Auto Audio
Sprint 1 Plan
The Awesome Team
Sprint Completion Date: July 9, 2019
Revision 1, July 2, 2019

Goals:

1. Convert recorded sound to readable data
    a. Read in sound data
    b. Convert to digital data
2. Convert said data into notes, written in the format <note><octave><sharp/flat/natural>

Tasks:

- As someone who is new to piano, I want an app that can tell me the note that corresponds to the key I am pressing so that I can learn which key is which.
    - Record audio and determine its frequency. Utilizing either a software command, or hardware parts.
        - Time Estimate: 2 days
    - Determine which note (on piano) is closest to given frequency.
        - Time Estimate: 2 hrs
- As a deaf and aspiring singer, I want to be able to classify frequencies to make the learning process much more efficient
    - Print out/display notes
        - Time estimate: 2 hrs

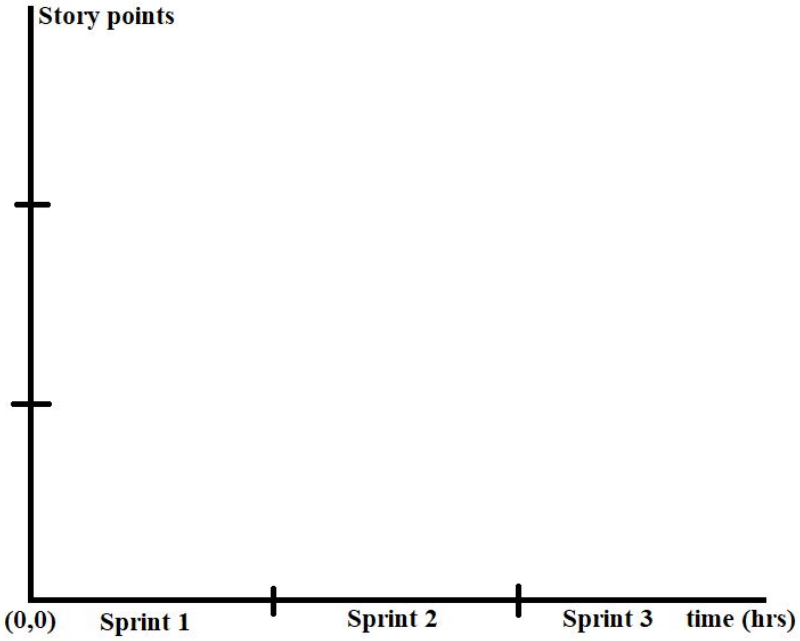
Team Roles:

- Erica: Product Owner, Developer
- Jeffrey: Developer
- Weixiang: Developer
- Max: Scrum Master, Developer
- Michael: Developer

Initial Task Assignment:

- Erica: Determine which note (on piano) is closest to given frequency (Algorithm)
- Jeffrey: Determine which note (on piano) is closest to given frequency (Algorithm)
- Weixiang: Record audio and determine its frequency. Utilizing hardware parts.
- Max: Record audio and determine its frequency. Utilizing software commands.
- Michael: Record audio and determine its frequency. Utilizing software commands.

Initial Burnup Chart:



Initial Scrum Board:

Stories:	To Do:	In Progress	Done:
As someone who is new to piano, I want an app that can tell me the note that corresponds to the key I am pressing so that I can learn which key is which.	1. Record audio and determine its frequency. Utilizing either a software command, or hardware parts. 2. Hardcoding which frequencies are what notes.	Null	Null
As a deaf and aspiring singer, I want to be able to classify frequencies to make the learning process much more efficient	● Determine which note (on piano) is closest to given frequency (Algorithm)	Null	Null

Scrum times: Tuesday 1PM, Thursday 1PM (with TA), Friday 3PM