

SI 388 Final Project

Date: 11/30/2025

Project Purpose

We want you to spend **18 - 25 hours** working on an independent project*. The topic is your choice but it either needs to be a coding project or an accessibility project.

Resources:

- Final Project Overview
- Final Project Grading Rubric
- [Photoshop cheatsheet for resizing images for web](#)

You can work with a partner, but we would expect that your final project would take 36-50 hours to complete and that you would each turn in your own report with your hours logged, progress, and lessons learned. **If you are working with a partner please fill out this form.*

Contacts:

- Joslyn's Christmas Webpage | Joslyn Vince | joslynv@umich.edu
- You should also include your partner's name if they worked on this with you
- Both people need to submit the assignment!

URL's

- **Final Project Presentation Slides Link:**
<https://docs.google.com/presentation/d/1QebPN87m3-9oY6TCsyuQkxs4ysnakqUN3umxKMhPIbY/edit?usp=sharing>
- **Published Website URL:(Coding Projects)**
<https://joslynvince.github.io/ChristmasFinalProject/home.html>

SI 388 Fall 2025 Final Project

- **Github Repo URL:**(Coding Projects)
<https://github.com/joslynvince/ChristmasFinalProject>
- **Accessibility Audit Link (accessibility) or report**
 - [Example Accessibility Audit Template](#)

Our Objectives:

Explain your project in 2-3 sentences below:

I wanted to create a webpage to emphasize my love for Christmas. Since the holidays are coming up, I wanted to create a webpage that gives background information on my family on the home page, shows my christmas list on the last page, and also highlights some christmas songs, showing if they are a classic christmas song or a cover song. All of these pages highlight the material that I have learned in this class throughout the semester.

Project Type (Pick Coding or Accessibility): Coding

Explain the scope of your project - how did you expand upon what you learned in class this semester? What was original/unique about this project compared to what we did in class?

Something that I did to expand on what I learned this semester was implementing the snowflake feature across my webpages. I think this was a unique feature as it sets my project apart from others. This feature used html, css, and js to make sure that the snowflakes properly fell from the top of the page to the bottom. I made sure to make sure that this feature could be turned off for those that are visually disabled like we learned in class. Another feature I added into my webpage was mp3 files for my songs. We worked with js in class but I didn't have any experience with figuring out how to import these files into vs code and then making an audio player for the songs.

Where did you feel like you spent the majority of your time when working on this project?

I spent the majority of my time working with the css and js. I think this is accurate because a lot of my html was easy once I got the initial format done for one item/image/song. I think spending more time on my css and js made my webpage look more appealing and made for a more interesting website to present.

SI 388 Fall 2025 Final Project

What were areas that you found challenging for your project? How did you navigate these challenges? What were some of your lessons learned completing the project?

Some areas that I found challenging in this project was implementing the code from other websites. I tended to find this more challenging and difficult as this code was more advanced and it took me longer to parse through the code. I still enjoyed doing this as it added more fun features to my webpage. I navigated these challenges by trying to get a good understanding of the code that I was going to put into my webpage, and then understanding my html to see where the tweaks were going to be made. This was a long process but was worth it in the end. Some of the lessons that I learned from this project were that a small feature in a webpage may look simple but once you start implementing it, it tends to take longer than one might think. Some of the small features that I thought would be quick ended up taking longer, which was frustrating at times, but was all worth it in the end.

For coding projects only:

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

I ensured that my webpage was fully accessible and usable for all by including alt text for my users that would be using a screen reader. Every image on my page has alt text where a screen reader would be able to read the text to the user. I also used WAVE to make sure that all of my pages passed and had no errors, specifically color contrast errors. I also added a feature to make sure we would remove any motion for the page, this included the hover features, the snowflakes, and my buttons to change pages.

If you worked with a partner: N/A

Explain what your individual contributions to the project were, what were you able to do together in your extended hours that you would not have been able to complete on your own.

N/A

Project Time:

- **Weekly Progress 1 (11/15/2025 - 11/17/2025)**
 - Hours spent: 5
 - Completed:
 - Worked on Uploading all of my Images that I wanted to use

SI 388 Fall 2025 Final Project

- I used Photoshop to crop some of my images to perfect squares.
- Created my Three Main pages
 - Home
 - Christmas Songs
 - Christmas List
- Home Page
 - Uploaded all Images
 - Created The “About Me”
 - Inserted Family Photos
- Christmas Songs
 - Set up my Grid Layout
 - Got all of the facts about the songs uploaded
- Christmas List
 - Made a gallery of the items on my christmas list
 - Added borders and hovers
 - Implemented unique buttons
 - Able to Click on Images and take you to item Website
 - Added Cool Font to the Header
- Challenges:
 - I struggled with changing the button design. Because the button design I picked changes the color when you hover over it, I had to also change the color of the text when it moves to a lighter color so there would be enough color contrast. I used a button design I found online, so I had to figure out how to implement it with my code.
 - I also realized that I am going to have a main stylesheet to use for all of my pages, and then another style sheet that is more specific to that page. This way I do not have to repeat code multiple times.
 - For my borders on my images in my christmas list tab, I wanted the borders to be alternating both vertically and horizontally. I have been struggling with this and can only get them to work one way right now.
- Successes:
 - Completing the button design was a success for me, because I had to spend a lot of time to understand what was going on, and how I had to change my current button logic to make it work with the design I had picked. I also changed the colors of my buttons to match with the style of my page, and I was very proud of that.
- **Weekly Progress 2 (11/19/2025 - 11/23/2025)**

SI 388 Fall 2025 Final Project

- Hours spent: 8 hours
- Completed:
 - Snowflake Animation (3 hrs)
 - Used code found on line and implemented into my current code
 - I had some troubles with the snowflakes falling, because I could just see them at the top of my screen, but I had to fix the ordering of some things in my css folder, and it worked.
 - Songs uploaded to project folder (2 hrs)
 - I had to figure out how to get all of the songs into MP3 files and uploaded into my project folder.
 - About me Section on my home page (1 hr)
 - My About Me section was formatting to the right of my screen and I didn't like how it looked with the big gap between the pages.
 - Flip Card Images (2 hrs)
 - I used the W3 school format to help me start my flip cards for my home page. I wanted to add a little prompt to the back of the flip card to describe the photo. I had to make some tweaks to the format which took additional time to sort through the existing code used on W3.
- Challenges:
 - Had lots of trouble getting the snowflakes to fall to the bottom of the screen. I kept trying to fix this by manually editing how far they would go down the screen, but instead it would change the length of my page which I did not want. This took me a long time to fix because I was struggling to pinpoint the error since the one fix I was thinking of didn't work.
 - All of the websites I kept trying to use to download them to my computer wanted you to pay for it, and I didn't want to spend money. I had to try to find several different websites to try to get all of my MP3 files. I ended up using spotcatch.com website and that worked well, and i was able to quickly import all of my songs into the project.
 - I couldn't figure out the issue of why my about me section was so far to the right of my page. I started to play with the padding on the page but that didn't seem to help. I also started looking at the grid I had created because I didn't know if using the grid format was messing up the layout. I realized I need to use my .text-box in my

SI 388 Fall 2025 Final Project

css which helped me to format the page how I wanted and get the About Me section closer to the page.

- When working with my flip cards, I had some issues with the spacing between the cards. When I used the scale feature it overlapped with the nearby cards, which I didn't like. I changed the gap between the cards. I also had to modify the css to help style the cards how I wanted. I wanted to increase the size of the headers on the back of the cards, so I had to go and use the class to edit the h3 and p. I also had to make a class so I could edit the size and spacing of the labels of the photos under them.
- Successes:
 - Getting my snowflake animation working on all three pages.
 - Getting all of my songs into my project follow
 - Fixing my about me on my home page
 - Getting my flipcards working on my home page.
- **Weekly Progress 3 (11/24/2025 - 12/1/2025)**
 - Hours spent: 7 hrs
 - Completed:
 - Found a design I wanted to implement for the song tab (1 hr)
 - Implementing design for all 12 songs and fixing wave issues (aria-labels and color contrast) and editing css to match my color scheme (3 hrs)
 - Added tabs to the top of my song grid (2 hrs)
 - Added a responsive.css tab so I could turn off motion (1hr)
 - Challenges:
 - Finding a design was a more challenging task than I could have imagined. This was more difficult than what it looked like because I needed to make sure that I could implement this into my song grid I had already made
 - This was challenging because I had to find all of the instances where I missed aria labels in my code. Each song had two aria labels I had to update. Implementing the code was difficult because my previous code followed a different style from what was in the code I wanted to implement. I had to combine both approaches to get a grid of the songs.
 - This was a challenge for me to add tabs to separate my christmas songs from classic christmas songs to cover christmas songs. This was a challenge because I once again had to edit my html format to make sure it would work for my grid. I also had to use js to hide the

SI 388 Fall 2025 Final Project

elements that were not in use and I had a lot of struggles when I wanted to flip back to all of the elements.

- This portion of the project confused me because I had only done this when my css was in one file, but I had to pull the css from multiple files which made this more challenging for me to understand.
- Successes:
 - I would consider it a success when I found the design that I decided to implement because I was able to use it for my grid.
 - I was happy when i got the design fully working for all 12 songs because this was one of the most time consuming parts of my project and I was happy when it all came together in the end.
 - A success of mine was getting the all elements tab to work on my songs page. I had lots of trouble because only half of them would show up depending on the last tab I clicked so it was super exciting when I finally got it working.
 - I was proud of myself when I got turned off my motion and saw it working how I wanted it to.

Appendix

You might include here resources and references you used in completing your final project whether it's a coding or accessibility project.

https://www.w3schools.com/howto/howto_js_image_grid.asp

<https://fonts.google.com/specimen/Codystar?query=christmas>

<https://uiverse.io/ernestnash/cold-turtle-83>

<https://www.codesmade.com/add-snow-effect-to-website/>

https://www.w3schools.com/howto/howto_css_flip_card.asp

https://codepen.io/hossein_ghanbari/pen/eYYKJXd