

Web app link: <https://dyymm.csb.app/index.html>

Final Project Writeup

Part 1: Describe your website

The goal of my website is to educate the reader about the history of book cover design spanning from the middle ages to the early 20th century. The information for this website was taken from [this series of articles](#). The website is experienced in a chronological order, and aims to capture the reader's attention through the use of large and detailed images. For this reason, I decided to keep the website's theme simple, using only black and white colors. In addition to the large images, I aim to use animation minimally to engage the reader in the homepage. Overall, this website is driven by its visual content. The target audience for my website is mainly designers, as the article itself uses some design specific terms. However, the pictures help it remain accessible to the general audience.

Interaction Guide

This website is fairly simple.

1. Begin on the homepage
 - a. Hover over each book cover to read a tiny description about it.
2. Click the 'chapter 01' button
3. Scroll through the page
4. Click 'next'
5. Scroll through the page
6. Navigate to different pages using the navbar. (There is no contents page)

External Tools used

I used the jquery javascript library to help me animate my page. I chose to use this library because it works well on older browsers, making it accessible. jQuery is also a very well documented JS library, so I knew that I would have a lot of resources online to help me learn the tool. jQuery also made manipulating the DOM much simpler, because it provides several shortcuts to make your code shorter. Using jQuery, I created a few simple animations that would

activate when the user enters the page. To do this, I used jquery's animate() function and its stop() function to time each movement. I also created a hoverDiv function that shows a short description of each book cover when the user hovers over the image. I think these small features makes the homepage attention grabbing while still keeping it accessible.

Changes made from mockup

Due to time constraints and some difficulty I had with my code, I had to simplify the animations on my homepage. My design initially featured a scroll activated animation that would all happen horizontally. I realized that because jquery is a slightly outdated tool, it was not the best tool for animation, with many movements being difficult to animate.

Challenges I experienced

Because of external personal circumstances, I was under a much shorter time constraint, so I wasn't able to execute everything to its fullest potential. My biggest challenge was in learning and working with jQuery. Because it is an old javascript library, I wasn't able to do the complex animations I had planned to do, particularly with my horizontal scroll activated animations. In the end, I believe that removing the horizontal scroll animations didn't negatively affect my site and actually made it more accessible, but I was still disappointed that I wasn't able to pull it off. Another challenge I experienced was in learning CSS Sticky elements. One feature I wanted to implement was to have the right side content of each section to scroll, and the left side to stay sticky, until the bottom right side section is done. There were not a lot of sources online that addressed my problem, but I realized that the reason why my sticky elements were not working was because I used CSS grid to develop my website. Once I used flexboxes instead, I was able to apply a more complex version of my sticky nav bar to the content of my website.