FermentedAgaveJuice -- Johnny Wong, Sophia Xia, Clarence Cheng
APCS2 pd1

Final Project Proposal:

FermentedAgaveJuice seeks to program a personal schedule command line-based app. In this program, the user will be able to add, remove, and push tasks and events to a specified date and time. Notifications for due dates and important events will appear in the form of a visual cue while the program is active. The goal is to create a user friendly interface that will run in the terminal taking advantage of the Keyboard class for user input.

Our project will utilize the Object Oriented Paradigm by creating a Schedule class that encapsulates the Task and Event Objects the user may have. These Task and Event Objects will be organized into singly LinkedLists, where each LinkedList contains each Task/Event in the order they are scheduled based on their Time. Notifications will appear an hour before a Task/Event is going to occur to alert the user (the stretch portion of this is to make an alert outside of the terminal - if we are unable to learn this the notification will be in the terminal).

The user has the ability to also create Schedules for their Friends to further organize their life and perhaps communicate/plan better for projects such as this one. These Schedules will be stored in Schedules.csv, along with the user's to maintain app functionality. The user can perform the same operations they can on their Schedule on a Friend's.

The user will be able to view information pertaining to when they are free during a certain Day, Week, Month, or Year. They may also view information about when they and a specified Friend is free. Error handling will be involved if this Friend does not exist.

What makes our schedule app unique is the ability to track Habits and the History of Task/Events completed/gone to of the user (perhaps a Friend too if that matters to the user). Our app will spit out information based on keywords in their completed Tasks/Events that tell them how they spend their time. This information, presented in a clean chart in the terminal (instead of the back up plan of println statements) would be useful in their self-assessment of what they have been doing with their lives.