Alexander Ma
PUI Final Writeup

Screen Sizes:
1536 x 834
575 x 626

Part 1
The purpose of my website is to code a portfolio website for me to show off my projects and other important information about me that I would want to show recruiters. The information I show in my website includes my three main projects, a lot of my illustrations, and then a basic introduction about myself (including important links and contact information). I tried to keep it interesting and engaging with a few specific features. First, I have a lot of orange shapes floating around on the main pages in order to make the page seem more lively. They are all animated to go in different directions. Second, the user can click on the project images on the home page in order to read further about my project. I included videos to showcase projects as well which the user can interact with. Third, on my home page, I added a typing effect to show off my different "characteristics". The words "UX Designer", "Frontend Developer", and "Taylor Swift Enthusiast" will be typed out and deleted. Lastly, I used the Interaction Observer API to make the navbar change as you scroll, which is fun to play around with. Like I said before, the target audience is mainly recruiters and hiring managers. Knowing this group of people usually skims job applications in a few seconds, I tried to keep my portfolio as simple and digestible as possible so that no time would be wasted.

Part 2
- Enlarged Images when Clicked
    - When you go to the illustration page, you can click on an image and it will bring up an enlarged version of the image. You can then press the "X" in the corner in order to exit out of the image and then view more after.
- Changing Navbar
    - On any page, whenever you scroll down a little bit, the navigation bar will change. The background of the nav bar will change from transparent to white, there will be a box shadow added, and then finally the glasses logo will change color from orange to black.
- Social Media Links
    - On my About Me page, when you scroll down a bit, you will find links to my linkedin, facebook, resume, and github. You can click on them to go to each respective link.

Part 3
- The tool I used was called the Interaction Observer API.
- I chose to use it because from a design standpoint, I wanted the navigation bar to fit with the orange shapes on the web pages. I wanted the navigation bar to be transparent and orange so that it would fit with the floating orange shapes, but I didn't like how as you

scrolled down past the shapes, the transparent nav bar and orange text would overlap with other paragraphs of text. The ideal scenario would be for the navigation bar content to be orange and the background to be transparent, but as you scroll down it changes to a solid white background and the colors change to black.

- I set a specific spot on each page as the “intersection point” so that when you are above that point, you have the “default navbar” where the background is transparent and the text/logo is orange. Then, when you scroll past that point, you have the “scrolled navbar” where the background is solid white and the text/logo is black.
- It adds another dimension to the design of my website. When the user first enters my website, everything seems very fun with floating orange shapes and words. It catches the interest of the user. However, as you scroll down to the more serious content, I don’t want the navigation bar to be distracting anymore so it changes to a more conventional format.

Part 4

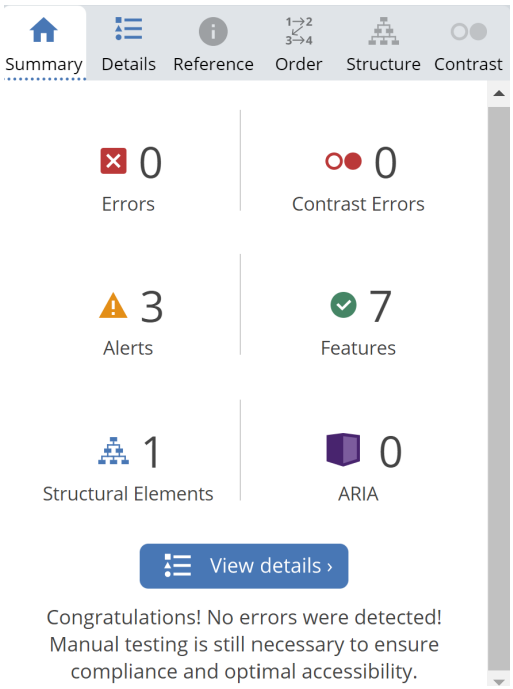
- I didn’t make too many changes to my prototype. The biggest changes I made were with the Illustrations page. In my prototype, I had a totally different format for where the images were placed on the mobile version. I had each image floating in varied spots on the screen with no real set format. When I started to try to implement the position of those illustrations, I realized how I didn’t really account for how little space I had on a mobile screen, and didn’t really have the real estate to mess around with quirky positioning. So now, for the mobile version, all the illustrations are in a flex-col and just go straight down in a line.

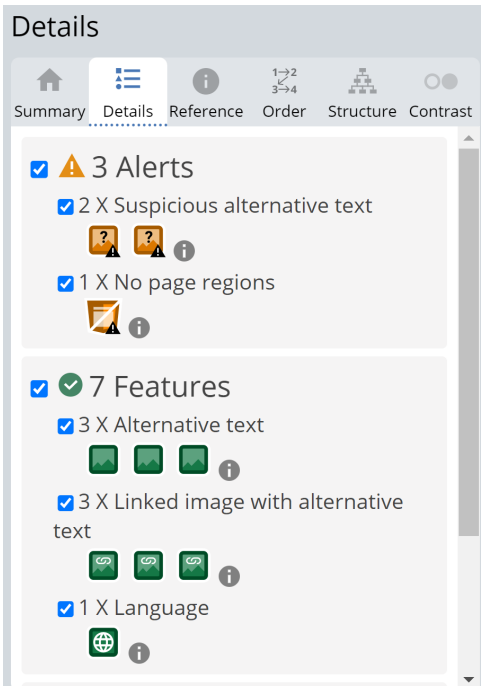
Part 5

- The main challenge I bumped into when implementing my website was trying to make it responsive. I tried using rows and cols with Bootstrap since I heard that was a popular technique, but the results didn’t turn out the way I wanted them to. That’s why I settled on a mix of media queries and Bootstrap’s grid system.

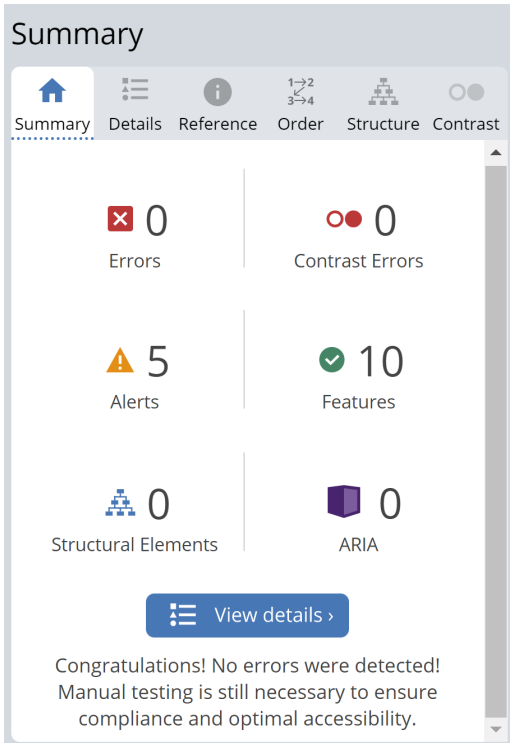
Wave Screenshots

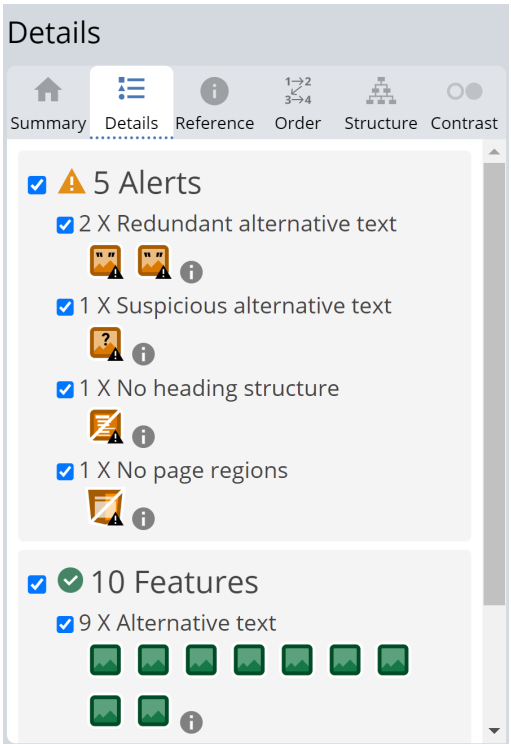
Home Page:



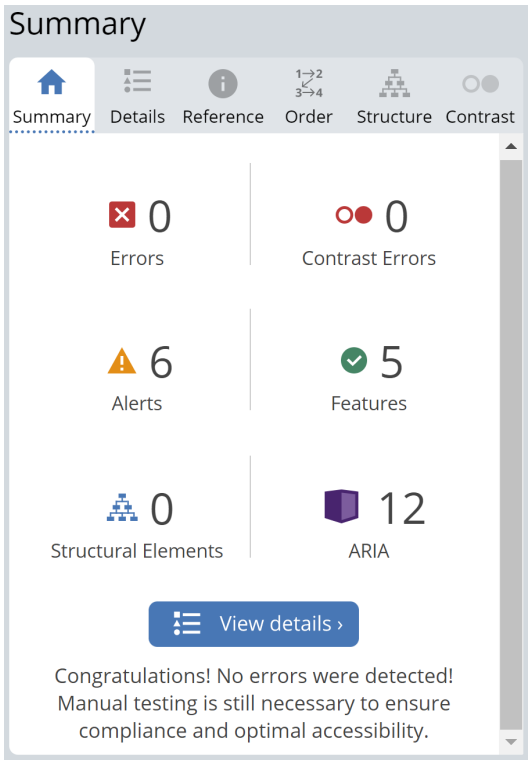


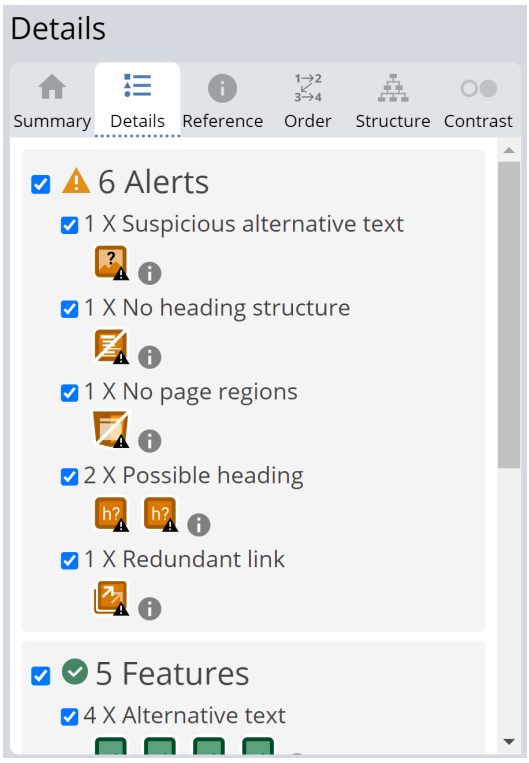
Illustrations Page:



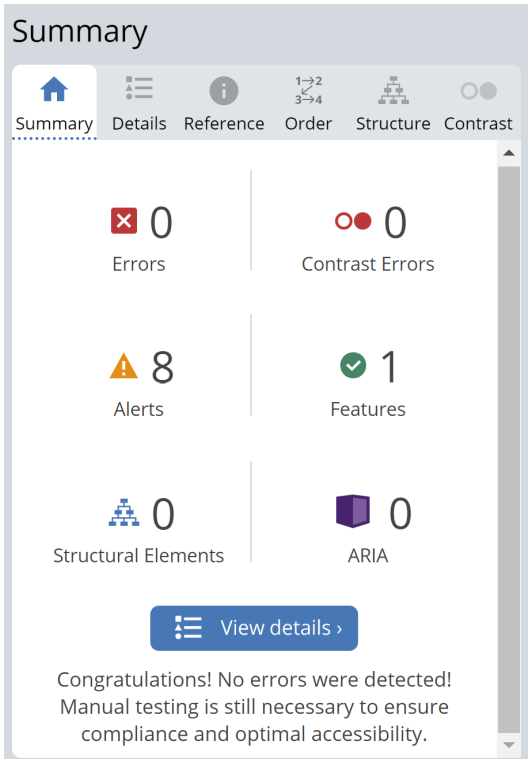


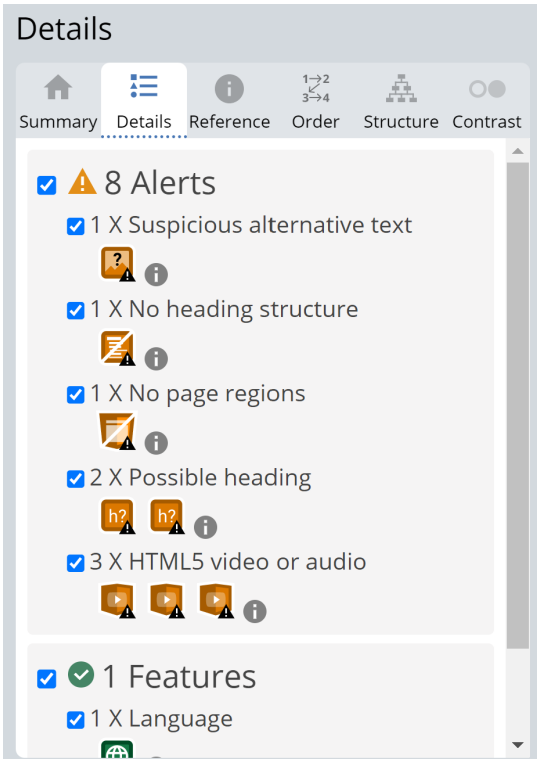
About Me Page:



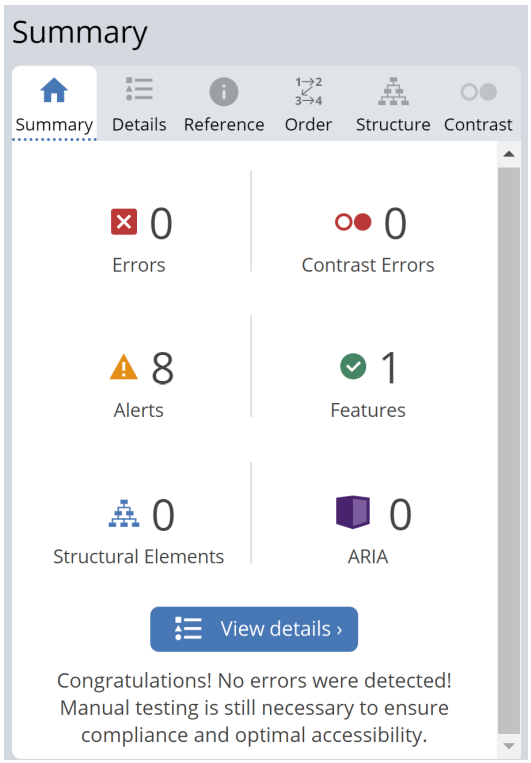


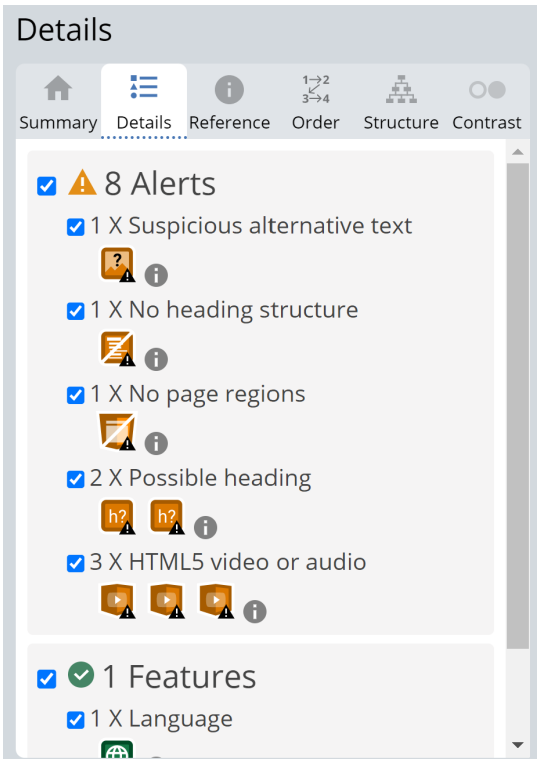
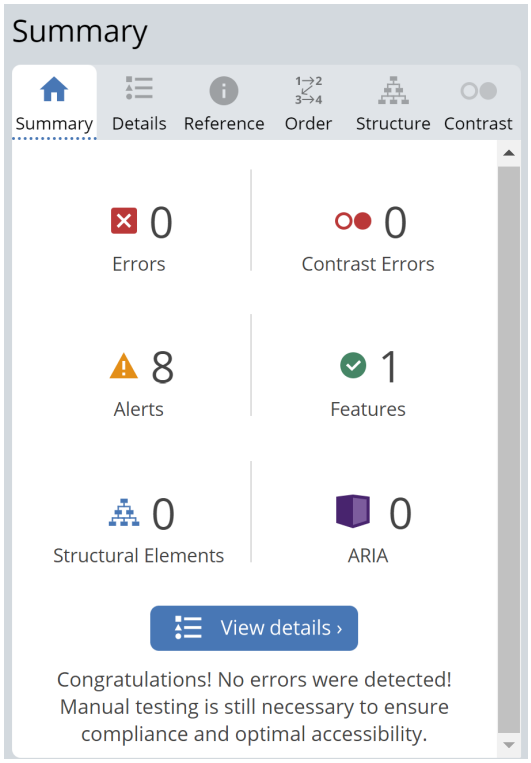
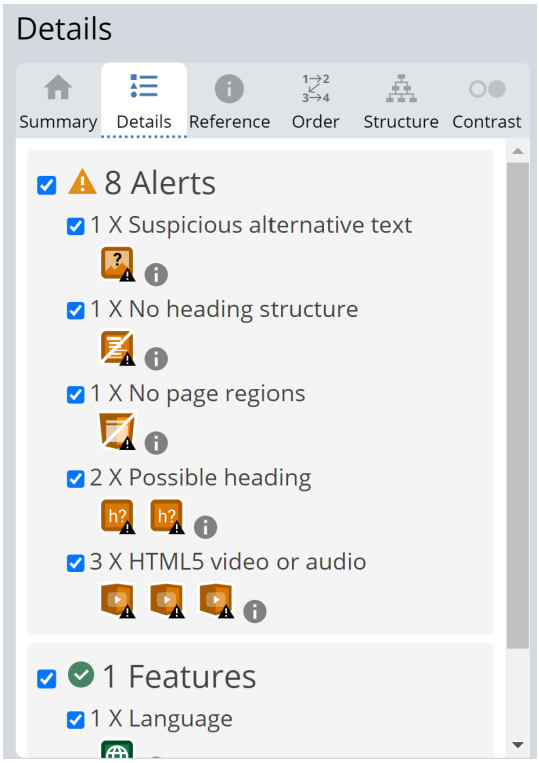
Project Page 1:





Project Page 2:





Project Page 3: