Sprint 1 Plan for the “Amazing Music” Project

Team: Amazing Music

Project Owner: ChongWei Zhao

Initial Scrum Master: William Whelan

Members: Inyoung Cho, Bali Southam, DongYeun Lee

7/7/18

**High Level Goals:**

We hope to create the program to allow the user to import and play audio files. We also hope to set up basic aspects of the server which we will continue to work on in Sprint 2.

**Task Listing, Organized by User Story: (# of hours expected for each task in parentheses)**

1. As a user, I can import music from my local disk.
   1. Read files with java.io.\*; (1hr)
   2. Decode audio into arrays (3.5hr)
   3. Load decoded arrays into software as timeline (4hr)
2. As a user, I can know if a file is a valid audio or not.
   1. Read file header (2hr)
   2. Validate file header (30min)
3. As a user, I can play music in this software.
   1. Play music with FF-MPEG (7hr)
4. As a developer, I want to make a valid socket client machine.
   1. Make a client machine which matches socket framework (2hr)
   2. Make the client can send proper object as request to the server (2hr)
5. As a developer, I want to make a valid socket server machine.
   1. Make a server machine which matches socket framework (3hr)
   2. Make the server can receive proper object as request from the client (3hr)
   3. Make a decoder (3hr)
6. As a developer, I want to make a shell outside the core server.
   1. Create a shell (2hr)
7. As a developer, I want to expose proper APIs to the Internet
   1. Decide what and which API we need to expose to Internet and how (2hr)
   2. Make these APIs so they can be accessed right after something comes in from the open port (2hr)

**Team Roles:**

Mason: Front end developer

William: Front end developer

Bali: Front end developer

Inyoung: Back end developer

Dong Yeun: Back end developer

**Initial task assignment:**

Mason: User story 3 and 5c

William: User story 1

Bali: User story 2

Dong Yeun: User story 6 & 7

Inyoung: User story 4 & 5ab

**Initial Burnup Chart:**

**Initial Scrum Board:**

Provided in GitHub as “Sprint 1 Trello Board”

**Meeting Times:**

M/W/Sa: 1-3 p.m

T/Th: 9 – 12:30 p.m

TA1: M 3:15-3:45 p.m

TA2: Th 11:00-11:30 a.m