

The Problem:

People everywhere simply don't have enough time. Between a person's job(s), homework, family matters, and **life**, it's not often that we get to pursue the things that we want to do. This is because *spare time* is hard to come by, even for the most efficient planners.

Cloney is an application that will take the scheduling strategies that we try so hard to adopt into our own lives, and *create* a flexible, comfortable and *efficient* daily plan based on those strategies, prioritizing creating *spare time* to pursue personal projects that you want to do while keeping intact those things that you need to do (events, classes, job hours, etc.)

The Outcomes:

This application would have similar functionality to a calendar. Viewing your day-to-day plan, adding events and assignments... what would change is *how* each day gets planned. Each time you add a new set of projects or Tasks, Cloney will rethink your schedule to make the most of each moment so everything will be taken care of by the time every Task is due.

Using techniques like Pomodoro study technique and Critical Path Method (CPM) for scheduling, Cloney will build up the very best schedule from your Tasks and Events and will update as you finish (or take on more) projects.

The Plan:

The structure of the overall program takes this form:

The “thinking” object (Cloney Analysis Machine, or **CAM** for short).

The handler object, which is a friendly bot named **Cloney**.

First, Cloney is going to need the resources to begin building schedules. A “schedule” has a few different parts:

- A length of time, with a start and an end
- Access to the current time
- The list of Tasks to be done within the allotted time
- A calendar to place the schedule in

So, the first job will be creating these dependencies that Cloney needs in order to begin working with them and “thinking” about new schedules. Having objects handle each part should help with debugging later on, and it will keep the project organized while coming up with solutions to each set of issues.

Next, for Cloney to build a schedule, it will need a sort of algorithm for creating the perfect schedule. We will begin with a series of instructions for separating a Task into parts based on the amount of time it should take to complete it. We will then take all of these parts of tasks, a number of breaks, and a few sessions for mealtimes, then build up a Calendar with all of the times and event lengths.

More Debugging...

GitHub Link

Here is a link to my github repository: [Cloney App](#)