

**Part 1:**

The purpose of my website is for me to have a tangible design portfolio that features my work and skills. It showcases the series of projects I've worked on along with my abilities, creativity, and range of expertise. It also conveys my personal style and documents my growth as a designer. In my website, I convey who I am, the skills I have, and the reviews from others who have worked with me. I also convey the projects I've worked on, their goals, how we hit those goals, the timeline, and more information about how the projects were tackled. I share photos and links to what the final product looked like. My portfolio is interesting and engaging as it uses several different animations to show my skills, who I am, and the outcome of my projects; it uses the swiper effect to build intrigue. I think it'll be engaging to viewers because they can also see when each project was completed, and how I've progressed as a designer throughout these projects. My target audience is prospective employers who want to see what I've done in a concise form. I wanted to create a portfolio because I don't currently have one, and I thought it would be beneficial to showcase my skills, experience and quality of work in one place. My interface can be tested on laptop (1280 x 832), tablet, and mobile (390 x 844). The accessibility checks are in the Appendix below.

**Part 2:**

The instructions for replicating these actions will be based on the laptop screen size.

- Buttons
  - On the "Home" page, click "My Projects" in the center of the page.
- Icons
  - On the top right corner of each page, clicking on the social media icon of the user's choice brings the user to my respective social media pages.
  - Clicking on my logo takes the user back to the home page.
  - On every page, an arrow appears at the bottom right corner when users reach the bottom. Clicking on this arrow navigates the user back to the top of the page.
- Tabs
  - Hovering over the tabs in the center of the header will result in a color change, pink line animation, and will bring the user to the respective page.
- Project Filter Buttons
  - On the "Projects" page, the tabs that say "All", "Studio 1", "Studio 2", and "Other" result in the sorting of my projects into these categories.
- Project Details Link
  - Hover over a project and click on the link icon.
- Swiper
  - On each project details page, the photo swiper beneath the images automatically transitions, and users can expedite the change by clicking on the individual circles.
  - The same concept applies to the testimonials at the bottom of the "About" page.

- Arrows
  - On each project details page, there are arrows on the right and left side of the page to allow users to move from each project details page.
- Spotify API
  - On my “About” page, the Tate McRae widget allows users to save her on Spotify, directly play her songs from my page, and listen to her top 10 songs.

### **Part 3:**

- Spotify API
- A huge part of myself is how much I listen to music, so I wanted to share that with the people viewing my portfolio. I wanted to include my favorite artist, Tate McRae, into this as I’m a huge fan of hers and something I’m super excited for is the launch of her sophomore album on December 8.
- I added it to my “about” page because it seemed most fitting to share this information when viewers are learning about me. I included Tate McRae’s Spotify profile, which includes her top 10 songs.
- It adds more personality into my website along with a potential bonding moment with viewers. It also adds more interaction as viewers would probably be curious and can immediately listen to her music straight from my portfolio.

### **Part 4:**

My original concept was a website that targeted CMU students to help them decide what to eat on campus. The website would allow students to choose from a drop down menu of cuisine, distance, and price, and then it would give the students a dining location to go to. It would give the student directions from their current location as well as reviews of that dining location. After working on the original concept for 1.5 weeks, I realized it was not in my scope, so I pivoted to creating a web portfolio. This had been one of my proposals in FP1, so I had a rough concept in my mind already. Since I’m starting my job search next semester, this portfolio would be very beneficial to present alongside my resume, so I decided to pivot to a portfolio.

### **Part 5:**

A challenge I experienced when implementing my website was ensuring that my website was accessible after putting it through WAVE. I spent a lot of time figuring out how to make links that were attached to icons accessible by using the `<span>` tag, so that I could label the item. I also didn’t realize the degrees of contrast that were not accessible, and I had to change the darkness of the pink I was using so that it was accessible. WAVE has taught me what to be attentive to and has enlightened the way I develop websites in the future.

## Appendix

### Appendix A: About Page from WAVE

The screenshot displays the WAVE web accessibility evaluation tool interface. The top header shows the WAVE logo, "powered by WebAIM", and the address "https://kwang934.github.io/pui-hw-kristyw/F". A toggle switch for "Styles" is set to "ON". The "Summary" view is active, showing a grid of results: 0 Errors, 0 Contrast Errors, 4 Alerts, 12 Features, 28 Structural Elements, and 45 ARIA. A "View details" button is at the bottom. The "Details" view on the right lists specific findings: 4 Alerts (1 X Suspicious alternative text, 1 X Missing first level heading, 1 X Redundant link, 1 X Link to PDF document), 12 Features (10 X Alternative text, 1 X Linked image with alternative text, 1 X Language), 28 Structural Elements (3 X Heading level 2, 10 X Heading level 3, 9 X Heading level 4, 1 X Unordered list, 1 X Inline frame, 1 X Header, 1 X Navigation, 1 X Main content, 1 X Footer), and 45 ARIA (21 X ARIA, 16 X ARIA label, 3 X ARIA tabindex, 2 X ARIA alert or live region, 3 X ARIA button).

WAVE web accessibility evaluation tool powered by WebAIM

Address: <https://kwang934.github.io/pui-hw-kristyw/F>

Styles: OFF ☒ ON

**Summary**

Summary Details Reference Order Structure Contrast

0 Errors 0 Contrast Errors

4 Alerts 12 Features

28 Structural Elements 45 ARIA

[View details](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

**Details**

Summary Details Reference Order Structure Contrast

4 Alerts

- ☐ 1 X Suspicious alternative text
- ☐ 1 X Missing first level heading
- ☐ 1 X Redundant link
- ☐ 1 X Link to PDF document

12 Features

- ☐ 10 X Alternative text
- ☐ 1 X Linked image with alternative text
- ☐ 1 X Language

28 Structural Elements

- ☐ 3 X Heading level 2
- ☐ 10 X Heading level 3
- ☐ 9 X Heading level 4
- ☐ 1 X Unordered list
- ☐ 1 X Inline frame
- ☐ 1 X Header
- ☐ 1 X Navigation
- ☐ 1 X Main content
- ☐ 1 X Footer

45 ARIA

- ☐ 21 X ARIA
- ☐ 16 X ARIA label
- ☐ 3 X ARIA tabindex
- ☐ 2 X ARIA alert or live region
- ☐ 3 X ARIA button

### Appendix B: Home Page from WAVE

The screenshot displays the WAVE web accessibility evaluation tool interface. The top header shows the WAVE logo, "powered by WebAIM", and the address "https://kwang934.github.io/pui-hw-kristyw/F". A toggle switch for "Styles" is set to "ON". The "Summary" view is active, showing a grid of results: 0 Errors, 0 Contrast Errors, 2 Alerts, 2 Features, 6 Structural Elements, and 8 ARIA. A "View details" button is at the bottom. The "Details" view on the right lists specific findings: 2 Alerts (1 X Suspicious alternative text, 1 X Redundant link), 2 Features (1 X Linked image with alternative text, 1 X Language), 6 Structural Elements (1 X Heading level 1, 1 X Heading level 2, 1 X Unordered list, 1 X Header, 1 X Navigation, 1 X Footer), and 8 ARIA (4 X ARIA, 4 X ARIA label). A note at the bottom states: "If an icon does not appear within the page, turn off Styles above to view it."

WAVE web accessibility evaluation tool powered by WebAIM

Address: <https://kwang934.github.io/pui-hw-kristyw/F>

Styles: OFF ☒ ON

**Summary**

Summary Details Reference Order Structure Contrast

0 Errors 0 Contrast Errors

2 Alerts 2 Features

6 Structural Elements 8 ARIA

[View details](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

**Details**

Summary Details Reference Order Structure Contrast

2 Alerts

- ☐ 1 X Suspicious alternative text
- ☐ 1 X Redundant link

2 Features

- ☐ 1 X Linked image with alternative text
- ☐ 1 X Language

6 Structural Elements

- ☐ 1 X Heading level 1
- ☐ 1 X Heading level 2
- ☐ 1 X Unordered list
- ☐ 1 X Header
- ☐ 1 X Navigation
- ☐ 1 X Footer

8 ARIA

- ☐ 4 X ARIA
- ☐ 4 X ARIA label

If an icon does not appear within the page, turn off Styles above to view it.

## Appendix C: Projects Page from WAVE

**WAVE** powered by WebAIM  
web accessibility evaluation tool

Address: <https://kwang934.github.io/pui-hw-kristyw/F>

Styles: OFF ☒ ON

### Summary

Summary Details Reference Order Structure Contrast

0 Errors	0 Contrast Errors
4 Alerts	10 Features
15 Structural Elements	8 ARIA

[View details](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

### Details

Summary Details Reference Order Structure Contrast

- ☒ 4 Alerts
  - ☐ 1 X Suspicious alternative text
  - ☐ 1 X Missing first level heading
  - ☐ 1 X Skipped heading level
  - ☐ 1 X Redundant link
- ☒ 10 Features
  - ☐ 8 X Alternative text
  - ☐ 1 X Linked image with alternative text
  - ☐ 1 X Language
- ☒ 15 Structural Elements
  - ☐ 1 X Heading level 2
  - ☐ 8 X Heading level 4
  - ☐ 2 X Unordered list
  - ☐ 1 X Header
  - ☐ 1 X Navigation
  - ☐ 1 X Main content
  - ☐ 1 X Footer
- ☒ 8 ARIA
  - ☐ 4 X ARIA
  - ☐ 4 X ARIA label

If an icon does not appear within the page, turn off Styles above to view it.

## Appendix D: PetPals Project Page from WAVE

**WAVE** powered by WebAIM  
web accessibility evaluation tool

Address: <https://kwang934.github.io/pui-hw-kristyw/F>

Styles: OFF ☒ ON

### Summary

Summary Details Reference Order Structure Contrast

0 Errors	0 Contrast Errors
2 Alerts	7 Features
3 Structural Elements	30 ARIA

[View details](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

### Details

Summary Details Reference Order Structure Contrast

- ☒ 2 Alerts
  - ☐ 1 X Missing first level heading
  - ☐ 1 X Skipped heading level
- ☒ 7 Features
  - ☐ 6 X Alternative text
  - ☐ 1 X Language
- ☒ 3 Structural Elements
  - ☐ 1 X Heading level 2
  - ☐ 1 X Heading level 6
  - ☐ 1 X Main content
- ☒ 30 ARIA
  - ☐ 9 X ARIA
  - ☐ 11 X ARIA label
  - ☐ 4 X ARIA tabindex
  - ☐ 2 X ARIA alert or live region
  - ☐ 4 X ARIA button

If an icon does not appear within the page, turn off Styles above to view it.

## Appendix E: Alpha Phi Webpage from WAVE

The screenshot shows the WAVE accessibility tool interface. At the top, it says "powered by WebAIM". The address bar shows "https://kwang934.github.io/pui-hw-kristyw/F". Below the address bar, there is a "Styles" toggle set to "ON". The "Summary" section displays four categories: Errors (0), Contrast Errors (0), Alerts (2), and Features (7). Below these, it shows Structural Elements (3) and ARIA (30). A "View details" button is present. The "Details" section on the right lists the following issues:

- 2 Alerts
  - 1 X Missing first level heading
  - 1 X Skipped heading level
- 7 Features
  - 6 X Alternative text
  - 1 X Language
- 3 Structural Elements
  - 1 X Heading level 2
  - 1 X Heading level 6
  - 1 X Main content
- 30 ARIA
  - 9 X ARIA
  - 11 X ARIA label
  - 4 X ARIA tabindex
  - 2 X ARIA alert or live region
  - 4 X ARIA button

At the bottom of the summary, it says: "Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility."

## Appendix F: Bun Bun Bake Shop from WAVE

The screenshot shows the WAVE accessibility tool interface. At the top, it says "powered by WebAIM". The address bar shows "https://kwang934.github.io/pui-hw-kristyw/F". Below the address bar, there is a "Styles" toggle set to "ON". The "Summary" section displays four categories: Errors (0), Contrast Errors (0), Alerts (2), and Features (6). Below these, it shows Structural Elements (3) and ARIA (25). A "View details" button is present. The "Details" section on the right lists the following issues:

- 2 Alerts
  - 1 X Missing first level heading
  - 1 X Skipped heading level
- 6 Features
  - 5 X Alternative text
  - 1 X Language
- 3 Structural Elements
  - 1 X Heading level 2
  - 1 X Heading level 6
  - 1 X Main content
- 25 ARIA
  - 8 X ARIA
  - 9 X ARIA label
  - 3 X ARIA tabindex
  - 2 X ARIA alert or live region
  - 3 X ARIA button

At the bottom of the summary, it says: "Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility."

## Appendix G: Duquesne Incline from WAVE

The screenshot shows the WAVE tool interface for the URL <https://kwang934.github.io/pui-hw-kristyw/F>. The 'Styles' toggle is set to 'ON'. The 'Summary' section displays the following counts: 0 Errors, 0 Contrast Errors, 2 Alerts, 6 Features, 3 Structural Elements, and 25 ARIA. A 'View details' button is present. The 'Details' section on the right provides a breakdown of these counts:

- 2 Alerts**
  - ☐ 1 X Missing first level heading
  - ☐ 1 X Skipped heading level
- 6 Features**
  - ☐ 5 X Alternative text
  - ☐ 1 X Language
- 3 Structural Elements**
  - ☐ 1 X Heading level 2
  - ☐ 1 X Heading level 6
  - ☐ 1 X Main content
- 25 ARIA**
  - ☐ 8 X ARIA
  - ☐ 9 X ARIA label
  - ☐ 3 X ARIA tabindex
  - ☐ 2 X ARIA alert or live region
  - ☐ 3 X ARIA button

If an icon does not appear within the page, turn off Styles above to view it.

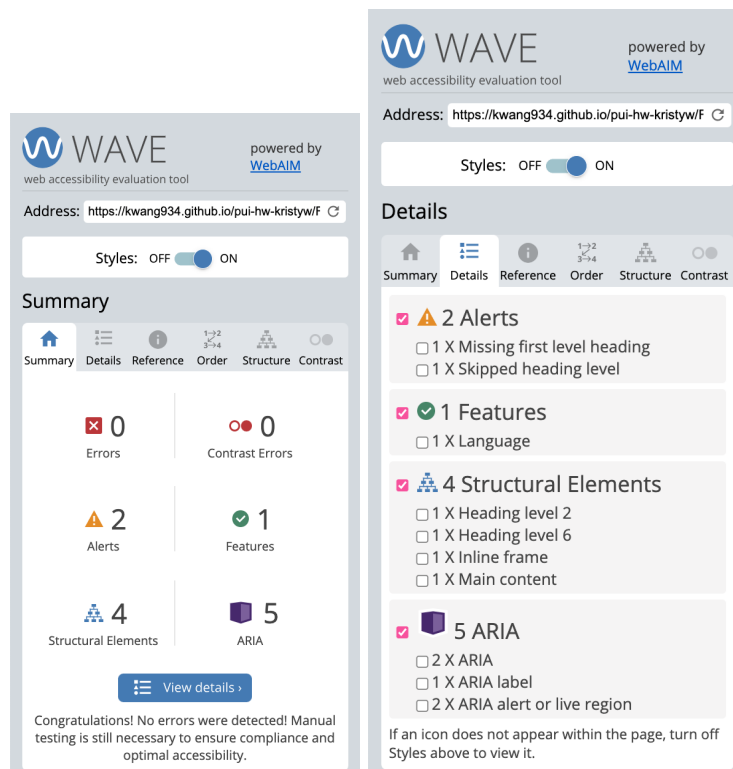
## Appendix H: Nova from WAVE

The screenshot shows the WAVE tool interface for the URL <https://kwang934.github.io/pui-hw-kristyw/F>. The 'Styles' toggle is set to 'ON'. The 'Summary' section displays the following counts: 0 Errors, 0 Contrast Errors, 2 Alerts, 1 Feature, 4 Structural Elements, and 5 ARIA. A 'View details' button is present. The 'Details' section on the right provides a breakdown of these counts:

- 2 Alerts**
  - ☐ 1 X Missing first level heading
  - ☐ 1 X Skipped heading level
- 1 Features**
  - ☐ 1 X Language
- 4 Structural Elements**
  - ☐ 1 X Heading level 2
  - ☐ 1 X Heading level 6
  - ☐ 1 X Inline frame
  - ☐ 1 X Main content
- 5 ARIA**
  - ☐ 2 X ARIA
  - ☐ 1 X ARIA label
  - ☐ 2 X ARIA alert or live region

If an icon does not appear within the page, turn off Styles above to view it.

## Appendix I: Paige from WAVE



The screenshot shows the WAVE web accessibility evaluation tool interface. The top bar includes the WAVE logo, "powered by WebAIM", and the address "https://kwang934.github.io/pui-hw-kristyw/f". A toggle switch for "Styles" is set to "ON". The "Summary" section displays a grid of results: 0 Errors, 0 Contrast Errors, 2 Alerts, 1 Feature, 4 Structural Elements, and 5 ARIA. A "View details" button is at the bottom. The "Details" section on the right provides a breakdown of these results.

**Summary**

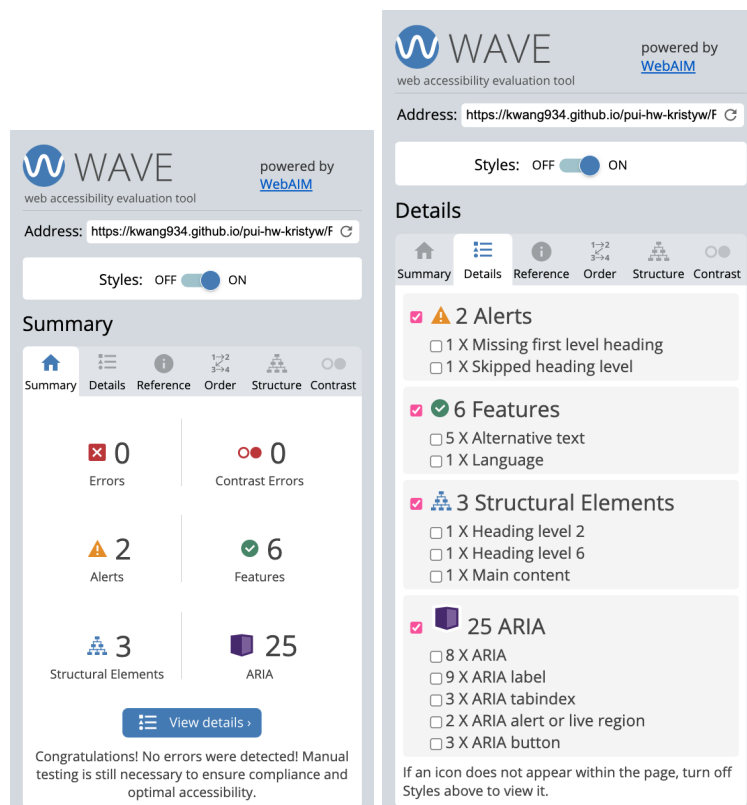
Category	Count
Errors	0
Contrast Errors	0
Alerts	2
Features	1
Structural Elements	4
ARIA	5

**Details**

- 2 Alerts**
  - ☐ 1 X Missing first level heading
  - ☐ 1 X Skipped heading level
- 1 Features**
  - ☐ 1 X Language
- 4 Structural Elements**
  - ☐ 1 X Heading level 2
  - ☐ 1 X Heading level 6
  - ☐ 1 X Inline frame
  - ☐ 1 X Main content
- 5 ARIA**
  - ☐ 2 X ARIA
  - ☐ 1 X ARIA label
  - ☐ 2 X ARIA alert or live region

If an icon does not appear within the page, turn off Styles above to view it.

## Appendix J: Zoo from WAVE



The screenshot shows the WAVE web accessibility evaluation tool interface for the "Zoo" page. The top bar includes the WAVE logo, "powered by WebAIM", and the address "https://kwang934.github.io/pui-hw-kristyw/f". A toggle switch for "Styles" is set to "ON". The "Summary" section displays a grid of results: 0 Errors, 0 Contrast Errors, 2 Alerts, 6 Features, 3 Structural Elements, and 25 ARIA. A "View details" button is at the bottom. The "Details" section on the right provides a breakdown of these results.

**Summary**

Category	Count
Errors	0
Contrast Errors	0
Alerts	2
Features	6
Structural Elements	3
ARIA	25

**Details**

- 2 Alerts**
  - ☐ 1 X Missing first level heading
  - ☐ 1 X Skipped heading level
- 6 Features**
  - ☐ 5 X Alternative text
  - ☐ 1 X Language
- 3 Structural Elements**
  - ☐ 1 X Heading level 2
  - ☐ 1 X Heading level 6
  - ☐ 1 X Main content
- 25 ARIA**
  - ☐ 8 X ARIA
  - ☐ 9 X ARIA label
  - ☐ 3 X ARIA tabindex
  - ☐ 2 X ARIA alert or live region
  - ☐ 3 X ARIA button

If an icon does not appear within the page, turn off Styles above to view it.

## Appendix K: Pelican Sport from WAVE

The image displays two screenshots of the WAVE (Web Accessibility Evaluation Tool) interface, powered by WebAIM. Both screenshots show the tool evaluating the URL: <https://kwang934.github.io/pui-hw-kristyw/F>.

**Left Screenshot (Summary View):**

- Header:** WAVE logo, "powered by WebAIM", and "web accessibility evaluation tool".
- Address Bar:** <https://kwang934.github.io/pui-hw-kristyw/F>
- Styles:** A toggle switch set to "ON".
- Summary Section:** A navigation bar with tabs: Summary, Details, Reference, Order, Structure, Contrast.
- Summary Data:**
  - Errors: 0 (represented by a red X icon)
  - Contrast Errors: 0 (represented by a red circle icon)
  - Alerts: 2 (represented by a yellow triangle icon)
  - Features: 8 (represented by a green checkmark icon)
  - Structural Elements: 3 (represented by a blue triangle icon)
  - ARIA: 35 (represented by a purple square icon)
- Message:** "Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility."
- Button:** "View details >"

**Right Screenshot (Details View):**

- Header:** WAVE logo, "powered by WebAIM", and "web accessibility evaluation tool".
- Address Bar:** <https://kwang934.github.io/pui-hw-kristyw/F>
- Styles:** A toggle switch set to "ON".
- Details Section:** A navigation bar with tabs: Summary, Details, Reference, Order, Structure, Contrast.
- Alerts:** 2 Alerts
  - ☐ 1 X Missing first level heading
  - ☐ 1 X Skipped heading level
- Features:** 8 Features
  - ☐ 7 X Alternative text
  - ☐ 1 X Language
- Structural Elements:** 3 Structural Elements
  - ☐ 1 X Heading level 2
  - ☐ 1 X Heading level 6
  - ☐ 1 X Main content
- ARIA:** 35 ARIA
  - ☐ 10 X ARIA
  - ☐ 13 X ARIA label
  - ☐ 5 X ARIA tabindex
  - ☐ 2 X ARIA alert or live region
  - ☐ 5 X ARIA button
- Footer:** "If an icon does not appear within the page, turn off Styles above to view it."