

# Sprint 1

## Devin Merrow

### Current Role

- Scrum Master

### Work Done

- As scrum master, mediating communication and trying to keep everyone on the same page.
- Some document creation.
- Scrum review for the sprint review document.
- This document

### Work to be Done

- Work as part of the development team for the next sprint.

### Issues Encountered

- Finding a valuable place in the development process for this sprint, which was mostly documentation.

### Issues Resolved

- Will be helping to develop the software for the next sprint.

### Deliverable Percentage

- 10%

## Devin Christianson

### Current Role

- Development team

### Work Done

- SRS sections 1 and 2
- UseCase document
- markdown to PDF/UML to PNG to generation pipeline

### **Work to be Done**

- Development for the next sprint

### **Issues Encountered**

- Pipeline automation is hard
- Had to learn plantUML

### **Issues Resolved**

- Completed working pipeline
- Successfully used plantUML

### **Deliverable Percentage**

- 25%

## **Alexandre Feren**

### **Current Role**

- Development team

### **Work Done**

- SRS section 3 and part of section 2, User Story additions and modifications, found library to use for chord progressions

### **Work to be Done**

- Work as part of development team for the next sprint

### **Issues Encountered**

- Flask was difficult to get working as I had Python 3.5 installed on my computer and it requires Python 3.6+
- User stories had issues with duplicates and wording after Deliverable 0

### **Issues Resolved**

- Flask installation - had to screw around with some python references on my computer to get it resolved and it took a few hours.

### **Deliverable Percentage**

- 10%

# **Jeremy Thiboutot**

## **Current Role**

- Product Owner

## **Work Done**

- Product backlog and sprint backlog documentation, management of user stories.

## **Work to be Done**

- Work as the Scrum Master next sprint.

## **Issues Encountered**

- Figuring out what the sprint backlog should contain.

## **Issues Resolved**

- Fixing the sprint backlog.

## **Deliverable Percentage**

- 17.5%

# **Dawsin Blanchard**

## **Current Role**

- Development team

## **Work Done**

- Created initial application and implemented the core required functionalities (working keyboard, chord recognition set up). Created sprint review document, and helped with the sprint backlog.

## **Work to be Done**

- Product owner, focus on guiding the people going on the development team next week as to what needs to be done from the baseline I set up.

## **Issues Encountered**

- There are many different kinds of chords that we will need to recognize. Slash chords as well have proved to be very difficult to implement. Right now we just have recognition for basic chords in root position.

#### **Issues Resolved**

- Knowledge acquisition regarding chords. We have found a massive database of chords that will help us in implementing non-slash chords. We have some ideas on how we may implement slash chords but are still brain storming.

#### **Deliverable Percentage**

- 20%

## **Alexander Revello**

#### **Current Role**

- Development team

#### **Work Done**

- SRS Document sections  $\frac{4}{5}$ , created team member report and peer review template, wrote user stories

#### **Work to be Done**

- User stories TBD

#### **Issues Encountered**

- Lack of time

#### **Issues Resolved**

- N/A

#### **Deliverable Percentage**

- 17.5%

## **Sprint 2**

## **Alexander Revello**

**Current Role**

- Development Team

**Work Done**

- Add MIDI support
- Create Use Cases

**Work to be Done**

- Sequence Diagrams
- Update MIDI support

**Issues Encountered**

- None

**Issues Resolved**

- None

**Deliverable Percentage**

- 18.5%

**Devin Christianson****Current Role**

- Development Team

**Work Done**

- Mouse Support
- Sequence Documentation

**Work to be Done**

- Flask Integration
- Production Docker container

**Issues Encountered**

- Difficult translating an existing system to sequence diagrams

**Issues Resolved**

- Fixed existing issues with the user interface

#### **Deliverable Percentage**

- 20%

### **Alexandre Feren**

#### **Current Role**

- Product Owner

#### **Work Done**

- Sprint Backlog
- Product Backlog
- Sprint 2 Review

#### **Work to be Done**

- Octave switching
- Document updates

#### **Issues Encountered**

- None

#### **Issues Resolved**

- None

#### **Deliverable Percentage**

- 18.5%

### **Jeremy Thiboutot**

#### **Current Role**

- Scrum Master

#### **Work Done**

- Facilitated Scrums
- Updated Documents

#### **Work to be Done**

- Implementing User Stories
- Documentation

### **Issues Encountered**

- None

### **Issues Resolved**

- None

### **Deliverable Percentage**

- 18%

## **Dawsin Blanchard**

### **Current Role**

- Development Team

### **Work Done**

- Refactored chord recognition logic
- Added slash chord recognition

### **Work to be Done**

- Improve chord recognition logic further
- Implement touch screen support
- More code refactoring

### **Issues Encountered**

- There is still cases of ambiguity which is innate to chords changing based on contextual perception. Right now we take the first match which is generally the most likely to be the chord. The ideal solution is to take all matches, display the first and allow the user to cycle through the rest.

### **Issues Resolved**

- Fixed the difficulty of slash chord recognition encountered with our previous implementation of chord recognition.

### **Deliverable Percentage**

- 20%

# Devin Merrow

## Current Role

- Development Team

## Work Done

- 

## Work to be Done

- 

## Issues Encountered

- 

## Issues Resolved

- 

## Deliverable Percentage

- 5%

# Sprint 3

## Alexander Revello

## Current Role

- Development Team

## Work Done

- Created Sequence Diagrams
- Created data structures for playback
- Began work on playback

## Work to be Done

- Finish playback implementation
- Begin progression saving and uploading



**Issues Encountered**

- None

**Issues Resolved**

- None

**Deliverable Percentage**

- 18.5%

**Devin Christianson****Current Role**

- Scrum Master

**Work Done**

- Facilitated & planned meetings.
- Basic Flask integration
- Production Docker container
- Production version deployment workflow created

**Work to be Done**

- Better Flask integration

**Issues Encountered**

- Docker auto-build was difficult to work with at first

**Issues Resolved**

- Had to find a suitable method for distribution that included dependencies

**Deliverable Percentage**

- 20%

**Alexandre Feren****Current Role**

- Development Team

## **Work Done**

- Updating SRS
- Finished implementing octave switching
- Conducted Focus Group

## **Work to be Done**

- Find a way to remember users through accounts or cookies

## **Issues Encountered**

- Firefox has different keycodes than most other browsers for at least “;”, “-”, and “=”

## **Issues Resolved**

- Fixed that notes would continue playing after an octave switch

## **Deliverable Percentage**

- 18.5%

# **Jeremy Thiboutot**

## **Current Role**

- Development Team

## **Work Done**

- Team Member Report
- Product Backlog
- Sprint Backlog

## **Work to be Done**

- Implementing new User Stories

## **Issues Encountered**

- None

## **Issues Resolved**

- None

## **Deliverable Percentage**

- 18%

## **Dawsin Blanchard**

### **Current Role**

- Product Owner

### **Work Done**

- Focus Group
- Product Backlog
- Sprint Backlog

### **Work to be Done**

- Still need to work on what I had listed as to do in sprint 2 since I wasn't on the development team this sprint. For posterity I have still listed them here.
- Further improve chord recognition logic
- Add touchscreen support
- General code refactoring

### **Issues Encountered**

- The closing of the university, and consequentially the leaving of most people we planned to have in the focus group, made the logistics of arranging the focus group very difficult.

### **Issues Resolved**

- Performed the focus group online due to the issues laid out in the issues encountered section.

### **Deliverable Percentage**

- 20%

## **Devin Merrow**

### **Current Role**

- Development Team

### **Work Done**

- Focus Group

### **Work to be Done**

- 

### **Issues Encountered**

- 

### **Issues Resolved**

- 

### **Deliverable Percentage**

- 5%