

Lea Emerlyn
Final Project Writeup

Link: https://leaemerlyn.github.io/pui-lab/homework_8/

Github: https://github.com/Leaemerlyn/pui-lab/tree/master/homework_8

Part 1

The purpose of the website is to showcase projects that I have worked on to recruiters. I wanted the landing page to be more “artistic” in order to give people a good first impression. I want to show people that I am capable of creating dynamic and aesthetically pleasing websites. The landing page includes a brief introduction of myself and presents an overview of a small sample of my projects. I also have an artwork section to show some artworks that I have worked on in the past. The about page will include a button which links to my resume. All of the pages except for the projects will have bubbles falling down. These bubbles can be pushed away with the cursor. If someone were to read my bio, putting the cursor close to the text will prevent bubbles from falling there, which means that it will not interfere with readability. The background color also gradually changes.

Part 2

- Using the mouse, users can push each bubble away from the cursor.
- The buttons animate while hovering. Every time you hover the button, the background color is different.
- Each project has a back button on the lower left side that brings them back to the projects page.
- The about page has a resume button that opens up another tab with my resume.

Part 3

- Bootstrap
 - I chose to use Bootstrap because it is one of the most popular HTML/CSS/JS frameworks. I do not have any experience with making things responsive. After reviewing the bootstrap documentations, I think that this will be much easier than trying to make the site responsive myself.
 - I used it mainly by looking up specific things I want to make on the bootstrap website. For example, I looked up how to make cards in bootstrap, followed their documentation and added some tweaks with my own CSS. What I used most often was the class “row” and “col” in order to create different sections of the portfolio piece.
 - Bootstrap allowed the website to be responsive on medium to small screens. The menu collapses into a hamburger menu when the dimensions of the site become smaller. The projects also become 1 column on mobile rather than 2 columns. I also used bootstrap to help align/justify items and make the site look more balanced.

- Anime.js
 - I chose this library because it has one of the best documentations, which makes using it much easier. There are several very impressive example animations on their site that use anime.js. I thought that I could use this library to help me implement the button animations to make the site look more lively.
 - I used it by downloading the source code and linking it to my html with the script tag. Then I followed the documentation of how they used scaling and skewing to animate cubes. I also looked at how they used keyframes to chain together animations.
 - I used anime.js in order to animate the button's bouncing effect. This animation makes the buttons look more clickable. It also enhances the interaction between the users and each button.

Part 4

I originally wanted the button to look very skeuomorphic (3D look). I decided to go with a button that plays with color because I think that this fits within the theme of the site better. I also changed how the menu would look on mobile. I noticed that the text was very difficult to read if there is no background, so I added a semi-transparent black background when the hamburger menu is clicked.

Part 5

Because this is my first time using bootstrap, it was challenging figuring out what I should use to create the responsive website that I wanted (break points). It was also challenging to implement the bubbles animation because I wanted it to flow down naturally (going down/going left and right) and have it appear in random sizes. I had a lot of trouble making the bubbles fade when it hits the bottom of the page. At the beginning the bubbles would keep extending the page vertically and I did not know how to make my javascript recognize the length of my webpage.