Sprint 4 Plan
Audio Processing
Guitar Effects
Sunday, November 19, 2017

Goal: For Sprint 4, we want to finish all remaining effects, get the whole program to run on the Raspberry Pi.

Task listing organized by user story:
As a guitarist, I want multiple effects to work with (Total: 16 hours)
- Amp and Filter Envelope (5:00 combined)
- Looper (4:00)
- Expression Wah (1:00)
- RMS Compression (4:00)
- Phaser (2:00)

As a developer, to increase the modularity of the different components to make it easier to work with effects. (Total: 7 hours)
- Refactor Effects to be abstractions instead of subpatches (3:00)
- Incorporate all the effects into the main program file (4:00)

As a guitarist, I do not want to carry a laptop when I want to make music (Total: 23 hours)
- Install Raspbian on the Pi (3:00)
- Let the Pi receive audio data (8:00)
- Make Pure Data work with ALSA (5:00)
- Have Pure Data bot on the Pi on startup (5:00)
- Have the program run the Pi (2:00)

Team roles:
   Malcolm Flint: Product Owner, Developer
   Nima Shariat: Developer
   Christopher Burke: Scrum Master, Developer
   Eduardo Chavez: Developer
   Bernard Balagot: Developer

<u>Initial Task Assignment:</u>

Malcolm Flint:

As a guitarist, I do not want to carry a laptop when I want to make music.
- Let the Pi receive audio data (8:00)
- Have the program running on the Pi (2:00)

Nima Shariat:

As a guitarist, I want multiple effects to work with.
- Expression Wah (1:00)
- RMS Compression (4:00)
- Phaser (2:00)

Christopher Burke:

As a developer, to increase the modularity of the different components to make it easier to work with effects.
- Refactor Effects to be abstractions instead of subpatches (3:00)
- Incorporate all effects into the main patch (4:00)

Eduardo Chavez:

As a guitarist, I do not want to carry a laptop when I want to make music.
- Install Raspbian on the Pi (3:00)
- Make Pure Data work with ALSA (5:00)
- Have Pure Data bot on the Pi on startup (5:00)
- Have the program running on the Pi (2:00)

Bernard Balagot:

As a guitarist, I want multiple effects to work with
- Looper (4:00)

<u>NEW SCRUM TIMES:</u>

Monday/Friday 3:00PM – 3:15PM with team

Tuesday 10:00AM – 10:25AM with TA