

Sprint 3 Plan

Audio Processing

Guitar Effects

Wednesday, October 15, 2017

Goal: For Sprint 3, we want to work on more effects for the main patch, as well as get Pure Data working 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 guitarist, I want to work with a nice UI (Total: 8 hours)

- Allow for Effects Ordering Changes (8:00)

As a developer, to increase the modularity of the different components to make it easier to work with effects. (Total: 3 hours)

- Refactor Effects to be abstractions instead of subpatches (3:00)

As a guitarist, I do not want to carry a laptop when I want to make music (Total: 21 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)

Team roles:

Malcolm Flint: Product Owner, Developer

Nima Shariat: Developer

Christopher Burke: Developer

Eduardo Chavez: Developer

Bernard Balagot: Scrum Master, Developer

Initial Task Assignment:

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)

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 guitarist, I want multiple effects to work with:

- Add Depth parameter to Tremolo Effect (2:00)

As a guitarist, I want to work with a nice UI

- Allow for Effects Ordering Changes (8:00)

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)

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)

Bernard Balagot:

As a guitarist, I want multiple effects to work with

- Amp and Filter Envelope (5:00 combined)

NEW SCRUM TIMES:

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

Tuesday 10:00AM – 10:25AM with TA