

Sprint 4 Report
Audio Processing
Guitar Effects
Sunday, December 3, 2017

Actions to continue doing:

- Keep up the good communication
 - o Comfortable enough with each other to ask programming questions
 - o Constant communication on Slack channel
- Continue meeting frequently
- Stay focused

Actions to start doing:

- We need to start working on our presentation skills

Actions to stop doing:

- Being late or missing meetings.

Work completed:

- Sound effects
 - o Looper
 - o RMS Compression
 - o Phaser
 - o Expression Wah
- Convert all effects to abstractions
- Implement all effects into the main patch
- Get Pure Data to work on the Pi after startup
- Install Raspbian
- Let Pi receive audio data
- Get the full program to work on the Pi

Work not completed:

- Allow for effects reordering
- AMP Envelope
- Filter Envelope

Work completion rate:

- Completed user stories: 7
- Ideal work hours: 44
- Total number of days: 14
- User stories per day (7/14): 0.5
- Ideal work hours per day (44/14): 3.14
- Prior sprint completed user stories: 9
- Prior sprint ideal work hours: 54

- Prior sprint total number of days: 42
- Average user stories per day $((0.286 + 0.143 + 0.293 + 0.5)/4) = 0.306$
- Average ideal work hours $((1.93 + 2.5 + 2.62 + 3.14)/4) = 2.55$