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PUI Final Project

December 3, 2021

Part 1

The website is my personal portfolio that conveys my role as an artist and a UI/UX designer. It contains two of my previous projects, as well as a contact page. For each project, I presented them in the logic flow of an overview, research methods and problem space, and product/service designed for solution. The purpose of this website is to 1) archive my projects for myself, and 2) demonstrate my art, design, and research related skills to the general public or potential employers. I used an adequate amount of animations and a purposefully selected color theme to create an enjoyable and engaging viewing experience for my audience.

Part 2

- Navigation bar
    - Interaction type: hover and click for directing to the respective page
    - Reproduce: on all pages, hover on the text (“work”, “contact”)
- Navigation bar when scrolling
    - Interaction type: scroll
    - Reproduce: on all pages, when scrolling and the Y coordinate of the top edge of the current viewport is greater than 100, the navigation bar sticks at the top and changes to a light grey background

- Navigation bar (in screen sizes smaller than 991px)
    - Interaction type: click
    - Reproduce: on all pages, click the icon on the upper right corner to display the navigation bar and click it to close
- Projects entrance on the home page
    - Interaction type: hover and click for directing to the certain project page
    - Reproduce: on the home page, hover on the project image to see an overlay that provides a description of the project
- Slide up button
    - Interaction type: click for returning to the top of the page
    - Reproduce: on all pages, when scrolling and the Y coordinate of the top edge of the current viewport is greater than 500, the button appears
- Animation
    - Interaction type: scroll
    - Reproduce: on the two project pages (“EasyA”, “Virtual Tour: River Otter Activity”), scroll to activate the animations
    - Where:
        - EasyA
            - Front image (fade up)
            - Map image under “Contextual Inquiry” (fade up)
            - Texts and images under “Solution” (fade up, fade down, fade in)
            - Image under “Customer journey after using EasyA” (fade in)

        - Virtual Tour: River Otter Activity
            - Front image (fade up)
- Prev/next button
    - Interaction type: hover and click for directing to the certain project page
    - Reproduce: on the bottom of each project page, click
- Text input
    - Interaction type: input text
    - Reproduce: on the contact page, type in each box

Part 3

- Bootstrap
    - I used it to make my website responsive and fit different screen sizes. Specifically, I used “container-fluid” and various “col” to organize my layout.
- JQuery
    - I used it to add functionality to my website. For instance, button click, scroll to show (slide up button), scroll to change (navigation bar). It makes my website interactive.
- Font Awesome (icon library)
    - I used it to add icons to my website. For example, the slide-up button, navigation bar button and close button (in smaller screen size). The library is convenient as it provides you a library of icons that is ready to use.

- AOS (animate on scroll library)
    - I used it to implement animations to my website. Some texts and images are animated on scroll. It enhances the interactivity and engagement of my website.
- Typed.js (jQuery typing animation)
    - I used it to complete the typing animation on my home page. It makes my website more interactive and engaging to the audience.

Part 4

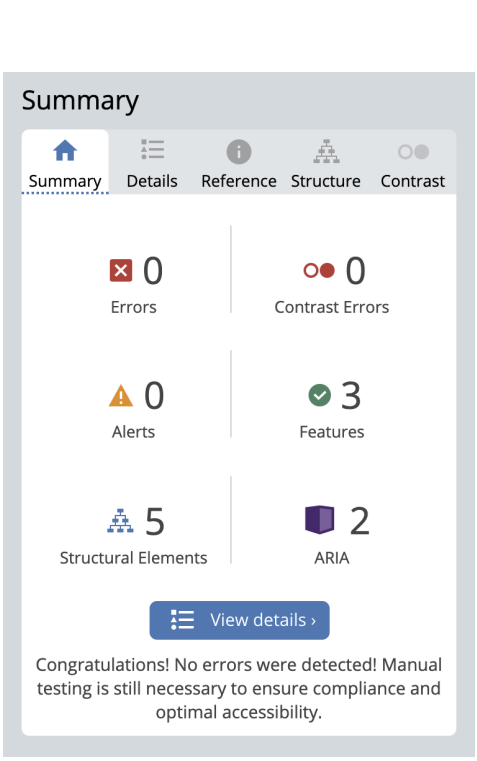
To make my website more accessible navigating to other pages, I made the navigation bar stick on the top and added a “next”/”prev” button at the end of each project page. In order to allow viewers to get back to the top quickly (especially for those long pages), I added a slide-up button.

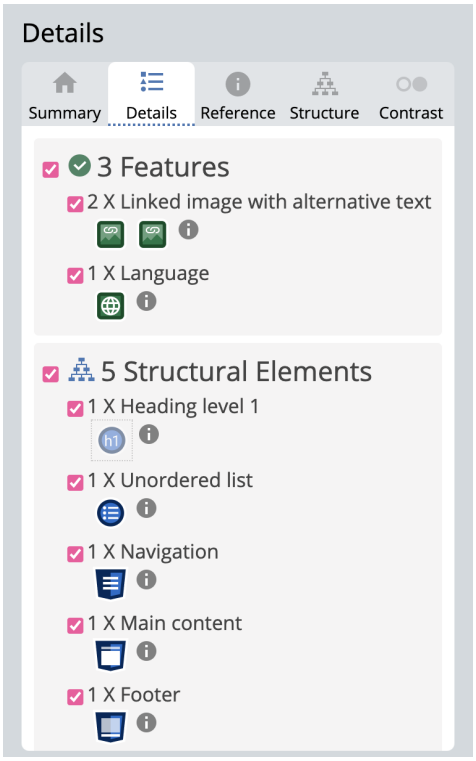
Part 5

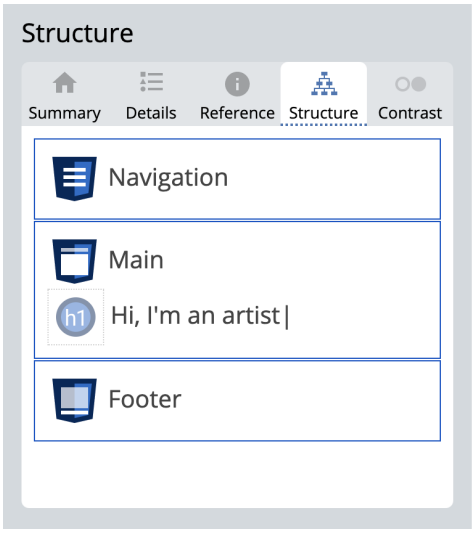
Due to my unfamiliarity with coding, I encountered difficulties when looking for and filtering through sources that perfectly match my demands. Before I found the AOS animation library, I experimented with several methods that didn’t work well. Learning and troubleshooting a new JS library was also challenging as I had to watch a lot of Youtube tutorials and dig through google.

Screenshots from WAVE

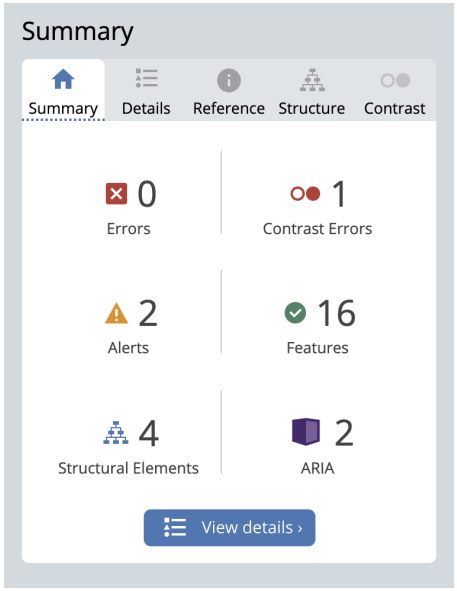
Home page:

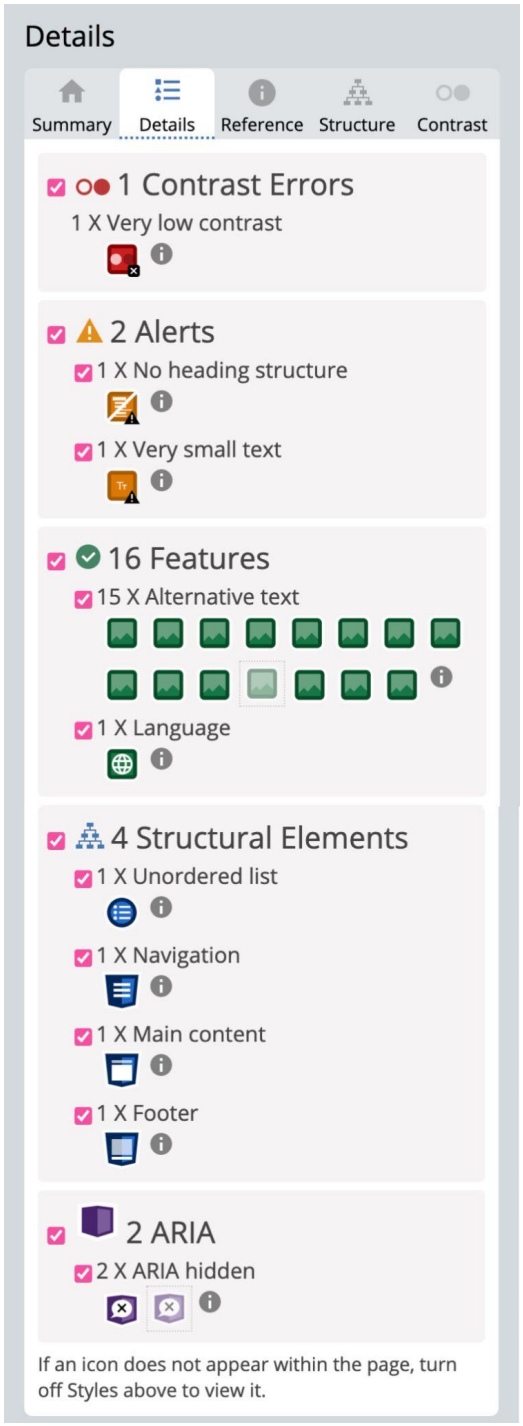


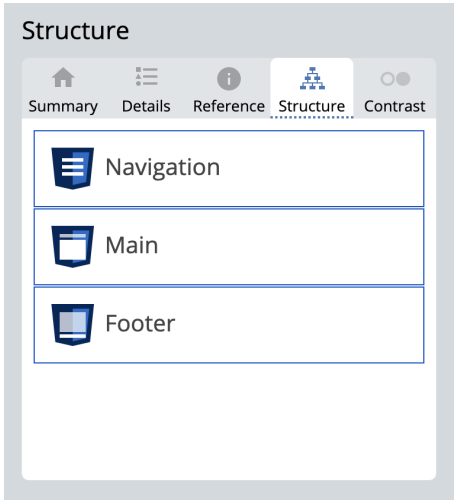




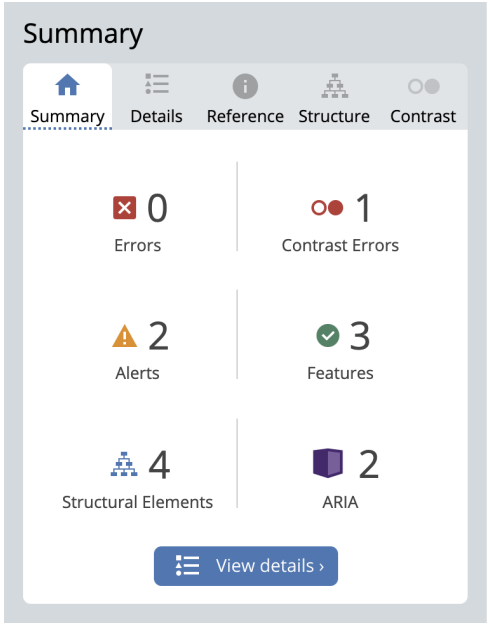
EasyA page:

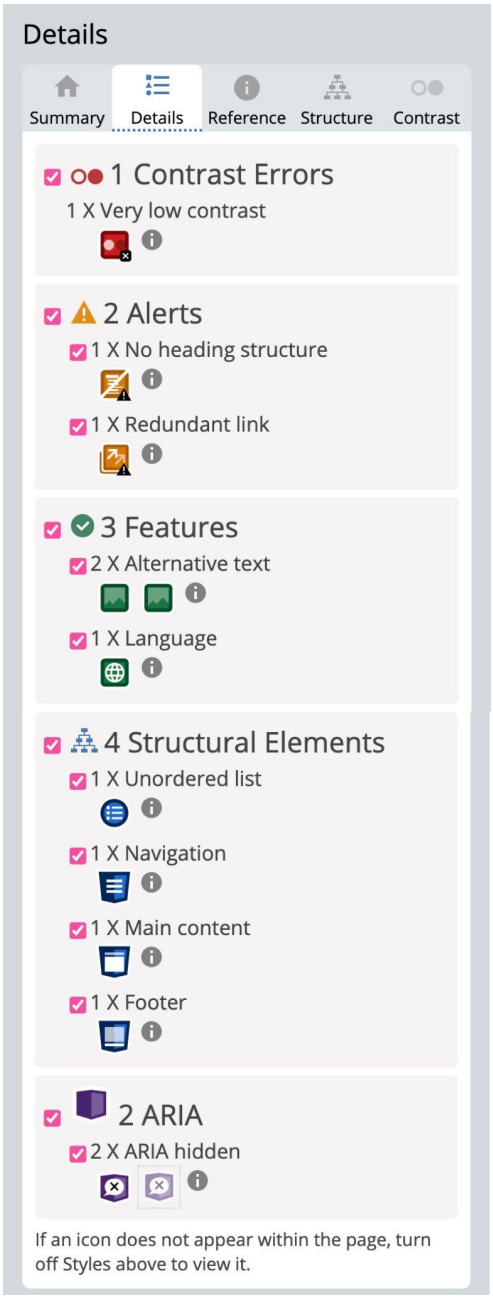

Summary
Summary
Details
Reference
Structure
Contrast
0
Errors
1
Contrast Errors
2
Alerts
16
Features
4
Structural Elements
2
ARIA
View details ›

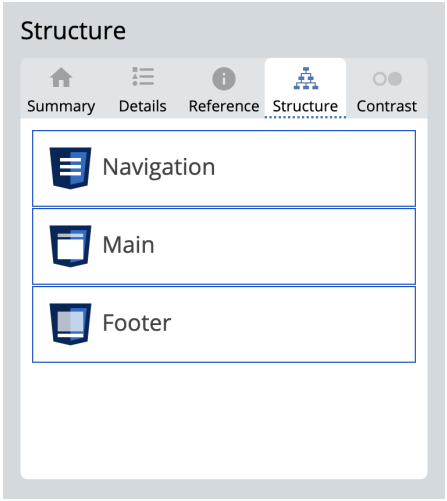

Details
Summary
Details
Reference
Structure
Contrast
1 Contrast Errors
1 X Very low contrast
2 Alerts
1 X No heading structure
1 X Very small text
16 Features
15 X Alternative text
1 X Language
4 Structural Elements
1 X Unordered list
1 X Navigation
1 X Main content
1 X Footer
2 ARIA
2 X ARIA hidden
If an icon does not appear within the page, turn off Styles above to view it.


Structure
Summary
Details
Reference
Structure
Contrast
Navigation
Main
Footer

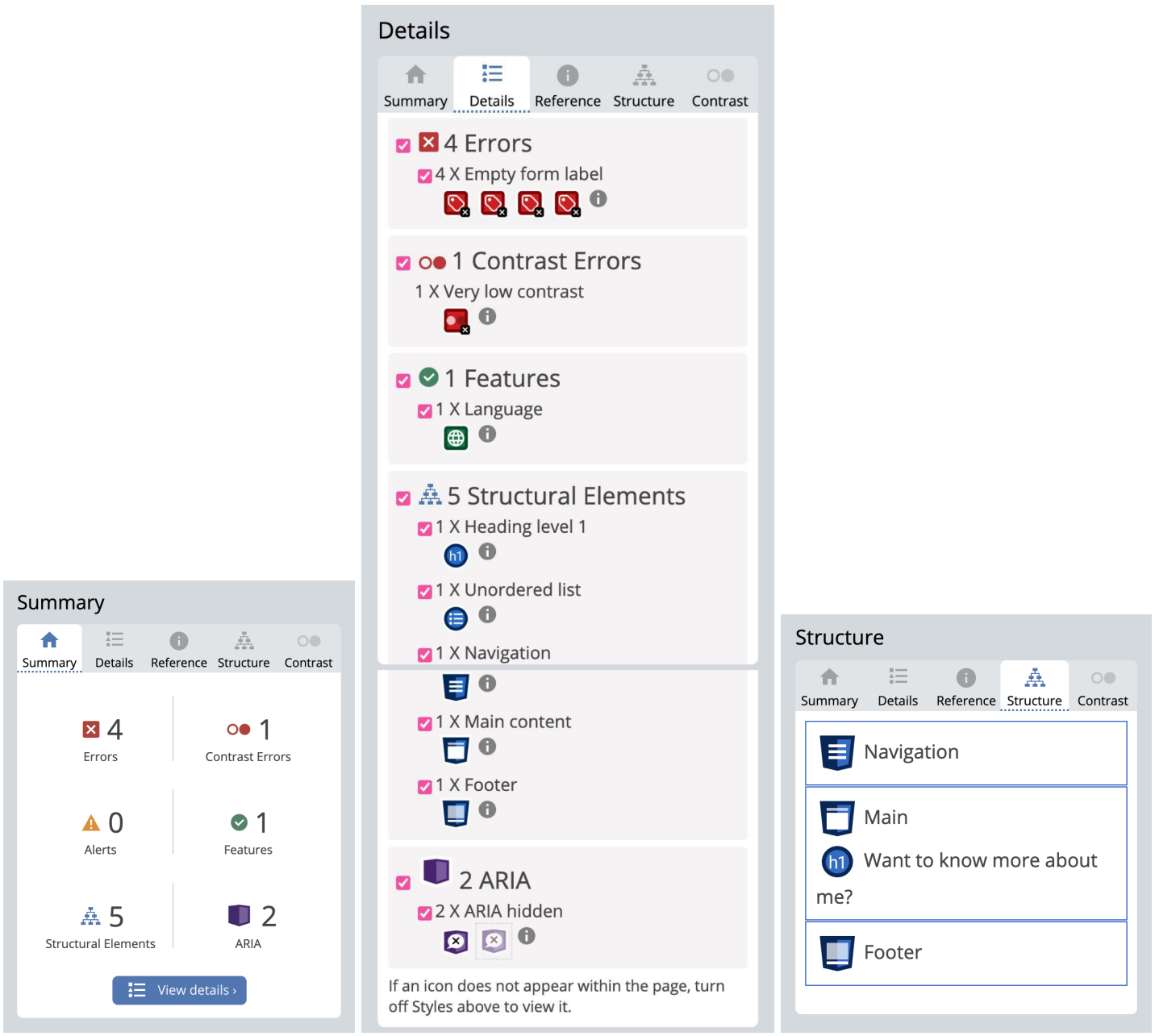
River otter page:







Contact page:



*False alarm for the “4 x empty form label”. I did labeling in a different way. Please see the screenshot below.

Name

Email

Subject

Say anything in your mind..

Send