Cooper Olney

CS-3017

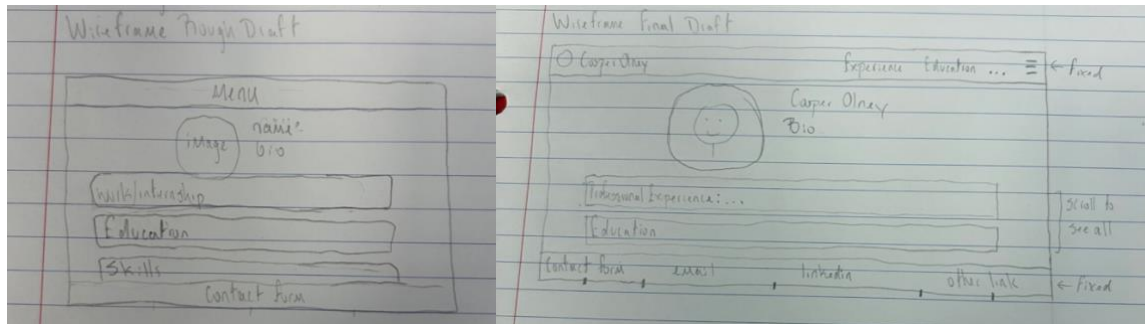Final Project Design Report

12/15/25

Wireframe

Layout

- The first thing you see on the site, is my face and name along with a short bio. This is important as this is a personal portfolio site, so users should be able to quickly see who I am.
- There is a menu at the top of the screen, where users can quickly click on each section of the site. There is also a mean at the bottom of the screen with links to other professional sites like LinkedIn and GitHub. Both of these menus are fixed in the respective spots, as I wanted these to be easily accessible at all times for the user.
- Each section, like professional experience or education is in its own section/box, to separate the information and provide sufficient blank space across the screen. Also, it is ordered from most to least important for potential employers.

Color

- The goal of this site is a professional portfolio for myself. So, I wanted a color scheme that would provide a professional and modern feel but still have some "pop" to make the site feel more personalized.
- I decided to use bootstrap's dark theme, and here is the hex code for the primary color of the page #212529. The dark theme provides a sophisticated and sleek for the overall webpage.
- For the secondary color, I choose an orange color with the hex code, #F5522F. When looking for inspiration for my site, I found a site that used this color and found it went will with my primary color. This orange color is used sparsely, so that it can provide a

splash of color throughout the page. Orange provides a warmth and feeling of joy to the site, which is important. for users to feel when looking at my personal portfolio.

- I also used bootstraps secondary color, which is a lighter gray, this was mainly used for borders around each major section of the site. And for the text I just used white. Both of these colors contrast well to the primary color and makes the content easy to read and distinguish the different sections of the site.

Challenges

- When creating the links for the top nav bar and connecting them with the headers of each section. There was a small issue of when clicking a link, the respective header would be at the very top of the screen, so it was covered by the top nav bar. To fix this, I found out that there is a CSS property of scroll-padding. So I applied this and it fixed the issue, so now clicking a link directs the user to the correct spot on the site.
- When I started to implement the contact form, I first thought of making it part of the bottom nav bar as a link to a separate html page. This caused a couple of issues, the first one was after submitting the form it would automatically bring up the web3forms confirmation site, but then there was no way to get back to the main site. Also, with multiple html files in the GitHub repo caused an incorrect domain name, as you needed to add /index.html to the end of it. To fix both of these problems, I decided to make the contact form have its own section on the main page and linked to the top nav bar. So now the contact me section is treated more like the education section rather than one of the external site links.
- When checking if the site adapts to different screen sizes, I noticed that for mobile devices that both the top and bottom nav bars don't work as intended. The top nav bar turns into a hamburger menu, but it is not clickable. Then the bottom nav bar completely disappears. To fix the top nav bar, I just needed to add some Bootstrap JavaScript that I forgot to copy from the Slugfest file I was using as the base. To fix the bottom nav bar, I decided for screens less than 1200px, that each link would combine into a drop-up menu similar to the hamburger menu. Now both nav bars work and look good for all screen sizes.

URL

https://cooperolney.github.io/