CodeView

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Group:
Group I

Inhoudsopgave

MVP

- The software is a website where the user can be either the submitter or reviewer.
- The submitter uploads code, and the software uses LLM models to summarize the functionality of the code, and highlight parts that might have a problem.
- The reviewer writes feedback based on the output of LLM, and sends it back to the submitter.
- Based on the feedback, the submitter could grade the review with useful or not useful.

Software Structure

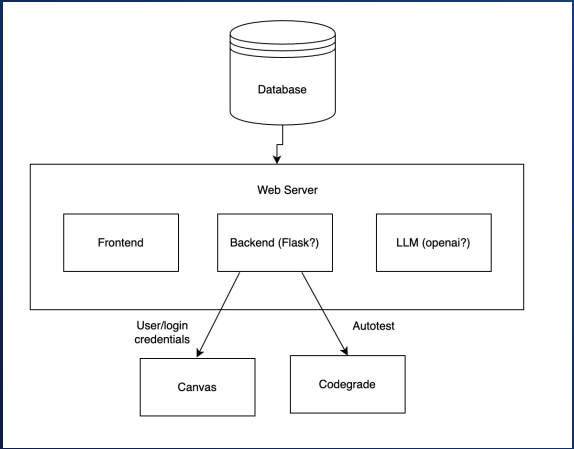


Figure: Software Structure version v1

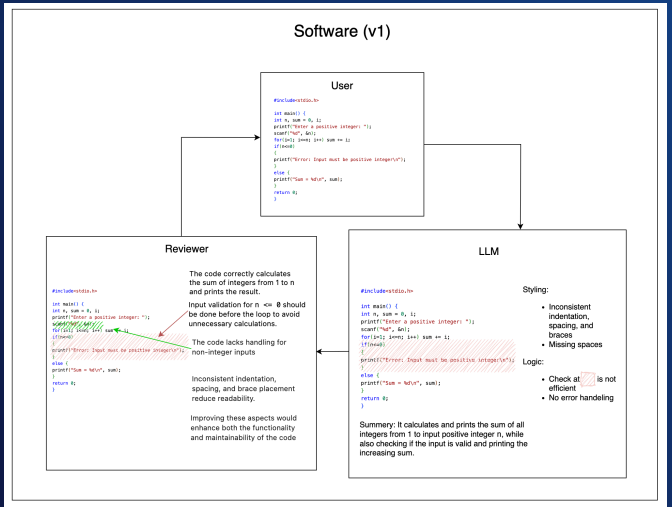
Tech-stack

- Frontend: ReactJS, Figma
- Backend: Python, Flask
- Database: SQLite, MySQL
- LLM: Open AI API
- Server: Digital Ocean (?)
- Version Control: git

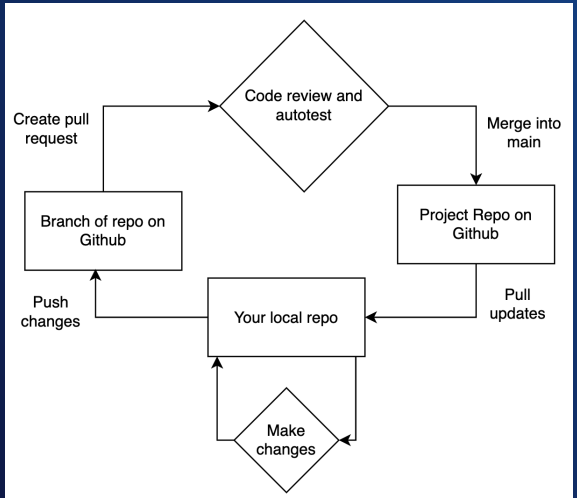
User Story

- As a teacher, I want my students to learn from both giving and receiving feedback in an accessible manner.
- As a student, I want to improve my coding skills through feedback.
- As a student, I want some guidance in giving feedback, as I'm not always sure about the correct way of doing this.

Software Flow



Git Work Flow



Task-allocation

- Web app Front-End: Finn, Duco, Kevin
- Web app Back-End / Database: Adam, Martijn, Max, Janou
- LLM: Marijn, Scott, Timon

Responsibility-allocation

- Front-End leads: Duco
- Back-End lead: Adam
- Scrum master: Kevin
- Git master: Finn