

# Overview

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Habit tracking app that allows users to track their daily habits and monitor their progress over time. Users can create, modify, delete, and search habits, and check off each day they complete the habit

## Getting started

Before using the Habit Tracking App make sure you have Python3 installed on your computer.

### How to run it?

- Clone the repository from GitHub: `git clone https://github.com/gianniprocida/habit\_tracking\_app.git`
- Navigate to the habit-tracker directory: `cd habit-tracking_app`
- Install any dependencies required by the project: `pip install -r requirements.txt`
- Run the project by executing the menu Python file: `python menu.py`

This should start the habit tracking program and allow you to interact with it via the user interface provided by the project.

## Features

### Create new habits

To start tracking habits, you need to create a `HabitTracker` instance by providing the name of the user. Then we pass in the name of the habit, "Study OOP", the start date of the habit period, '2023-04-01', the end date of the habit period, "2023-04-28", and the frequency, 'D'.

```
tracker = HabitTracker("John")
tracker.addHabit("Study OOP", "2023-04-01", "2023-04-28", "D")
```

### Delete a habit

We call the `delete_habit` method on the `HabitTracker` class and pass in the name of the habit we want to delete. This will remove the habit from the tracker object.

```
tracker.delete_habit("Study Python")
```

### Get habit by name

We call the `get_habit_by_name` method on the `HabitTracker` class and pass in the name of the habit we want to retrieve. This will return a `Habit` instance with the specified name.

```
myhabit = tracker.get_habit_by_name("Brush your teeth")
```

### Get habit by id

We call the `get_habit_by_name` method on the `HabitTracker` class and pass in the id of the habit we want to retrieve. This will return a `Habit` instance with the specified id.

```
myhabit = tracker.get_habit_by_id(1)
```

## **Check off by name**

We call the `checkoff_by_name` method on the `HabitTracker` class and pass in the name of the habit we want to check off. This will add the string "y" to the `checkoffList` of the `Habit` instance with the specified name.

```
tracker.checkoff_by_name("Brush your teeth", "y")  
tracker.checkoff_by_name("Brush your teeth", "y")
```

These are just a few examples of the functionality of this habit tracking app. For more information, please see the documentation or explore the source code.