

# Habit Tracking Application

## Finalization Phase

<https://github.com/Dinalu99/habit-tracker-project.git>

### Phase 3: Abstract

Dina Alhaj Ibrahim

The objective of this project is to create a habit tracking app that the user can use to add his/her habits plus to easily track their daily, weekly, and monthly habits. The initial idea is to get the current date and manage and work with date related values. I also imported date from this library to get the current date in integer values for comparing purpose. The tools used in this project were python3 and the software was visual studio code. Tried to start with Jupyter first but found that Visual studio makes for sense to me in terms of functionality and more convenient.

I started my project with a lot of research and questions since this is my first every app project. Started with phase 1 which was basically summing up what I want my app to hold and what features will the user expect. After that I went and started my 2<sup>nd</sup> phase which was starting to the coding part, took me a lot of time and research of what to choose and what tools suit best. As for the main.py, the concept was simple. I assigned object and used classes to keep the code readable. The user can add multiple habits and delete and the ability for the app to analyze too. Adding to all that I included in my project error handling procedure for menu, habit menu, modifying habits, mark habits, and for habit entry all these will be found in my GitHub in full detail.

The only thing I would do differently is adding more classes and adding maybe a data frame structure. Data frame would have helped me and the user a lot, but it was difficult for me to add it. Other than that, my flow chart could have been better and clearer I would say.

### Conclusion

The app works fluently with no errors on visual studio code that the user can see. The results match the expectations of the project.

- 1- The user can view, create, modify, and analyze habits.

2- The user can also tick the done habits as stated in my case model.

This project was an amazing way for me to get started with python. Although at the very beginning it was difficult and very advanced but with a lot of searching and studying I got the grasp of it and it leveled me up in programming.