

Project 2: Anything!

Vision for the Project

The work will be a 2D interactive piece, focused on meditation and growth. It will begin with a simple blank background, a ground area, and a small circle. When the mouse gets closer to the circle, it will begin to emit a low frequency tone and pulsate. When clicked, music begins to play, a small portion of the background fills with a black and white zen tangle-esque design, and a vine-like object grows from the circle. The vine's tip follows the user's cursor, and multiple new circles appear on the canvas, each reacting the same way as the first. The user is able to select a portion of the previous vine and grow a new vine from that spot. When a circle is clicked, the new vine's tip is anchored to that circle, and the user is able to grow another new vine, and so on. Repeating this will create an ever expanding mass of vines, each individually placed and formed by the user. As the mass gets larger, the camera zooms out to reveal a larger canvas for the user to work with.

Technical Challenges

Sound Manipulation:

- Looping background music
- Distance based velocity, varying frequency sound effects
- On-click sound effects
- Challenges have been addressed in recent activity:
<https://github.com/whuras/cart253/tree/master/exercises/make-some-noise>

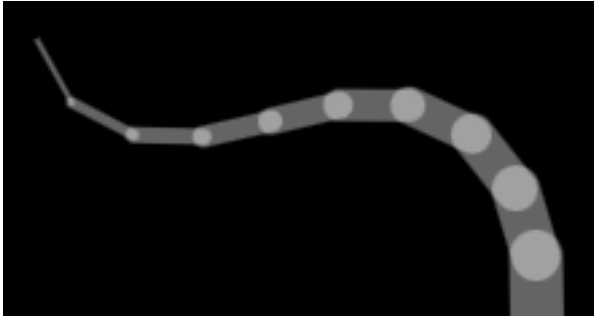
Object Manipulation:

- Using rotate and translate to effectively place vines
- Inspiration and learning resource:
<https://p5js.org/examples/interaction-reach-2.html>

Other

- Background gradually being unveiled with vine location
 - Possible solution: multi-layered background images
- Appearance of camera moving backwards as user progresses
 - Possible solution: scaling all objects in the scene

Sketches and Visual Examples



Credit:

<https://p5js.org/examples/interaction-reach-2.html>

“Vine” inspiration from the p5js.org examples. Using each circle node in the vine to be a potential base for another vine.



Mock-up of interaction with multiple vines



Background design inspiration from Zen Tangle. The background will start blank, but gradually appear as the vines expand.

Credit: <https://zentangle.com/>

Sketch of progression through interaction.

