Christian Hernandez, Chaz Clark, Daksh Goel, Vignesh Krishnan, and Vatsal Bhatt

SE 491

Dr. Ben-Othmane and Dr. Qiao

2 February 2020

<div align="center">Bi-Weekly Status Report #1</div>

BI-WEEKLY SUMMARY

Currently, we are in the early stages of our project. Thus, we do not have an app created at the moment. However, we have met with our client and as a team to begin to discuss the initial phases of our app. We have modified the requirements and the description of our project within this reporting period. We have also discussed the technologies we plan on using and the roles of each team member will be throughout the duration of this project. Additionally, we have done our fair share of research to identify what streaming service we plan on using for this app. Overall, the status of our project is in great shape, and we have a clear plan of attack. Next, as a team, we accomplished a lot. This includes research into music streaming services, APIs, Apple developer programs. Furthermore, as a team, we began to practice and learn XCode and Swift, established the team and client meeting times, created a new project within Jira Software to manage our project, etc. All in all, we are satisfied with our project status and our progress for the reporting period.

INDIVIDUAL CONTRIBUTIONS

- Daksh
  - Hours Worked
    - **Week 1:** 6

- **Week 2:** 6

- **Total Cumulative Hours:** 12 hours

  - Team Meeting

    - Met with all team members to discuss requirements, discuss Reflection 1, and to create our technology list

  - Learning Swift

    - Began to learn Swift basics

  - API Research

    - Identified Spotify API endpoints that can be used to implement our application

  - Reflection 1

    - Completed the first 491 reflection

  - Spotify POC

    - Created a POC application which allows an iOS application to play music through the spotify API

- Chaz

- Hours Worked

  - **Week 1:** 6

  - **Week 2:** 6

  - **Total Cumulative Hours:** 12 hours

  - Apple Developer Program Research

- - - Researched into requirements in developing iOS applications and how distribution will work with an Apple developer account
  - ○ Music Streaming Research
    - ■ Looked into iOS restrictions and capabilities with music integration services
  - ○ Reflection 1
    - ■ Completed 491 first reflection delivering clarity to roles assigned to the team members
  - ○ Team Meeting
    - ■ Discussed Dr. Duwe's deliverables, project roadblocks, and redesigned the project description.
  - ○ Client Meeting
    - ■ Reviewed and discussed material about client application
- Christian
  - ○ Hours Worked
    - ■ **Week 1:** 6
    - ■ **Week 2:** 6
    - ■ **Total Cumulative Hours:** 12 hours
  - ○ Project Management tools
    - ■ I research project management tools for our team to use. Ultimately, we decided on using Jira Software as the tool to keep track of our progress

- ■ I have also started to update Jira Software with tasks that must be done for our project
- ○ Competitors of our proposed app
  - ■ I looked to see if there are any competitors or someone that has implemented a similar idea to the app we plan to make. So far, I have not found any.
- ○ Helped construct document with project requirements and project description (part of team meeting)
  - ■ During our meeting, we came up with a list of requirements and a new project description. Dr. Duwe (client) requested we do this for him
- ○ Research into Pandora and Spotify
  - ■ I did a little research on how to integrate Pandora and Spotify into one's app
- ○ Reflection 1
  - ■ Filling out the first reflection consisted of discussing with our group about team roles, expectations, etc. Because of this reflection, we decided on which role we should play for this project
- ○ Client communication
  - ■ I set up our meeting with our client, and I have communicated a little bit with him via email
- ○ Team Meeting

- - ■ I attended and scheduled our first team meeting and contributed to the discussion
  - ○ Overall, I have contributed to the overall progress of our project by the accomplishments I listed above. I wanted to make sure we met with our client the first week to get a good idea of the project we are working on. Additionally, I contributed to the overall progress of our project by setting up Jira Software for us to help keep us organized with our project and tasks.

- Vatsal
  - ○ Hours Worked
    - ■ **Week 1:** 6
    - ■ **Week 2:** 6
    - ■ **Total Cumulative Hours:** 12 hours
  - ○ Apple Developer account Research
    - ■ Looked into obtaining a developer account from Apple for testing purposes.
  - ○ Music Streaming Research
    - ■ Looked into different music streaming services including Spotify, Apple Music, Pandora, etc. to check for compatibility and development kits to integrate them into our app.
  - ○ Alternate options Research
    - ■ Researched for already existing apps that offer services that are similar to the one we will be developing.

- ○ Reflection 1
  - ■ Completed the first assignment for 491: Reflection #1 which talked about team as well as individual roles and responsibilities.
- ○ Team meeting
  - ■ Attended the first standalone team meeting as well as the meeting with our Advisor, Dr. Henry Duwe.
- Vignesh
  - ○ Hours Worked
    - ■ **Week 1:** 6
    - ■ **Week 2:** 6
    - ■ **Total Cumulative Hours:** 12 hours
  - ○ Apple Developer Account Research
    - ■ Searched online about how much it costs to have an apple developer account and whether its needed for testing
  - ○ Apple Watch and Fitbit Integration
    - ■ Researched whether using apple watch health data is feasible for the scope of the project
  - ○ Competitors
    - ■ Spent time searching for competitors to our app. Gained useful information about similar apps and whether there is something we can improve on ours based on the flaws of those apps
  - ○ Reflection 1

- Completed reflection 1 and discussed team responsibilities and roles going forward
    - Meeting with client and faculty advisor
        - Attended two meetings with our advisor/client to discuss the goals and scope of the project. Cleared up a lot of doubts that we had a rewrote the description and requirements based on that.
    - Team Meeting
        - Attended our first team meeting as a group. Worked on the bi-weekly status report, discussed responsibilities and roles, talked about which technologies we'll be using and the overall scope of the project

PENDING ISSUES

Given that we are in the early stages of our project, we do have any major issues we are currently dealing with at the moment.

PLANS

Detailed plans for the next reporting period.

1. We must continue to discuss the architecture for the app
2. Start to come up with a basic design for our app
3. We need to continue to research materials for our app.
4. Dr. Duwe requested us to develop some use cases for our app
5. Develop video for the first lightning talk

6. We need to keep our website up to date by adding team info and our first Bi-Weekly Status Report

7. Continue to have meetings to discuss our project and complete tasks that are given to us by our client