project, you will be writing most of your code in **js/app.js**. Note that it's *very important* to *plan your project* before you start writing any code! Break your project down into sections and strategize your approach to each one. With these bite-sized amounts, it'll be easier to fix any issues that appear.

Feel free to implement your own design workflow, but if you get stuck -- here is a guide to get you up and running!

1. **Start by linking your app.js.** where should this file go based on your present workflow? You can test some other locations later.
2. **Build out your HTML and at least 3 content sections.** The rest of your function will be to create these sections.
 - Take a quick look at all the HTML elements in **index.html**. Note the value of the **class**, and **data** attributes. To manipulate the DOM, you'll be using methods you've learned on these elements (and on those that you will learn later).
 - For a refresher on the data attribute, visit [here](#).
 - Which data structure can you use to store these sections? This data structure will hold all sections for your page, so it might be a good idea to save it to a variable.
 - How you would iterate (i.e., loop) over this data structure?
 - Think about how you can create, say, an *unordered list* (i.e., bulleted list) structure, and where you be placing that list.
 - Think about how you'll test whether a section is in the viewport.
 - What actions are you performing that will cause interactivity with the DOM?
3. **Build the navigation menu.** This will dynamically create a navigation menu based on the sections of the page. This can be a particularly useful trick when you begin working with complex management systems or APIs when you are uncertain of where the items will be located.
 - Are you listening for an event for the navigation to build?
 - Where are you placing the navigation?
 - Where is the text for each navigation item coming from and where are you placing it?
 - How are you going to add each navigation item to your menu? (Hint: think about how you would do this. Do some research to figure out which makes the most sense for performance? Clarity?).
4. **Add functionality to distinguish the section in view.** While navigating through the page, the section that is active in the viewport/closest to the top should be distinguished from the other sections.
 - Are you listening for an event for sections to become active?
 - How are you going to test which section should be highlighted?
 - How can we use **classList** [methods](#) to change the CSS being displayed? (Hint: think about removing that CSS?)
 - Check the HTML and CSS files to ensure that what you chose is updateable and located in the right locations.
5. **Add the functionality to scroll to sections.** Clicking on a navigation item should scroll to the appropriate section of the page.
 - Which event are you listening for (hint: you were just reading it)?
 - There is a default event occurring that we need to stop. How?