Sprint 2 Plan for the "Amazing Music" Project

Team: Amazing Music
Project Owner: ChongWei Zhao
Scrum Master: Bali Southam
Members: Inyoung Cho, William Whelan, DongYeun Lee
7/10/18
-Updated 7/14/18

High Level Goals:
We hope to create the program so it allows the user to play, edit, and share their music within the User Interface.

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

1. As a user, I want to navigate an attractive and easy-to-use interface where I can click to play, edit, and share audio files.
   A. Design drafts for all possible displays in the User Interface. (2)
   B. Create the User Interface for the main page the user will see. (4)
   C. Create the User Interface for the play, edit, and share pages. (6)
2. As a user, want to be able to play my audio track in the app.
   A. Decode the audio file into array. (3)
   B. Set up a timeline for the audio file to let the user know what part of the music file is currently playing. (6)
   C. Combine the timeline and the array. (2)
   D. Read and play each element on the timeline. (6)
3. As a user, I want to adjust the volume, speed, and pitch of my audio files.
   A. Create volume editing function for user-end software to allow user to change detailed volume in the music. (3)
   B. Create speed editing function for user-end software to allow user to change detailed speed in the music. (3)
   C. Create pitch editing function for user-end software to allow user to change detailed pitch in the music. (3)
   D. Use JNI to run the FFMPEG library in Java . (5)
4. As a user, I want to be able to share music with other people.
   A. Make a shell to activate and run the whole server. (1)
   B. Decide what and which API & core function in the server are related with core functions for user-end software. (3)
   C. Make a *File Server* that can receive and process incoming files. (4)
   D. To control the *DB*, make SQL operation in Java (e.g. read DB, write DB, etc). (5)
   E. Discuss and design *core functions* that works in the server with SQL operation. (4)
   F. Make *core functions* of the server like register the user, login, upload the file, and download the file. (6)

G. Debug core functions and make test codes to see if the whole functions, server works well. (5)

[Total hours: 71 hrs]

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 (Total expected hours):
Mason: User story 2, all tasks (17)
William: User story 3, all tasks (14)
Bali: User story 1, all tasks (12)
Dong Yeun: User story 4, tasks B, D, F (14)
Inyoung: User story 4, tasks A, C, E, G (14)

Initial Burnup Chart:
Provided in Github as "Sprint 2 Initial Burnup Chart"
Initial Scrum Board:
Provided in GitHub as "Sprint 2 Initial Trello Board"

Meeting Times:
M/W/Sa: 1-3 p.m
T/Th: 10-12 p.m

TA1: M 3:15-3:45 p.m
TA2: Th 11:00-11:30 a.m