Design Document for CodeSelfPortraitP5

Information

Name: Toff Nguyen
ART385
Project: CodeSelfPortraitP5
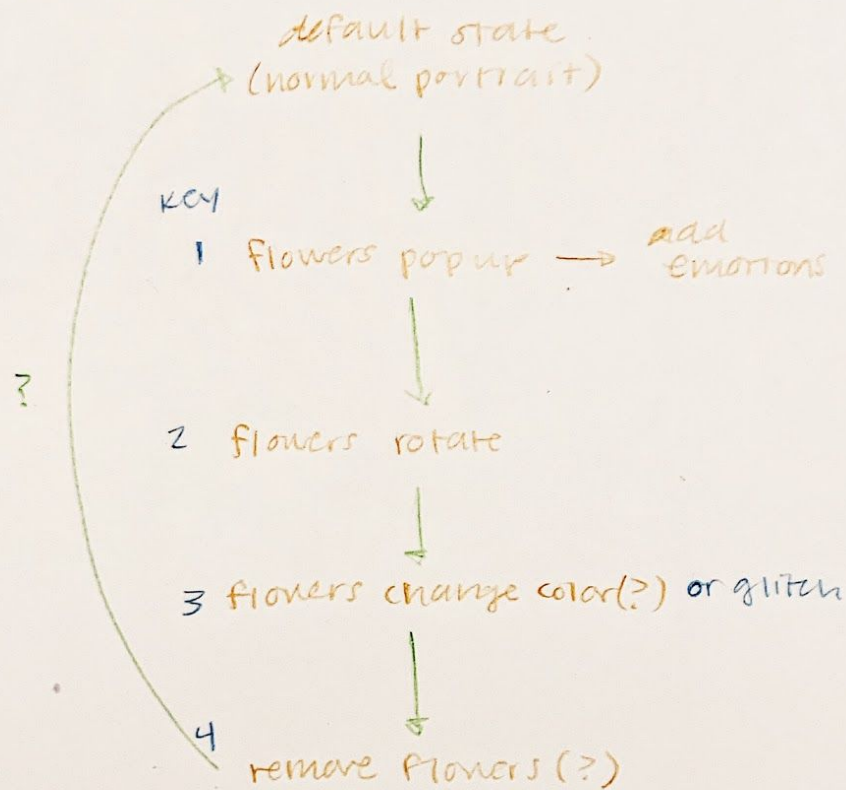Due Date: 13 February 2020

Restated Assignment

This assignment uses the previous CodeSelfPortrait project as a framework, although it has been adjusted to work with P5.js.

An emotional element has been added-- in this case, I decided to add content (flowers) surrounding the original portrait and make those emote with a state machine based on interactive key inputs. The emotions, or states, with corresponding numerical key inputs are as follows:
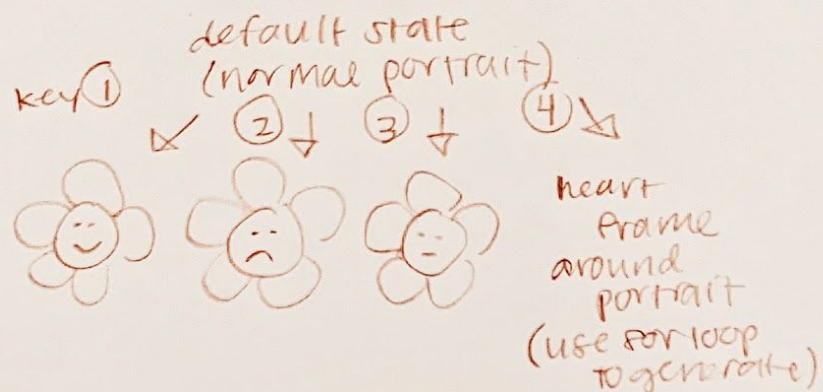
1. Happy (green)
2. Sad (purple)
3. Neutral (light blue)
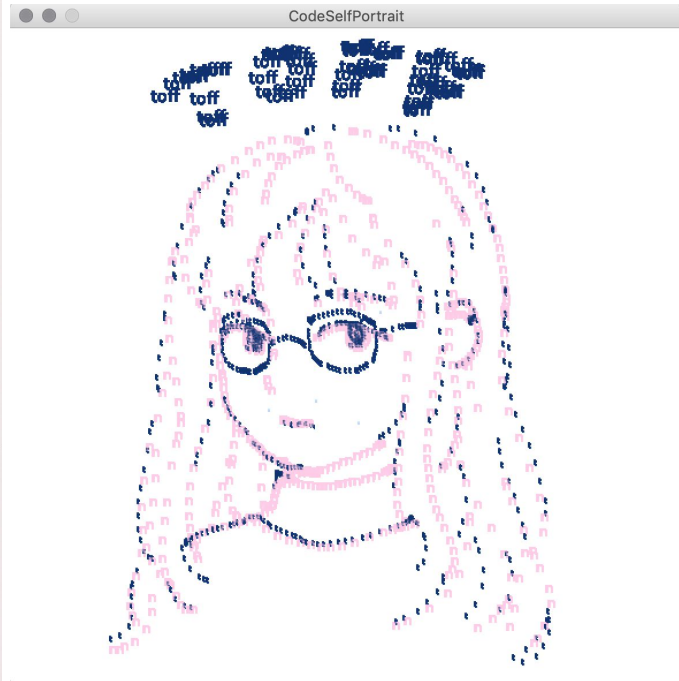4. Adds a border around the canvas (using a for loop)

Interaction Diagram

scrapped state machine diagram

default state
(normal portrait)

key

1 flowers popup → add emotions

2 flowers rotate

3 flowers change color(?) or glitch

4 remove flowers (?)

?

actual state machine

key ① default state
(normal portrait)
② ③ ④

heart frame around portrait
(use for loop to generate)

Hand Drawn Sketch(es)

Reflections

Because of how convoluted, hard-coded, and seriously disorganized my previous portrait is, I decided against backtracking to find each and every eyebrow, eye, and mouth coordinate to adjust for this project. I decided to fill in some of the surrounding blank space instead.

I had planned on having the surrounding flowers spin around or glitch, but that proved to be too much of a headache for the number of coordinate I had going on. I also realized it didn't fit the emotional criteria, so I ended up with static, emoting, color-changing flowers for this assignment instead.

For the for loop requirement, I suppose I could have added the variable "i" to my flower coordinates and printed a bunch of them across the screen, but thought it would be kind of pointless if the portrait ended up covered. Instead, I just used the loop to print a border, although for some reason I thought I would be able to see it animatedly printing for each iteration of the loop.

I feel a lot more lukewarm about the turnout of this assignment than I did the previous, but am trying to remind myself that the assignment itself is asking for add-ons, and the structure of my previous work limits what I can do in this assignment (considering the time I have available to work on a single assignment and all).

The biggest headache in this assignment for me was navigating through all the lines of code. Something I enjoyed was being able to print to the console to debug.