

Morr | Backend Engineer Intern Assignment

Overview

Write the code in Python, along with appropriate unit and integration tests. Please especially emphasize coding principles (code modularity, separation of concerns and testability).

Please don't use Django rest framework for this assignment. You can use Flask, FastAPI or Django for this assignment.

Writing unit testing cases is mandatory and without unit test cases we won't check the assignment.

This challenge is expected to take about 48 hours.

Share with us the public Github/bitbucket link of the project in the [form](#) along with other details.

Note: We know that the solution is available on the internet but we are not testing your googling skills here. We will reject all the assignments copied from the internet.

Details - Contact book

- Develop a suite of CRUD APIs for a contact book app
- Each contact should have a unique email address
- APIs should support adding/editing/deleting contacts

Bonus Points for:

- Allow searching by name and email address
- Search should support pagination and should return 10 items by default per invocation
- Add unit tests and Integration tests for each functionality.
- Add basic authentication for the app. Use environment variables or basic auth(for rest APIs)
- The code should scale-out for millions of contacts per contact book