

There are multiple ways to build this program. It can be a console app or REST API or a GUI Application running locally. We will first discuss the pros and cons of every approach

Approach	Pros	Cons
Console	<ul style="list-style-type: none">• No framework needed• Easy to build	<ul style="list-style-type: none">• No interactive interface• Only runs locally• Not scalable
REST API	<ul style="list-style-type: none">• Can be hosted online• If hosted, anyone around the world can access it• A frontend can be easily linked to it making it a full-fledged application• Highly scalable	<ul style="list-style-type: none">• Creating an API is a complex process• A framework is needed
GUI App	<ul style="list-style-type: none">• Easy to build• User can interactively work with the program• GUI makes the application more appealing	<ul style="list-style-type: none">• Utilizes user's CPU resources• Python isn't much favorable for creating GUI applications

After comparing the pros and cons of each approach, I went on to develop a REST API. Python has many frameworks for API creation like FastAPI, Django, Flask, etc. I chose Django as it is widely used and has an in-built admin dashboard for easy access to control the data.

It took 7 days for me to complete this project.

GitHub link: https://github.com/IlliaVasyliev/habits_app