

Project Name: Project Broomstick

Week of: 9/17 – 9/27 Week Four

Submitted by: Destiny, Alex, and Meghan

Brief Summary: The group's tasks split between; using the Leap Motion to produce sound based on a pointer's location, creating a dictionary which stores notes and their corresponding frequencies, and assigning lists of notes for the songs *Frere` Jaques* and *Mary Had a Little Lamb*.

This week:

(a) Our "wins"

- The Leap Motion is now able to act as a theremin with different sound effects depending on the frequency.
- Started a working dictionary of 'notes to frequencies' in Python.
- Compiled playable lists of simple songs containing their note names in chronological order.

(b) Outstanding issues

- Determining and controlling the duration of each note in the song.
- Adding more visual feedback to the Leap-theremin.

Next week plans:

- Working on controlling note durruntion.
- Assigning 2D arrays to the song names instead of lists.
- Have applistener read in the songs and the dictionary.