

## ***CS 408 Fall 2018: Project Charter***

### **Problem Statement**

Students have a lot on their plate and need help managing all their classes, schoolwork, events, and personal life. In order to help organize and plan their schedules, many use calendar apps such as Google Calendar. While the programs these students are currently using are very useful for a variety of applications, they tend to be built for general purpose use. Because of this, these programs can be tedious to use and have somewhat of a learning curve, leading to some students choosing not to use software to keep track of their schedules and miss out on the benefits of doing so. A streamlined program would help students create and keep track of schedules faster and easier, and would encourage more students to use it.

### **Objectives**

- Create calendar app to improve productivity
  - Have a clean GUI event schedule viewer
  - Send reminders to the user for upcoming events
  - Send reminders to the user when allocated time for events are up
- Remove barriers to entry of having a meaningful calendar
  - Make repeated events easier to make
  - Have the user enter the least amount of information possible to schedule the event
  - Have preset classes to streamline event creation
- Create an app that will be tailored to scheduling healthy and productive routines
  - Suggested times for activities to maximize your daily potential
  - Suggest the appropriate allocation of activities to user to keep work and life balanced
  - Have visualizations of how productive your day is compared to how productive it could be, and what your balance looks like
  - Give the user an option to track sleep and view their sleep debt for the week
- Create a priority algorithm to recommend proper times for user to spend time on events

### **Stakeholders**

- Users
  - Students will be the main users of the app, in improving overall productivity
  - People with tight schedules, such as startups for example, can also use our app to stay on track of their objectives.
- Interested Parties
  - Parents want to help their children in school to manage their work / life balance.
  - Teachers want students to be better organized and will be able to do better in classes.
- Developers - Joe Marshall, Gus Vroustouris, Delun Shi, Pano Kostouros, Abhi Gupta

- Developers want to show that existing platforms like Google calendar can be improved on.
- Project Coordinator - Adam Johnston
- Professor - Xiangyu Zhang

## **Deliverables**

- Java Desktop Application to manage schedules and work/projects
- MongoDB will be used to store the information of the user
- Heroku will be used to host the database
- JavaFx will be used for the frontend development