<u>Chris Wray – Project 2 Overview</u>

Project 2 started with the relatively simple idea of creating an experience that allowed the user to have an art therapy coloring experience, while also tapping into cross media capabilities. The original intent was to include calming music, and a metamorphic landscape along with the default drawing canvas that permitted the user to interact with another person in a parallel session. Mandalas are intended to be used as a means of both giving the user something to directly color onto, and something to help focus their mind during these exercises.

Index.js:

As I went along the coding process admittedly things became a bit more difficult. I had some issues with the expanded sockets color feature, and had to roll that back. I ended up using the normal sockets features that a number of drawing applications used in order to keep the experience simple, and reliable. Another way of implementing color in a calming manner was implemented in sketch.js, but it would be nice to go back and get both working together.

Sketch.js:

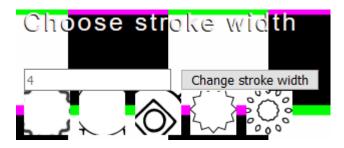
Coloring was replicated by creating a paintbrush in p5 that was capable of rotating through the full color spectrum as the user paints upon the canvas. The "colormode" functionality was used for this task, and an "if" statement was also sued to cycle through "hue" in order to wrap up this coloring code.

```
// Adding a mousePressed listener to the stroke width i
stroke-button.addEventListener("click", function () {
    let width = parseInt(stroke_width_picker.value());
    if (width > 0) strokeWidth = width;
});
        //stroke(pos.x, 0, pos.y),
strokeWeight(strokeWidth);
ellipse(pos.x, pos.y, 10, 10);
```

The mouse functionality was expanded to allow for more precision in the mouse variable with "mousePos", and "ellipse" was also used as the default draw shape.

Index.html & style.css:

There was another feature that was partially implemented, and that is the creation of 5 icons that would allow the user to place a Mandala over the canvas layer.



This brings up the main pain point of this implementation of the concept thus far, and that is the usage of p5 for the creation of the canvas for drawing. As everything has to be routed through p5 seemingly to add/extend features this proved to be difficult. The "Mandala" feature is intended to be added, but due to the issues that I've had with p5 it is not unfortunately.

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5 "Div" tags were created to display these and the CSS was linked to the physical pictures to display the icons for the Mandalas as displayed below.

I was not quite sure how to get these linked correctly, but this was due to the forthcoming linkages to get the Mandalas functioning, but like most other features I don't know if I can get p5 to play nice with the features I want to implement.

```
body {

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background-image: url("https://media.giphy.com/media/4a7sWillNZORWymHJp/source.gif");

background-position: center;

font-family: Arial, Helvetica, sans-serif;

font-size: 25px;

letter-spacing: 2.5px;

font-weight: 500;

color: ■#FBF4F4;

text-shadow: -lpx lpx 0 □#800;

10

}
```

Finally, the background was not implemented programmatically, but was instead a linked GIF that was being used as a background. I may push for various psychedelic options, but this worked out because this type of graphic would be difficult to implement in code and the gif is also not particularly resource intensive.

Conclusion:

In a number of ways this felt like a failure because so many features that I wanted to implement did not actually work out as planned. This was of benefit when considering they led to the implementation of the background and multicolored paintbrush. I feel that I tend to learn more from these failures and appreciate the chance to learn more about making p5, sockets, and other related techn9ologies work together. Ideally, I would like to refactor this concept into something more fully fleshed out, and no matter if this involves p5 or html technologies I look forward to the additional lessons to learn through the journey!

