PUI Final Project

Clare Lee

Website: https://hongeunl.github.io/finalproject/
Github: https://github.com/hongeunl/finalproject

Part 1: Website description

The purpose of this website is to describe the kind of person I am outside of work in a fun, engaging way. I currently have a portfolio website, but most of the content there is largely focused on my past projects and work experience. By linking this website on my portfolio website, I want to have an opportunity to show the visitors, who will most likely be recruiters and hiring managers, who I am as a whole person, and some of the things in my life that I enjoy the most. By adding animations, images, gifs, and audio, I wanted to make my story come to life and take users to some of my favorite moments in life.

Part 2: Interactions

- Scroll to the next page by clicking the "Let's Begin" button and the "Next" button at the end of each page
- See slide-in animations and fade-in / appear animations *when* you scroll to each page
- Listen to the audio for the gifs by clicking the audio icon on the gifs
- Flip the card by hovering over the Queen's Gambit poster on the second to the last page

Part 3: External tools

Bootstrap

- I used Bootstrap to make my website responsive for different screen sizes. I used its grid system to set each row and column to layout and align the content. Bootstrap, which was built with flexbox, adds flexibility, consistency, and responsiveness to my website, which shows users layouts and alignments that are optimized for the specific screen size and device they are using to access the website.

JQuery

- I used JQuery to create a function that enables users to automatically scroll to the next page with a click of a button. I used the animate() and scrollTop() methods to perform a scrolling animation based on the vertical scrollbar position of the next row element. JQuery and its methods add flexibility to how users can navigate my website. Users who are more comfortable with manually scrolling have an option to scroll on their own, and users who prefer to jump scroll to the next page with a click have that option as well.

Intersection Observer API

- I used the Intersection Observer API to trigger my CSS animations when elements on the page come into view. I chose to use this API because it helped me easily check if certain elements were intersecting in or out of the viewport. This enabled me to add animations when the users scrolled to that part of the page, not when the page loaded. By timing them right for the users to see the animations, the Intersection Observer API makes the website more enjoyable to scroll.

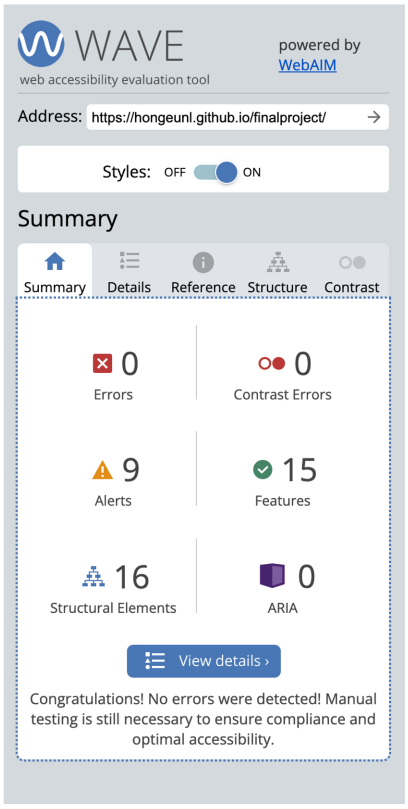
Part 4: Changes from the prototype

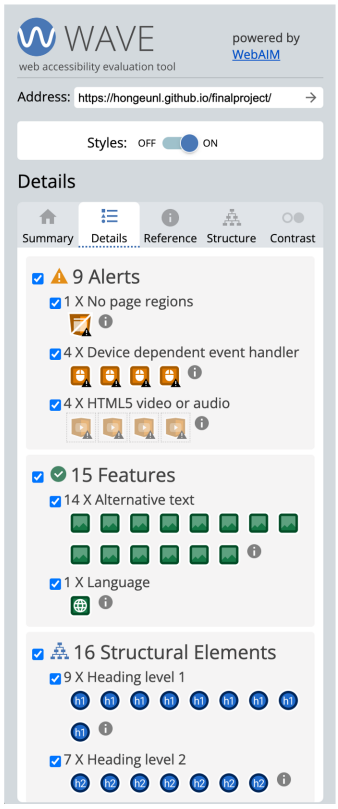
The content on the final version remains largely the same as my Figma prototype. However, I did add more animations and functionalities to give users more flexibility and to communicate the functions more clearly. For example, I added the auto-scrolling "Next" buttons for each page and the audio icon that indicates which visuals have audio and where to click to play it.

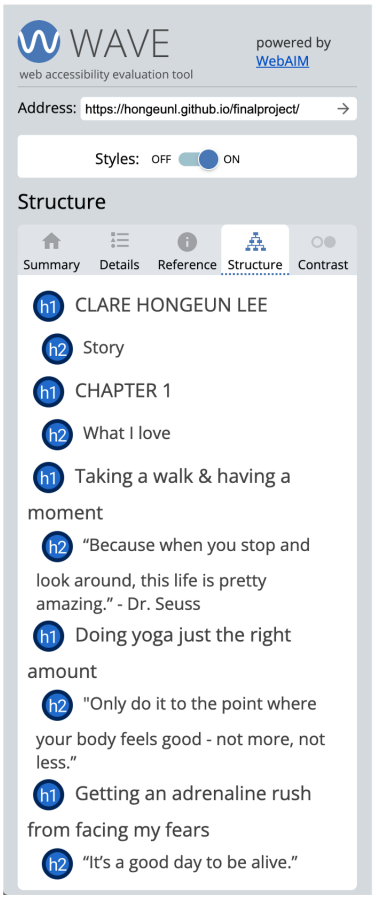
Part 5: Challenges

Using external tools like Bootstrap and JQuery was challenging. I knew what Bootstrap was in concept, but I had to play around with the sizing and alignment for a long time to position the elements the way I wanted. Sometimes, the "align-items-center" did not work for some of the elements within a row, and I had to experiment with their position and height values to get them to align vertically.

See the next page for screenshots from the WAVE tool


WAVE
web accessibility evaluation tool
powered by WebAIM
Address: https://hongeunl.github.io/finalproject/
Styles: OFF ON
Summary
Summary Details Reference Structure Contrast
0 Errors
0 Contrast Errors
9 Alerts
15 Features
16 Structural Elements
0 ARIA
View details ›
Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.


WAVE
web accessibility evaluation tool
powered by WebAIM
Address: https://hongeunl.github.io/finalproject/
Styles: OFF ON
Details
Summary Details Reference Structure Contrast
9 Alerts
1 X No page regions
4 X Device dependent event handler
4 X HTML5 video or audio
15 Features
14 X Alternative text
1 X Language
16 Structural Elements
9 X Heading level 1
7 X Heading level 2


WAVE
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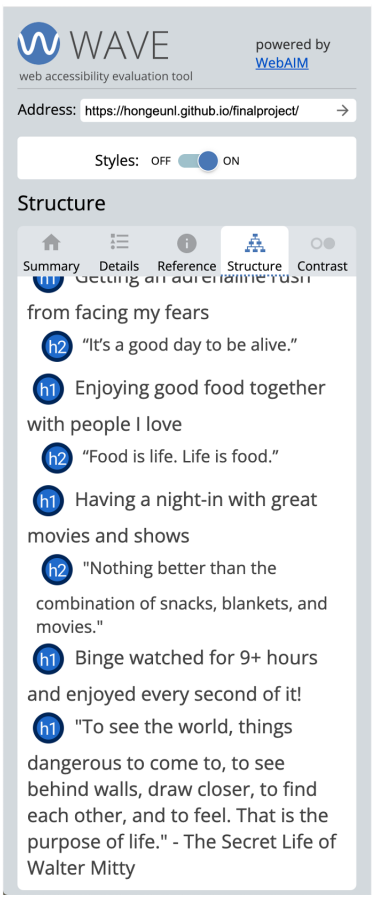
Address: https://hongeunl.github.io/finalproject/
Styles: OFF ON
Structure
Summary Details Reference Structure Contrast
h1 CLARE HONGEUN LEE
h2 Story
h1 CHAPTER 1
h2 What I love
h1 Taking a walk & having a moment
h2 “Because when you stop and look around, this life is pretty amazing.” - Dr. Seuss
h1 Doing yoga just the right amount
h2 "Only do it to the point where your body feels good - not more, not less.”
h1 Getting an adrenaline rush from facing my fears
h2 “It’s a good day to be alive.”


WAVE
web accessibility evaluation tool
powered by WebAIM
Address: https://hongeunl.github.io/finalproject/
Styles: OFF ON
Structure
Summary Details Reference Structure Contrast
from facing my fears
h2 “It’s a good day to be alive.”
h1 Enjoying good food together with people I love
h2 “Food is life. Life is food.”
h1 Having a night-in with great movies and shows
h2 "Nothing better than the combination of snacks, blankets, and movies."
h1 Binge watched for 9+ hours and enjoyed every second of it!
h1 "To see the world, things dangerous to come to, to see behind walls, draw closer, to find each other, and to feel. That is the purpose of life." - The Secret Life of Walter Mitty