



SEARCH



RESOURCES



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4. Project: Landing Page



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## Project Summary

This project aims to give you real-world scenarios of manipulating the DOM. The final product will serve two purposes: to prepare you for appending dynamically added content to show you how javascript can improve the usability of an otherwise static site. It touches the surface of what is possible, but it does use some incredibly common logic.

For this project, refactor and test as much as possible while you are building. For every piece of functionality you add, you will likely spend just as much time testing the code. If it takes you 3 hours to figure out the logic, it should likely take you another 3 hours determining that you wrote the best code possible. As your skills improve, this process will be natural. Make sure to remove any debugging code from your final submission.

## What You Will Build

You will be building a multi-section landing page. Often times, we don't know how to add content to a page through a CMS or an API. To circumvent this problem, we can dynamically add content to the page. We will be demonstrating this with the navigation menu. Adding building the navigation is a great precursor to understanding the virtual DOM when you begin working with JavaScript frameworks.

To improve the user experience, the section actively being viewed should be displayed in a different way. Additionally, when a user clicks on a navigation item, the item should scroll to the section rather than giving you the default jump.

This may not sound like a lot, but there are a fair amount of moving pieces that require work. You'll need to plan out the logic of what you are trying to accomplish before developing. If you find this process to be quick, there's a list of additional functions that all strive to improve the users' experience.

## What will I learn?

The landing page presents the first opportunity to fully combine your skills in HTML, CSS, and JavaScript into a large project. Aside from solidifying your skills with these three technologies, you will learn how best to combine them in a complex application.

The following are just some of the questions that you'll experience along the way:

- What's the ideal workflow?
- How many files do I need?
- Do I modify the HTML first or the CSS?
- How many JavaScript functions do I need?
- Should my function be this many lines of code?
- Is readability or performance more important?

There's no single correct answer to each question. While building this project, working with the project reviewer -- you will naturally develop your own answers to these questions!