

Homework 8

PUI Final Project Pt 2

MockUps:

<https://www.figma.com/file/TbhdjBopzDRK1UhBdGhonK/Untitled?node-id=0%3A1>

GitHub Link:

<https://github.com/mag-e-williams/mag-e-williams.github.io/tree/master/portfolio-site>

Hosted Site:

<https://mag-e-williams.github.io/portfolio-site/>

WriteUp

Project Summary

The basic idea of my final project was to create a mobile-responsive portfolio website that will allow me to showcase my skills and projects to potential employers and other interested parties. I wanted to make the site fun and engaging by having a visually appealing aesthetic design, use of attractive and engaging colors, mobile responsive design, and attractive animations that draw the viewer in and enhance the interactivity of the site. I designed this website as a one pager to replicate the simplicity of a physical resume, and made the site mobile-responsive to make the site more accessible on mobile devices.

Interactions

1. Navigation to portfolio sections
 - Click on links in the left-hand navigation menu to navigate to different sections in the portfolio or scroll to sections.
2. Mobile use
 - Shrink viewport, use the developer tools to view on mobile, or open the site link on a mobile device.
 - Open the mobile navigation menu with the button that appears in in the upper right hand corner of the screen
3. View projects
 - Navigate to the projects section to view the interactivity for the project cards
4. Contact form

- Attempt to submit an empty form
 - Form will display the required attributes
 - Fill out the sections of the form -- form will inform user on the validation status of each input section.
5. See more information 'about me'
 - Navigate to the 'about' section
 - Interactive animated links in the text section will navigate the user to information about each link.
 6. See interactive skill
 - Navigate to skills section
 - Hover mouse over skill icons to view interactions and tooltips

External Tools and Libraries

JQuery

- I chose to use JQuery because it provided a lightweight and reliable JS framework to write clean, organized, JavaScript code for my site. I used this framework to accomplish some of my animations, my mobile navigation menu, and the contact form validation and submission. Additionally, JQuery has easy integration with Bootstrap, which made designing interactions in my site easier.

Bootstrap

- I chose to use bootstrap as the frontend UI framework. I chose Bootstrap over other frontend frameworks such as materialize, foundation, or bulma because of how lightweight, extensive, and modifiable Bootstrap is. Bootstrap allowed me to more easily design for mobile use, add interaction elements such as tooltips and popovers, and integrate the form with JQuery for validation and form submission. Bootstrap is also highly flexible, and it allowed me to easily customize the site to what I wanted the UI to look like based on my original mockups.

Iterations

My original mockups are linked [here](#) and at the beginning of the writeup. I did not change a lot in the implementation of my final site compared to my original mockups. In my final version for the sake of my time,, I did reduce the number of colors I was intending to use, instead opting for a consistent color scheme in every section. I additionally changed certain color elements to increase the visibility of those elements on different screen sizes.

Challenges

In this project I wanted to challenge myself to use color. In most of my design work, I have found that I gravitate towards designing with monochromatic color schemes and minimalistic design, using a lot of black and white and flat design. I wanted to use this project to attempt to break from this pattern, and experiment with color design ideas. This was a challenge for me because It definitely put me outside my comfort zone while designing the mockups and implementing the color scheme while coding.

Another challenge I had was managing the mobile responsiveness of the site. Many of my design patterns broke from the default format of these elements in Bootstrap. Since so much of my own design did not fit with the Bootstrap patterns for mobile responsive design elements, writing and debugging a site with proper breakpoints that would look visually appealing and be functional on all screen sizes was quite a challenge.