

FermentedAgaveJuice -- UML Diagram APCS2 pd1 Johnny Wong Sophia Xia Clarence Cheng

Schedule

#### **INSTANCE VARIABLES**

- LinkedList<Task> \_tasks
- LinkedList<Event> events
  - Habit habits
  - History history
  - String name

## **METHODS**

- + void notify()
- + String toString()
- + void addTask(Task newTask)
- + void addEvent(Event newEvent)
- + Task removeTask(Time timeOfTask)
- + Event removeEvent(Time timeOfEvent)
- + void changeTaskTime(Time originalTime, Time newTime)
- + void changeEventTime(Time originalTime, Time newTime)
  - + void viewFreeTime()
  - + Time getFreeTime(Time specifiedTime)
  - + void viewSharedFreeTime(String friendName)

Task

**INSTANCE VARIABLES** 

- String \_description

- Time \_time

#### **METHODS**

- + String getDescription()
  - + Time getTime()
- + String setDescription(String newDescription)

+ Time setTime(Time newTime)

NOTE: We most likely will make an interface that provides the guidelines of what a Task and Event are. Eventually, we will figure out what makes each unique. Event

#### **INSTANCE VARIABLES**

- String \_description
- Time \_time

#### **METHODS**

- + String getDescription()
  - + Time getTime()
- + String setDescription(String newDescription)
  - + Time setTime(Time newTime)

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Friend

# **INSTANCE VARIABLES**

- String \_name

- Schedule \_schedule

### **METHODS**

+ String getName()

+ Schedule getSchedule()

+ void addTask(Task newTask)

+ void addEvent(Event newEvent)

+ Task removeTask(Time timeOfTask)

+ Event removeEvent(Time timeOfEvent)

+ void changeTaskTime(Time originalTime, Time newTime)

+ void changeEventTime(Time originalTime, Time newTime)

+ void viewFreeTime()

+ Time getFreeTime(Time specifiedTime)

Habit

INSTANCE VARIABLES
- String []\_keywords
- double []\_counter

METHODS
+ void viewHabitChart()
+ String habitChart()
+ void calculateHabits()
+ double sumArray()
+ double percentageOfHabit(String keyword)

History

#### INSTANCE VARIABLES

- String [ ] \_keywords - Time [ ] history

## **METHODS**

- void viewHistory()

String getHistory()