



# Test Task for Webtronics FastAPI candidate

We are inviting you to assess your knowledge and solve the task below. Please pay attention to requirements for technology, code, your solution submission and don't forget to visit the "bonus" section! You will need to upload your solution to Github. Good luck and feel free to be as creative as you think you should be!

## TASK

### Description

Create a simple RESTful API using FastAPI for a social networking application

### Functional requirements:

- There should be some form of authentication and registration (JWT, OAuth, OAuth 2.0, etc..)
- As a user I need to be able to signup and login
- As a user I need to be able to create, edit, delete and view posts
- As a user I can like or dislike other users' posts but not my own
- The API needs a UI Documentation (Swagger/ReDoc)

### Bonus section (not required):

- Use <https://clearbit.com/platform/enrichment> for getting additional data for the user on signup
- Use emailhunter.co for verifying email existence on registration
- Use an in-memory DB for storing post likes and dislikes (As a cache, that gets updated whenever new likes and dislikes get added)



## Technology Requirements

Tasks should be completed:

- Using FastAPI 0.50.0+
- With any DBMS (Sqlite, PostgreSQL, MySQL)
- Uploaded to GitHub

## Requirements

When implementing your solution, please make sure that the code is:

- Well-structured
- Contains instructions (best to be put into readme.md) about how to deploy and test it
- Clean

The program you implement **must be a complete program product**, i.e. should be easy to install, provide for the handling of non-standard situations, be resistant to incorrect user actions, etc.

## TASKS SUBMISSION

In order to submit completed tasks, please, create a public GitHub repository and input the link in the form