

Final Project progres report

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1) Which tasks have been completed?

I have completed the following tasks:

- Complete initial research
- Test the GitHub and OpenAI APIs
- Outline the module architecture
- Complete the Tech Review

I have set up the tokens for both GitHub and OpenAI, and tested the APIs. It took me some time to figure out the difference between the /v1/chat/completions and /v1/completions (different setup, different user roles can be provided, different models used).

2) Which tasks are pending?

The implementation tasks are still pending:

- Install the related Python packages (PyGithub and OpenAI)
- Complete the portion interfacing with ChatGPT API
- Complete the portion interfacing with GitHub API
- Final project assembly
- Documentation, setup instructions and video report

3) Are you facing any challenges?

No significant technical challenges at the moment. I set up the API keys and have experimented with both the ChatGPT API and with GitHub API separately. I have a solid understanding of both at the moment. It looks like the gpt-4 model performs better with the code, but it won't be available to the non-paying customers – so replicating the work done with that model would be challenging for the graders. The most challenging aspect of working with ChatGPT right now is that the response is different every time and not always predictable. Additionally, there are personal challenges – my kids were out of daycare for a few weeks due to being sick and I wasn't able to complete the code to the extent planned originally by the time of this review.