Assignment 8 Final Project

PUI Section C
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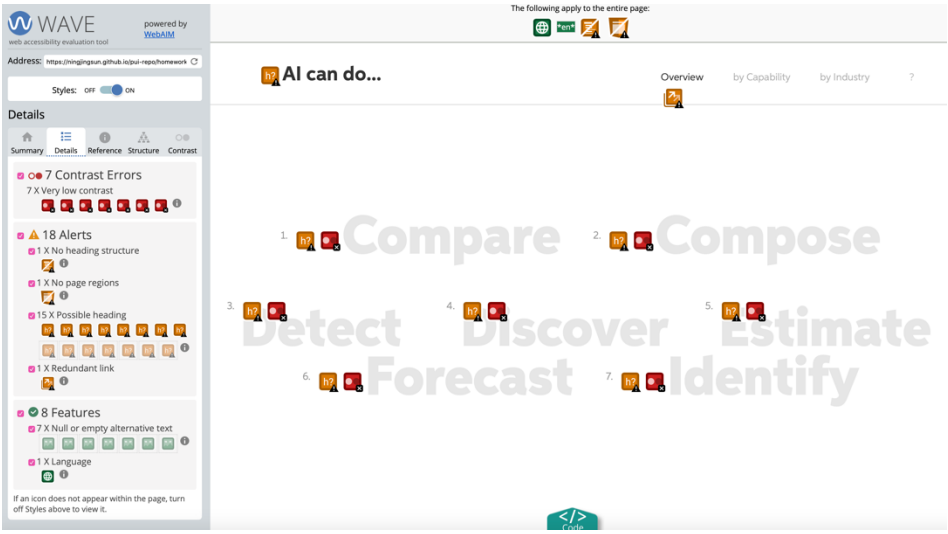
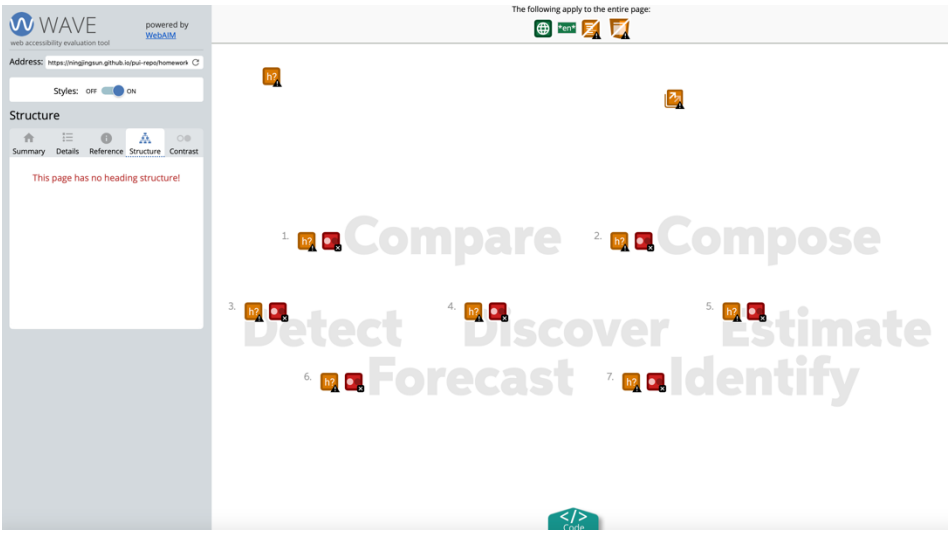
1. Link to website:
    a. https://ningjingsun.github.io/pui-repo/homework_8/overview.html
2. Link to GitHub repository:
    a. https://github.com/ningjingsun/pui-repo/blob/main/README.md
3. Link to figma prototype:
    a. https://www.figma.com/file/HRBmhw7yCC9Se7bXcZDETn/AI-capability-form?node-id=58%3A2
4. Accessibility – WAVE tool:
    a. Summary:
        i. All errors on my website are Contrast Errors. However I'm hoping to provide some interactive experience here: when the users hovers on the grey text, the text will change to a color with higher-contrast, which would be user friendly.
        ii. 

    b. Details:
        i. 

c. Structure:
   i. 

5. Write-Up:
   a. Part I
      i. Purpose of website: This semester I'm doing an independent study under the guidance of professor John Zimmerman to develop a taxonomy of AI capabilities. This taxonomy aims to support professional product designers and UX designers to better envision new products and services that integrate AI capabilities, and also to bridge the gap of conceptual models between designers and developers. For this assignment I hope to create a website to publish the taxonomy online so that the general audience could have access to the learning materials.
      i. Information conveyed with the website: The website would present seven key categories of AI capabilities, twelve industries with applications of AI, and real life examples of those AI capabilities in more details including the workflow sequences and data types being used. Some texts are still being updated.
      ii. Interesting and engaging:
         1. On the home page, the users can sort the cards their industries, capabilities and input data types.
         2. On the home page, the users could also use the filters at the left side to filter the cards.
         3. I would also develop the UIs, icons and color system to make the interface visually engaging.
      iii. Target audience: Professional product designers, UX designers, startups, and any other people who want to visualize new product/services using AI capabilities.
   b. Part II (bullet point list to describe how user would interact with the website; the interaction type, e.g. click on X on page Y, scroll on page X, etc.)
      i. On the boarding page, the users would have a quick overview of all the AI capabilities. The user could click on the title of each of the seven

capabilities to see a pop up window of the description of that specific capability.

ii. On the capability/industry page, the users could scroll the page and view all AI task cards. The users could also click on the checkbox on the left sides to filter the cards by their industry types or capability types.

iii. On the detail page, the users could click on the tags in "Sequences" to open the detail page of other AI applications within that same sequence.

c. Part III
    i. External tool 1
        1. jQuery Library
        2. Why I used it: jQuery can make event-handling easier for my website.
        3. How I used it: I used jQuery commands including .hide() and .show() to code the interactions for pop-up windows. I also use the same jQuery commands to implement the modal view of pop-up windows.
        4. What it added to my website: ths JavaScript library made micro-interactions on my websites more seamless.
    ii. External tool 2
        1. CSS animations
        2. Why I used it: To make my website more playful and engaging.
        3. How I used it: on the onboarding page I used animations to create the hover effects. When the users hover on the different title of AI capabilitis, the title will tilt and become highlighted.
        4. What it added to my website: the micro-animatoins make my website visually more interesting for users to engage with.
d. Part IV
    i. Iterations on my HW7 mockups
        1. Onboarding page: I chose a different visual style to make it interactively more engaging. When the users hover on the different title of AI capabilitis, the title will tilt and become highlighted. I hope to use the micro interactions
        2. Capability/industry page: I deleted the "Data Type" in the top right navigation bar. Since I already have around 20 filtering options, I deleted the data type filtering options to keep the website more simplistic.
        3. Detail page: for the "Sequences" part, since some of the sequences could be really long, I use a div box to contain the sequences so that users could vertically scroll the sequences without affecting the other parts of information on the webpage.
e. Part V
    i. Challenge:
        1. I had challenges while trying to implement the "All capabilities" and "All industry" checkbox. When check on/off these two buttons, all the other relevant buttons should also be check on/off

automatically. Eventually I wrote three functions for each of the buttons to implement the filtering functionalities.

2. Since there are many cards and HTML sub-pages to write, I learnt that it's important to set up a system for your self, e.g. a naming system of all the different colors. Someone recommended me a tool called Sass to better manage the CSS systems and I would try it sometime.