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Design Document

Interaction Design

2/4/20

Assignment: Code self portrait. For the assignment I sketched a picture of myself and then using processing code captured "the essence of my face." I Aimed to capture the most defined features of the picture (My head, shoulders, sunglasses, and hair) and I also tried to make it a bit more fun by making the cartoon depiction of me blowing a bubble with some gum.

Audience: The specific audience in mind while making this would be for the teacher as it is an assignment, however I feel like it could also be a very simple recreation of a drawing for people who are into vector art an minimalistic drawings.

Sketch:

Interaction Diagram: N/A for this assignment, because there is no interaction, just a portrait.

Conveying technical information: For this assignment I have created a cartoon like self portrait only using ellipses, modified rectangle shapes, and arcs in processing. I have also included using variables for my colors that utilize hex codes. I commented my code so one may see the specifics and also how my face was constructed.

Data Design: I used variables and hex code for my colors

Architecture Design: I made sure to comment my code well and make sure the flow of the code was legible and logical as possible

Procedural Design: The code runs well and it produces a self portrait

Reflections: Overall, I found this project to be a good way to familiarize oneself with the beginnings of processing, however I found creating a portrait out of such rudimentary shapes was quite hard actually. Utilizing the "rotate" function throughout made it far more difficult for me, because I always had to change certain element's rotation to counteract the rotation of other elements in the portrait. It was mostly trial and error and after spending around 5 hours on it I felt as if I was making less and less progress which got me a bit frustrated. I wanted to get the most predominate parts of the picture, which were my sunglasses, my face, and my hair and I also wanted to add me blowing a bubble with some gum for an addition of depth and movement around the portrait. The only drawback I see from this assignment would be that I wish I would have made it made it a bit more detailed.