

Student Resource Portal - Deliverable #3

Tablet/Desktop Website

Date:

Project Purpose

The UMSI Student Success team seeks to improve its web presence by designing a new website to better help students understand and locate resources available to them. The new site will feature an accessible and responsive design that works on multiple devices, a modern look and feel, and a refreshed site architecture and site content.

[Client Project Scope Document](#)

Contacts:

- Maya Schneider myschne@umich.edu

URL's

- Published Website URL: https://myschne.github.io/client_project_w25/
- Github Repo URL:https://github.com/myschne/client_project_w25

Our Commitment:

Deliverable #3 - Mobile website

- This will include all of the content in one or more styled html files
- This will build on the mobile first design - the default web design (CSS) is for mobile devices and smartphones
- This means that the larger screen styling will be built on top of the default/mobile screen design.

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- This website will be responsive and all content will be viewable at larger screen sizes
- This website will be fully accessible and will pass accessibility validators such as WAVE and Axe
- It will iterate on feedback given for Deliverable #2

Meets Client's Objectives

Explain how you iterated on feedback given for Deliverable #2 or how you iterated on your mobile design.

In response to the feedback provided for Deliverable #2, I focused on refining the user experience and design based on usability insights and accessibility recommendations. For example, I enhanced the layout's responsiveness, ensuring that it adjusts seamlessly across different screen sizes. Additionally, I incorporated suggestions related to the font size and contrast, improving readability for all users. I also focused on better organizing the content, making it easier to find key resources and navigate between sections.

Explain how your design optimizes site content and images to work on larger devices such as tablets or desktops.

Include in this explanation which screen-size you designed for.

How did you ensure these updates fit their requirements of a visually appealing modern website that fits within [UM's Branding Guidelines](#)

To ensure the website performs well on larger devices like tablets and desktops, I designed a flexible grid-based layout that adapts as the screen size increases. Specifically, I targeted screen sizes such as 768px (tablet) and 1024px (desktop). As the screen size grows, the design shifts to a multi-column layout, providing more space for content without overwhelming the user. The font sizes, images, and overall design scale to maintain readability and an appealing aesthetic. I ensured the design followed UM's Branding Guidelines, particularly in the use of U-M Blue (#00274C) and Maize (#FFCB05), and adhered to modern web design principles for clean, easy-to-read layouts.

Explain what your unique/challenging contribution was for Deliverable #3 that helps your clients meet their goals, but wasn't asked for in an earlier deliverable.

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One of my unique contributions for Deliverable #3 was the addition of an interactive accessibility feature, allowing users to toggle between different contrast modes (light, dark, and high contrast). This wasn't part of the earlier deliverables but was added to enhance the website's accessibility. This feature provides an immediate improvement for users with visual impairments, which directly aligns with the project's goal of creating a more inclusive digital experience.

Explain how you ensured that your site is fully accessible and usable for all students - including those with different disabilities.

To ensure the site is fully accessible, I implemented several strategies:

Text Resizing & Readability: I used relative units like em and rem for font sizes to ensure that users can adjust text according to their needs.

Color Contrast: I carefully checked the color contrast ratios using tools like the WAVE and Axe accessibility validators to meet WCAG 2.1 standards.

Keyboard Navigation: The site is fully navigable via keyboard, allowing users with motor disabilities to move through the site effectively.

Alt Text for Images: I made sure that all images on the site have appropriate alt text for screen readers.

Accessible Forms: Any forms on the site are fully accessible, with clear labels and error messages for users relying on assistive technologies.

Explain how you designed your 404 page and how you decided what to put on that page to help your end-users.

The 404 page was designed to maintain user engagement in case of an error. Instead of just displaying a standard error message, I added a picture from the UofM image library and a "Back to Home" link. The layout is simple yet effective, ensuring users can quickly navigate to the right content. I also kept the design consistent with the overall site, using U-M Blue and Maize colors and ensuring that it matched the modern, responsive look.

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Project Cost for Deliverable #3 Mobile Website

[enter your responses in the table below]

Item	Hours	Price	Total
Accessibility Testing	2	\$110/hour	\$220
Accessibility Fixes	2	\$110/hour	\$220
Navigation	2	\$110/hour	\$220
Responsive Design Work	2	\$110/hour	\$220
Additional html & content work	2	\$110/hour	\$220
Unique Addition for Deliverable #3	2	\$110/hour	\$220
New 404 Page	0.5	\$110/hour	\$55
Javascript (including for footer)	0.5	\$110/hour	\$55
Other see below*		\$110/hour	
Total Costs:	13		\$1,440

* If there are other items you worked on for the website outside of what was listed in the Project Costs

Project Costs for Other include:

- [enter your response here]

Appendix

Appendix A: Accessibility Validation

[include screenshots here of every page of your live site run through WAVE & Axe]

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The following apply to the entire page:

WAVE web accessibility evaluation tool

powered by WebAIM

Styles: OFF ON

Summary

Category	Count	Description
Errors	0	None detected.
Contrast Errors	0	None detected.
Alerts	0	None detected.
Features	8	8 features identified.
Structural Elements	18	18 structural elements identified.
ARIA	1	1 ARIA element identified.

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



The following apply to the entire page:

WAVE web accessibility evaluation tool

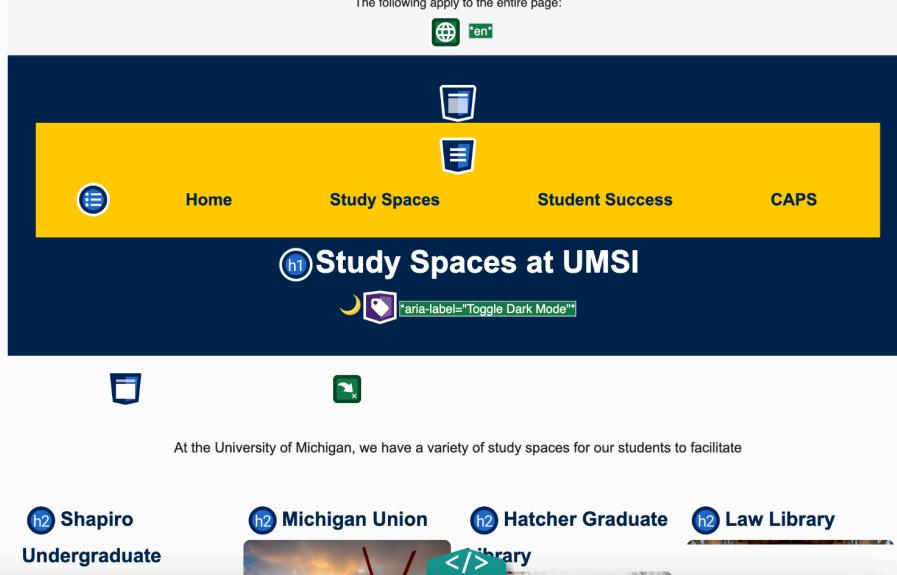
powered by WebAIM

Styles: OFF ON

Summary

Category	Count	Description
Errors	0	None detected.
Contrast Errors	0	None detected.
Alerts	0	None detected.
Features	7	7 features identified.
Structural Elements	10	10 structural elements identified.
ARIA	1	1 ARIA element identified.

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



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The screenshot shows the WAVE web accessibility evaluation tool interface. On the left, there's a summary panel with various metrics: Errors (0), Contrast Errors (0), Alerts (0), Features (4), Structural Elements (11), and ARIA (1). A 'View details' button is also present. The main area displays the evaluated page, which is a dark-themed version of the UMSI Academic Support website. The page includes a header with icons for Home, Study Spaces, Student Success, and CAPS, and a prominent 'Academic Support at UMSI' heading. A dark mode toggle switch is visible. Below the header is a photograph of a person. The WAVE tool interface has a 'Styles: OFF ON' toggle switch at the top, and a 'powered by WebAIM' logo.

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The following apply to the entire page:

Styles: OFF ON

Summary

Category	Count
Errors	0
Contrast Errors	0
Alerts	0
Features	4
Structural Elements	10
ARIA	2

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

Home Study Spaces Student Success CAPS

Counseling and Psychological Services

Toggle Dark Mode

</>

Dimensions: Responsive 948 x 915 66% No throttling

DevTools axe-core 4.10.3

The axe DevTools extension successfully updated to v4.103.6. [View v4.103.6 release notes.](#)

Test Name

Test URL https://myschne.github.io/client_project_w25/index.html

TOTAL ISSUES	Automatic Issues	0
	Guided Issues	0
	Manual Issues	0
	Critical	0 Serious
	Moderate	0 Minor

Best Practices: ON WCAG 2.1 AA Export

Dimensions: Responsive 948 x 915 66% No throttling

DevTools axe-core 4.10.3

The axe DevTools extension successfully updated to v4.103.6. [View v4.103.6 release notes.](#)

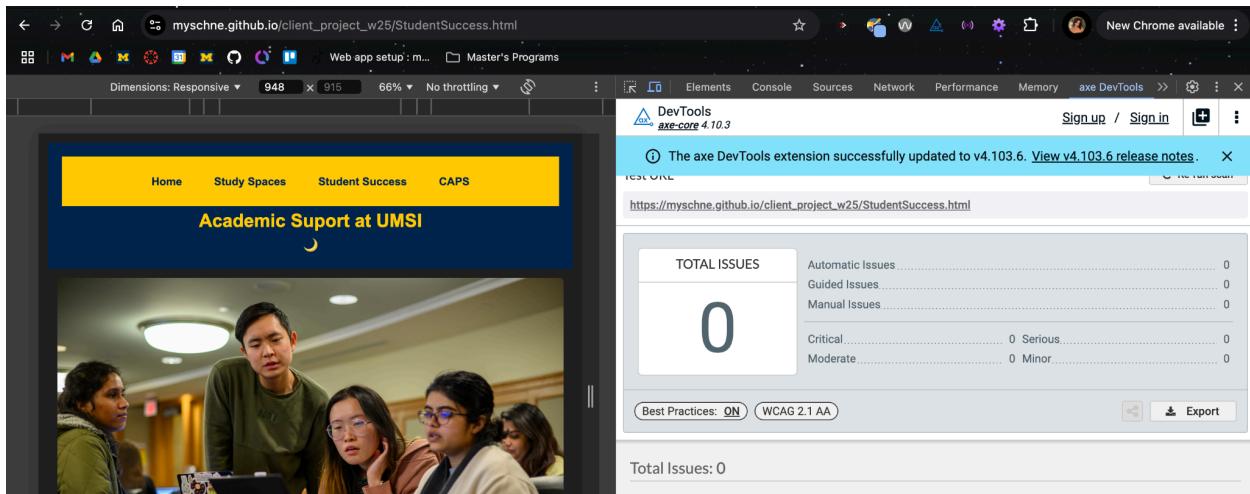
Test URL https://myschne.github.io/client_project_w25/StudySpaces.html

TOTAL ISSUES	Automatic Issues	0
	Guided Issues	0
	Manual Issues	0
	Critical	0 Serious
	Moderate	0 Minor

Best Practices: ON WCAG 2.1 AA Export

Total Issues: 0

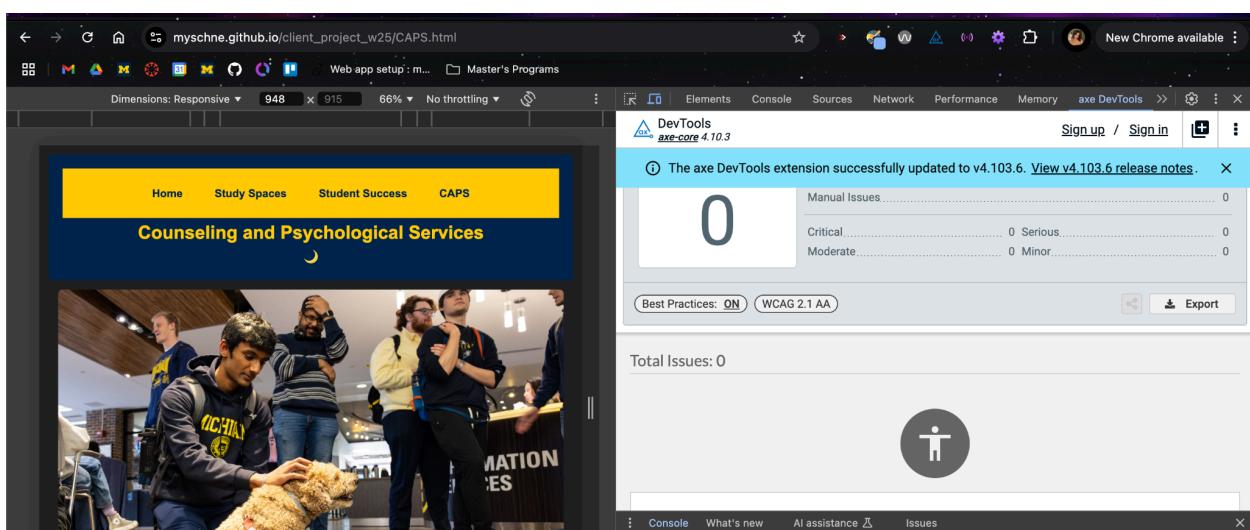
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The screenshot shows the Student Success website (https://myschne.github.io/client_project_w25/StudentSuccess.html) in a browser with the axe DevTools extension active. The extension has successfully updated to v4.103.6. The results show zero total issues, with breakdowns of automatic, guided, and manual issues, and further subdivisions by severity (Critical, Moderate, Serious, Minor).

Type	Sub-Type	Count
Automatic Issues		0
Guided Issues		0
Manual Issues		0
Critical	0 Serious	0
Moderate	0 Minor	0

Total Issues: 0



The screenshot shows the Counseling and Psychological Services (CAPS) website (https://myschne.github.io/client_project_w25/CAPS.html) in a browser with the axe DevTools extension active. The extension has successfully updated to v4.103.6. The results show zero total issues, with breakdowns of manual issues and severity levels.

Type	Sub-Type	Count
Manual Issues		0
Critical	0 Serious	0
Moderate	0 Minor	0

Total Issues: 0