

November 10, 2023

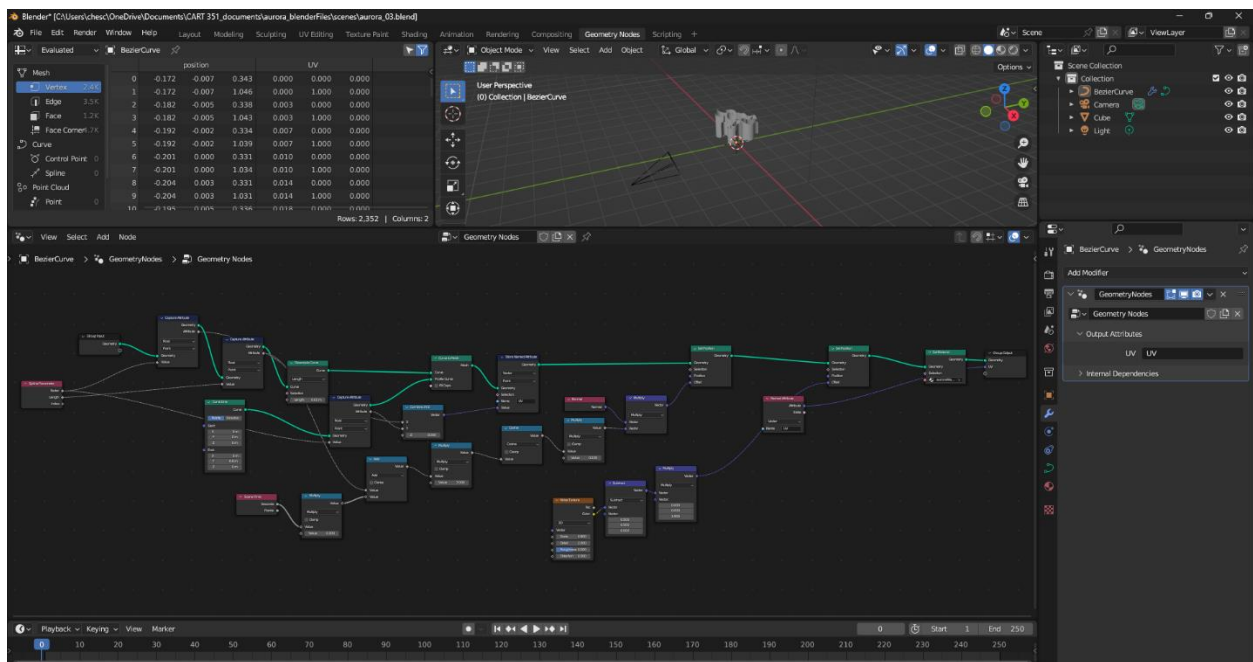
Report for “Aurora Poetry” – Prototype Assignment by Destiny Chescappio

Project Description: The project prototype is titled, “Aurora Poetry” and consists an interactive visual experience having users being able to talk to the aurora borealis. The visual experience is the aurora borealis, also known as the northern lights, and is able collect the user’s voice when reading poetry, and dramatically responds when the poem is done being read.

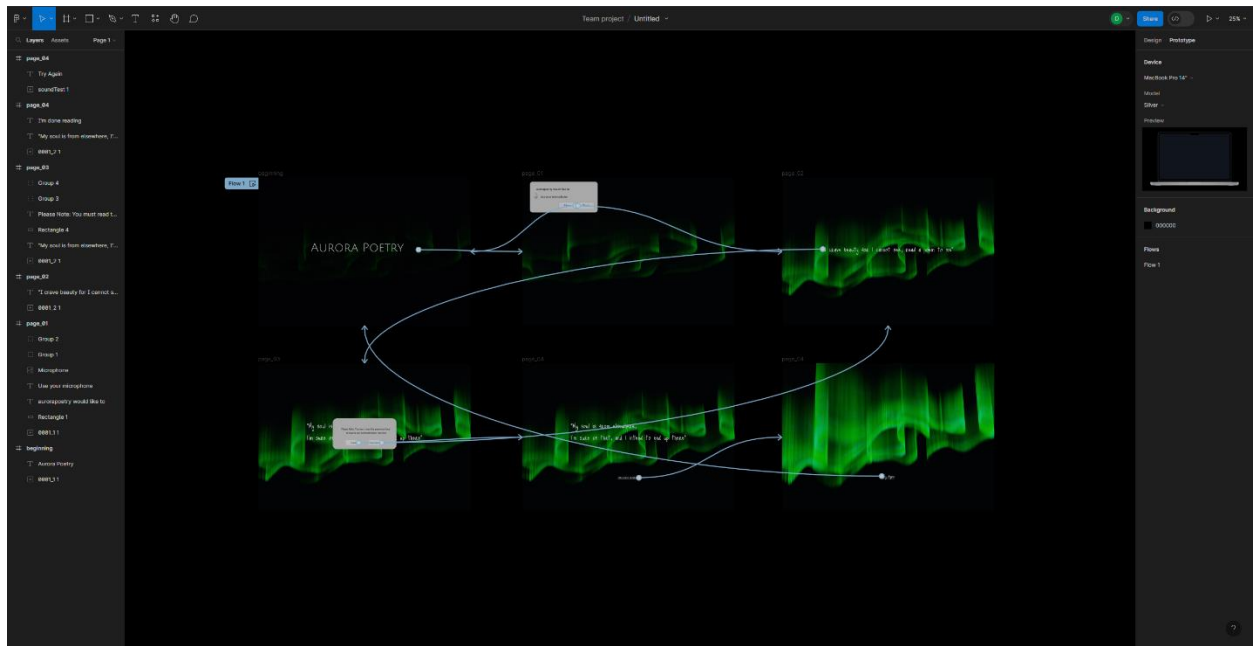
Description at where I am currently at in the project: I completed the 3D animations that will act as interactive triggers and stable/default animations when it is not being interacted with a user. I created my prototype in the Figma software where I am able to implement interactivity and overall usage of the project. Though the prototype is not finalized, it’s basic understanding of what I am attempting to do with Web Audio API and generating public poem API. I started the animation working with p5 play library and will need to implement the AJAX function, continue with API’s, and do the coding component of completing the project.

Detailed images of the overall system:

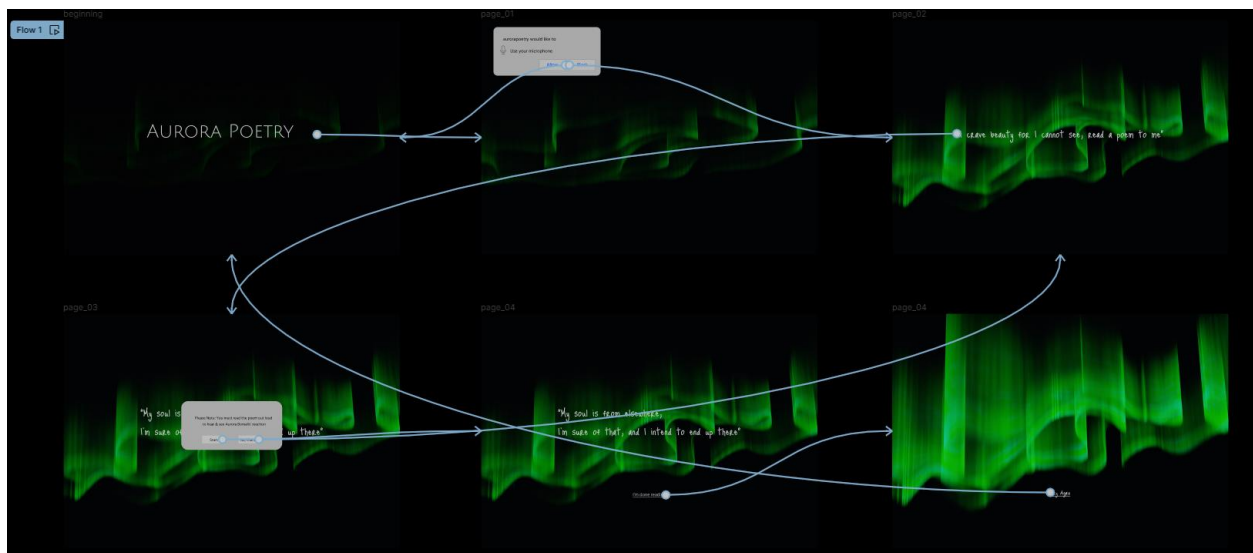
Aurora 3D blender model layout (built with nodes) –



Figma Layout -



Prototype connectors (closeup) –



For each component/feature, provide written descriptions on the usage and how it works in the project:

Referring to my Figma Prototype screenshot for each section:

- Beginning page

This is the beginning page where the user first visits my project page. The user has to click on the title, AURORA POETRY to start the additional interactivity and experience.

- Page_01

The user is immediately asked for her/his permission to access their microphone to proceed the experience. Once allowed, the user is lead Page_02. This will be the beginning of the Web Audio API.

- Page_02

The page displays a triggered animation which represents the feedback of the user's audio input (the user could be saying anything) and the animation will remain more bright, more fluid, and move more fast than the stable animation on page_01. The user is invited to click on the quote that will then lead to page_03.

- Page_03

On this page, a pop-up is displayed before the user can experience the project. The pop-up instructs the user to read the generated poem out loud to trigger the aurora's reaction (this is the Poem API component). If they do not agree to read the generated poem, they are taken back to the beginning of the page).

- Page_04

Once the user agrees to read the generated poetry out loud, the experience begins. The experience begins by having the system have an event listener when the user starts and the system will also begin recording the user automatically when on page_04. Once the user is finished reading the displayed poem out loud, they click "I'm done reading" (this will act as a stop function of the recorded audio of the user's voice).

- Page_05

The final stage of the experience is on this page where the aurora animation will triggered and intensify and change color. It will also act as a trigger to collect the user's audio input and will translate it, edit, and completely distort the voice of the user that will then output the audio. This outputted audio acts as a reaction of the aurora borealis, but this act and metaphor represents a *reflection* of the user with the aurora.

Q&A:

1. What are the feelings you encounter when reading to aurora borealis?
2. Do you feel connected to it? What would you add to the project to induce a connection with the Aurora Borealis?
3. What are some additional features you would like to see in Aurora Poetry?

Detailed explanation of what needs to be worked on: I am far away from completing my project and would need to familiarize myself in the AJAX function and putting in my poetry API and additional requirements for this project. It would be nice to add a feature in which has the aurora borealis react in an unexpected way if the user whistles. In my Indigenous cultures, legends say that if someone whistles at the northern lights, it is a sign of bad luck, or the northern lights may act in a weird way and try to take someone. With this idea, I think I would need to consider the specific frequency the event listener (the microphone) would collect from the user's voice, whistle, and tone.