In this project, I needed to implement a service for monitoring my habits. I thought for a long time about the technology that would be the most suitable for this task. Initially, I wanted to implement just a program with which it would be possible to work in the console. But then I came up with the idea to implement an api service. To choose the final implementation, I decided to write out the pros and cons of each of them:

Console app:

PROC:
1) Easy to implement
2) Can create it without framework
3) Easy for testing

CONS:
1) Available only on your computer
2) Allow only for one user

REST API:

PROC:
1) Available for anyone via internet
2) Ability to expand functionality and create a graphical interface
3) Ability to expand functionality and create a admin dashboards
4) Ability to use cloud databases
5) Ability to learn new framework

CONS:
1) Need to learn new framework
2) Harder to implement

After comparing the pros and cons, I decided to implement REST API service.Now I was faced with the task of choosing the most suitable framework. I knew about such frameworks as Django, Flask, aiohttp. As a result, I decided to choose the django framework, because it has the most understandable and complete documentation, the ability to work with different databases. the ability to cover the code with tests and the ability to create an admin panel.

In the end, development took about 7 days.

Here link to github repository: https://github.com/IvanVasyliev/habits_app