

I wanted to start my drawing app project by choosing an overall approach, which would be small but impactful extensions that would give users more options to edit their drawing.

Base Research

I wanted to start my drawing app project by researching 4 different apps online. From these apps, I took a list of extensions on these apps that are apparent to me. From these extensions, I color coded and went through all of the features. I took some notes for each of these extensions that detailed how much they fit into the app I had in my mind. I categorized them into **no**, **maybe** and **yes**.

Extension

After this, I tasked myself with researching how to implement the features and details. I looked at the extensions that were in maybe and yes categories. I took notes on how to implement these extensions and some mini-features that can be implemented along with them. From these mini-features I labeled some of them as extras that I will implement if I have extra time.

UI Mockup

I then needed to make sure my drawing app looked good for the user to be able to use to fit my product approach. I made a UI mockup for this purpose, Base template was fine enough but I had a chance to solidify this part of my app.

App Diagramme

Now that the base extensions are ready with my ideas, I wanted to make a diagramme that will outline which functionalities support which. I drew this diagramme on draw.io

Code Progress

I wrote down all the code necessary for the shape tool. I also wrote wired up edit modes and HTML for the scissor tool. Next task for me is to work on the main scissor functionality, copying and pasting. I got help from the lectures regarding the editable shapes and scissor functionality. I also wrote down a very basic first non-working implementation of the bucket tool with the flood-fill algorithm that I have not tested out yet.

Once I am done with this task, I will keep going on according to my plan. As of now, I am ahead of schedule.

I also set up the necessary files with the required methods, necessary icons and html references to javascript files for all the base extensions I planned for.