Here is why I am building this program:

I have used various habit tracking software in the past to track my habits and it has been too difficult for me. I am a VERY lazy user of these apps and do not like clicking around on my phone every time I want to update one of my habits. From July 2020 to March 2021, I have been using a word document to track my habits. This word document has been in this format:

Date:

Weekday:

Wrkt:

Bedtime/wake up:

Study csci:

...

and the list goes on like this. I copy and paste the prompts I listed above

to track my habits for subsequent days. The problem that I have with this is

that I don’t like having to click the next line each time I am done updating the habit

information for that day and when I say "click" I mean I don't like literally having to move my finger and tap the line below. For example, if I am typing in data for "Date:" on my mobile device I have to click to the right of "Date:" and then type in "month/day". To enter data for the next line I have to move my finger and click to the right of "Weekday:" and then type in "<weekday>". To enter data for the next line I have to move my finger and click to the right of "Wrkt:" ... you get the picture. So, to save myself the monotony of having to click every time I want to enter new data for a habit that I want to track, I am creating this Habit Tracker Program to automate this task.

With this program, I want my command line to prompt me to enter data in a specific format

for each habit I want to track, then when I click "enter" I will not have to click, I will just

get prompted to enter the data for the next habit I am wanting to track.

future iterations of this program is to have an implemented mobile application that can automate this process and be compatible with purely voice when the user is submitting data for the daily habits they want to track.

accountabilityReader purpose is to take in a primer.txt file with format:

Date: Date

Weekday: name

Wrkt: YOrN

Bedtime/wake up: sleep

Chapters of bible read: YOrN, Amount

Study csci: YOrN, Amount

Therapy work: YOrN, name, Amount

Meditation: YOrN, name

Full body stretching: YOrN

Connection: YOrN, Amount

Journaling: YOrN, Amount

videogames: YOrN, Amount

Expression: YOrN, Amount

Caffeine: Amount

This primer file is used to "prime" the program to take in "record.txt", that contains "Tracks" (activities and things that user wants to track), file with the similar pattern of the Tracks and TrackMetrics in the primer.txt. A Track object is the string to the left of the ":" and the TrackMetric(s) is what is on the right side of the ":"

i.e Caffeine is the "Track" and the Amount is the "TrackMetric"

Date: 1/4

Weekday: mon

Wrkt: y strength

Bedtime/wake up: 1-9

Study csci: y class

Therapy work: n

Meditation: y 20 mins breath

Full body stretching: y 2x

Connection: y call maur, call jason,

Journaling: y

videogames: y chess 20 min

Expression: y singing

Caffeine: 200 mg

Sugar: waffles, ice cream

The above from "Date: .... Sugar:" is one "Day" object. A week is made up of seven Day objects.

The goal of this program is to use the record.txt file to create Day objects within a Week object and display the contents of that week. In the above case it would be how much sugar the user had that week, how many times they worked out etc

As of 01/05/21 The program takes in the primer.txt file and creates a skeleton of empty day

objects to be filled in by the record.txt file.