Release Plan CS 115 “Amazing Music” Project

Team: Amazing Music

Date: 7/6/2018

Project Owner: ChongWei Zhao

Initial Scrum Master: William Whelan

Members: Inyoung Cho, Bali Southam, DongYeun Lee

**High Level Goals for the Project:**

Make a program to play music

Program allows user to edit and share music

**Tools and Languages Required:**

Framework: Socket

Server: Java

UI: MS Visual Studio (C++ || C#)

User-end programing lang: Java

**User Stories for the Project:** (Story points in parentheses)

For story points, each member rated the task from 1-10 (1 being very simple, 10 being very difficult) All the ratings were summed.

Sprint 1:

As a user, I can import music from my local disk. (15)

As a user, I can know it a file is a valid audio file or not. (36)

As a user, I can play music in this software. (29)

As a developer, I want to make a valid socket client machine. (10)

As a developer, I want to make a valid socket server machine. (13)

As a developer, I want to make a shell outside the core server. (29)

As a developer, I want to expose proper APIs to the Internet. (19)

Spring 2:

As a user, I want to change the speed and pitch. (35)

As a user, I want to be able to adjust volume. (15)

As a user, I want to be able to share music with other people via File Server. (38)

As a developer, I want to make a File Server that can normally receive and process in-coming files. (41)

As a developer, I want to create UI for the user-end software. (34)

As a developer, I want to make core functions for user-end software. (37)

As a developer, I want to combine UI and core functions together. (29)

Sprint 3:

As a user, I want to be able to download other’s music from the server. (38)

As a user, I want to be able to search other’s music artworks. (32)

As a developer, I want to find (and maybe fix) as much bugs as possible. (50)

**Backlog**

As a user, I want to be able to cut and combine audio tracks.

As a user, I want to be able to characterize each music, if I would like to.

As a user, I want to be able to make my own page, account and profile (SNS Network).

As a user, I want to be able to comment other’s music.

**Challenges/Risks:**

1. Unfamiliar with simulator technology
2. Small time period
3. Different time schedules among team members
4. Unfamiliar with Socket and server programming
5. Unfamiliar with audio programming libraries
6. Not every one is familiar with Java