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Final Project
PUI

NOTE: Please test my interface in these 2 screen sizes: 1400 and 768.

Part 1:

The purpose of my website is for book lovers to be provided with an immersive reading experience by providing a combination of ambiance through videos and music to allow them to enjoy reading books. It also serves as a platform where they can have a personal bookshelf to keep track of books they have read. Throughout the website, I have a "Welcome" page that introduces any newcomer to what this website represents, a "How To" page for how to interact with the website, "Ambiance" pages with videos and music for people to read with in the background, and lastly, a virtual bookshelf page for users to add books. This website is interesting and engaging because it provides users with a multi-sensory reading experience. In my personal experience, reading in a room with no sound is a bit distracting - by combining the act of reading with ambiance and music, users can get fully immersed in the book experience. A different aspect of my website compared to other reading apps or websites is that it creates a private experience - Your book covers, the title of the text, your review, etc are based on your input. Nothing you don't want to be said on your bookshelf won't be. The target for my audience are book lovers who appreciate listening to music while reading in privacy, people who want to digitize their bookshelf, and general book enthusiasts.

Part 2:

How you can interact with my website:

1. Home Page
    a. “About” and “The Reading Nook” in Navigation.
        i. On click
        ii. User clicks on these links in the navigation area to head to the About page and back to the Home page, respectively.
    b. Welcome Message Animation
        i. Automatic on page load
        ii. When the user opens the home page or refreshes the home page, the welcome banner will appear with an animation.
    c. “Continue” in Hero Section
        i. On click
        ii. User clicks on the continue button to be led to the About page.

    d. Explanation of Website
        i. Reading/Viewing
        ii. User can scroll through and read the explanation of what you can do in my website, represented with emojis.
    e. “Read Now” above footer and See Bookshelf” above footer
        i. On click
        ii. Users can click on either of these buttons: One leads to the ambiance videos to read with, and the other leads to the virtual bookshelf page.
    f. Footer section
        i. Reading
        ii. User can scroll to the bottom of the page for information about the website owner.
2. About Page
    a. “About” and “The Reading Nook” in Navigation.
        i. On click
        ii. User clicks on these links in the navigation area to head to the About page and back to the Home page, respectively.
    b. Title Message Animation
        i. Automatic on page load
        ii. Users can view the animated text title as the page loads and as the user refreshes the page.
    c. Step by Step Animation
        i. Automatic on page load
        ii. Users can see it on page load or as they refresh. From 1-4, the steps will appear in subsequent order.
    d. Start Reading button
        i. On click
        ii. Users can click on this button to be led to the video backgrounds with ambiance to read in.
    e. Footer section
        i. Reading
        ii. User can scroll to the bottom of the page for information about the website owner.
3. Both: Video Pages 1 and 2
    a. “The Reading Nook” and “Add Book” and “Change Environment” in the Navigation Area.
        i. On click
        ii. User clicks on these links in the navigation area to head to the home page, virtual bookshelf page, and a different video (Video 2) page.
    b. Video Background

        i. Autoplay Video when load/User View
        ii. When going to “Change Environment” or “Read Book” users will be led to this page which will automatically play
    c. Video Controls: Play, Pause, Skip
        i. On click
        ii. Users can control the video: They can play, pause, or skip forward by heading to the bottom controls panel of the mp4 video.
4. Bookshelf Page
    a. “About” and “The Reading Nook” in Navigation.
        i. On click
        ii. User clicks on these links in the navigation area to head to the About page and back to the Home page, respectively.
    b. Input Books
        i. On click and text input
        ii. There are text area inputs for users to put in the book title and book review to add to their virtual bookshelf. Users will simply type each within each box.
    c. Add Book Button
        i. On click
        ii. After inputting the text for title and review, users can click this button to add a book the shelf under “Lessons in Chemistry.”
    d. Footer section
        i. Reading
        ii. User can scroll to the bottom of the page for information about the website owner.

Part 3:

- I used Anime.js animations for my webpages, specifically the Home page and the About page (how-to page).
- I chose to use it within these pages because although they mainly serve an informational aspect, I wanted to bring more life to the pages since the videos and bookshelf pages have a lot of colors and sound and interactivity to them. I think it served a special purpose in the About section in animating the text one by one because it was a numbered list, and a step by step process I wanted readers to go through.
- In the home page, I animated the welcoming banner in order to provide an element of surprise to the reader and to get them more interested and excited in my website. In the

about page, I animated the step by step process of how they can use my website so that it creates a more structured read.

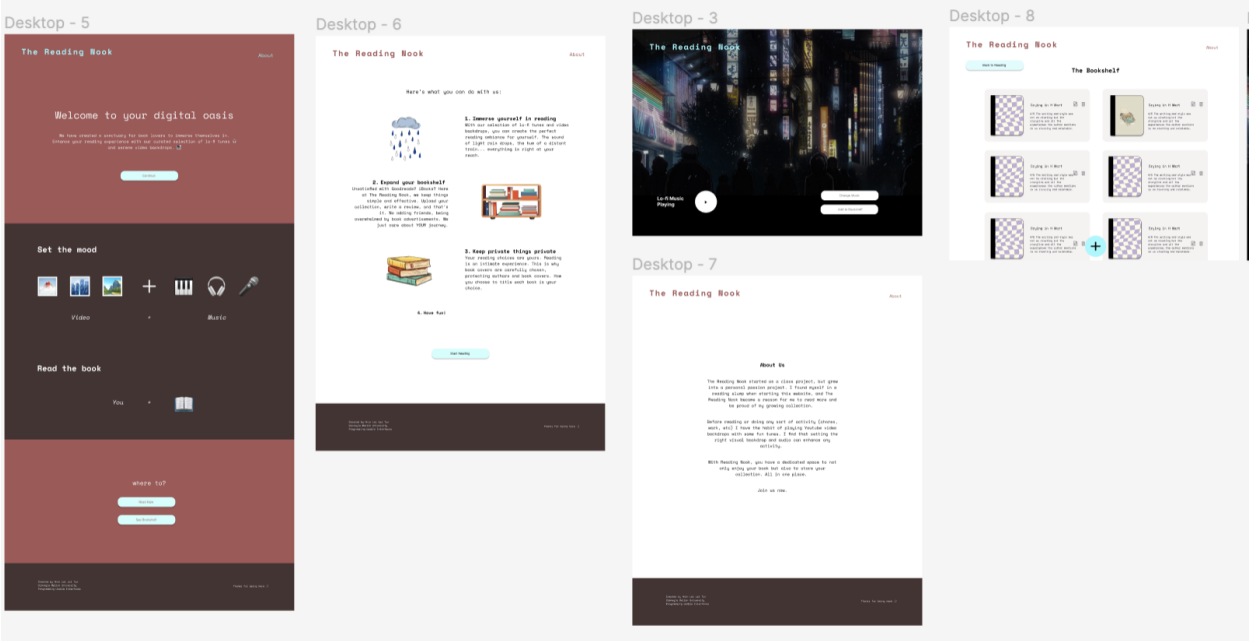
- Overall, I believe it adds more character and my personality. I always appreciate interactivity in a website, especially these loading texts, and wanted to show the same to the readers.

Part 4:

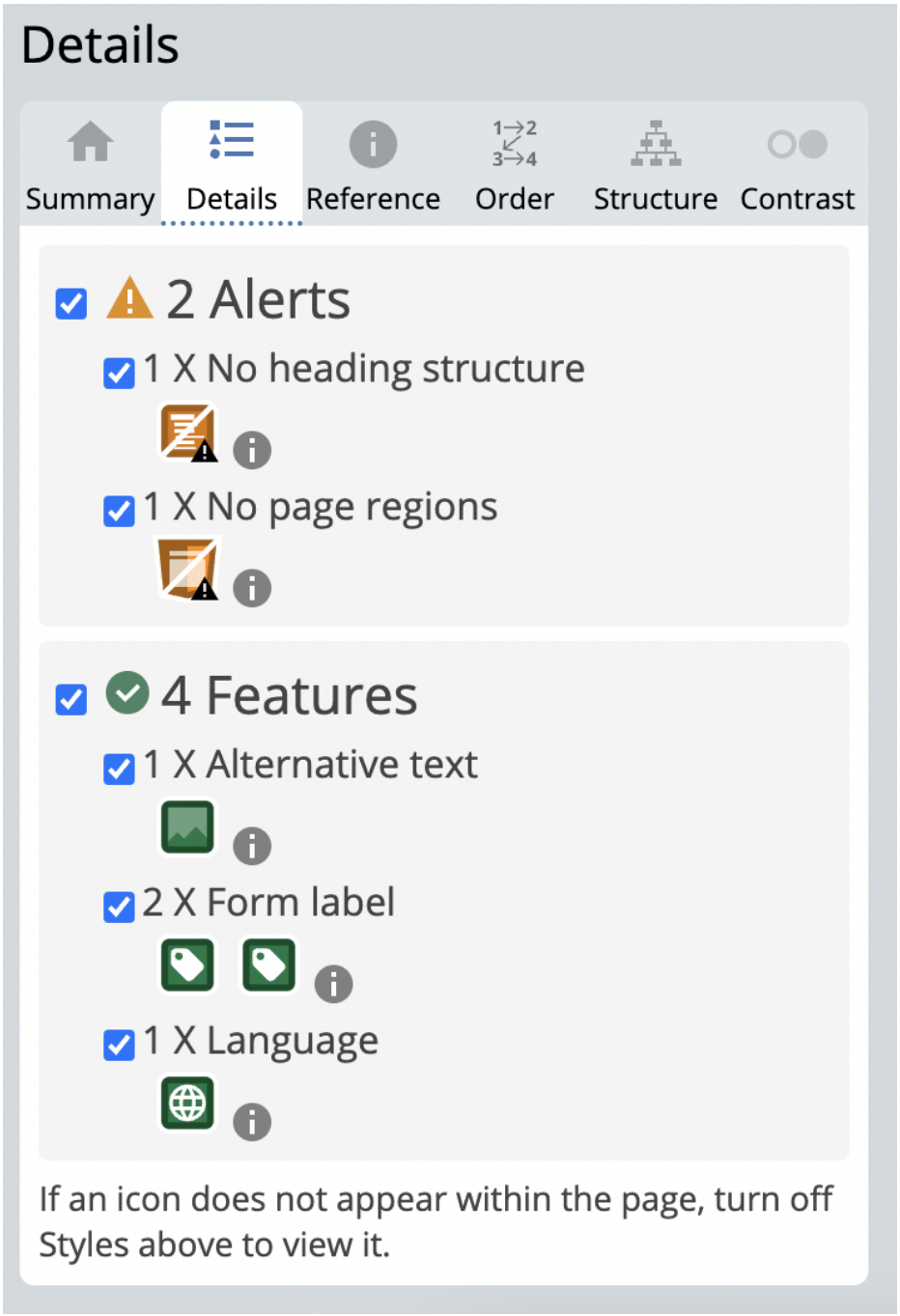
I iterated a lot on my prototypes. When first designing the website, I thought I just wanted this to be a virtual bookshelf but I added a lot more pages to bring more life to the website: I added a home page so users could learn what to do, I added different environments with different music to read to, etc. The main iteration I made however, was when I experimented a lot with colors and layout of the different pages. My light brown to white text contrast was low, according to WAVE, and that led to me changing the entire color scheme of my website to be a brighter color with higher contrast for greater visibility and higher accessibility.

Part 5:

I thought the bookshelf would be the hardest part of the website, because I was asking for user input and it to save to local storage, but it timed well with our last homework and midterm studying that it was relatively simple. Javascript animations were a small challenge, but the biggest challenge was CSS. I had prototyped and mocked up what I wanted my websites to look like (see picture below), and it was extremely hard to get the CSS to get the placement exactly how I had envisioned.



NOTE: I used the WAVE Accessibility Tool and there were no errors. The alerts are mostly for headings that the accessibility tool did not think to be headings but they were created for header sections.



Details

Summary | Details | Reference | Order | Structure | Contrast

3 Alerts

- 1 X No heading structure
- 1 X No page regions
- 1 X Possible heading

4 Features

- 3 X Alternative text
- 1 X Language

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

Details

Summary | Details | Reference | Order | Structure | Contrast

6 Alerts

- 1 X No page regions

- 1 X Missing first level heading

- 2 X Possible heading

- 1 X Suspicious link text

- 1 X Redundant link

1 Features

- 1 X Language