Chat with your SW project

Large software projects often contain many source code and documentation files. Finding relevant information in these files can therefore be a time-consuming task. In this software project, a software is to be developed that allows you to "chat with a software project".

For a user query, the file in the software project that can best answer the user query with the help of Gen-AI is to be searched for and found.

Requirements:

- **[R01]** A software user can ask our software questions that will be processed by it.
- **[R02]** Based on the user query [R01], the software finds the most relevant .py, .md, or .rst file for that specific user query.
- **[R03b]** The software generates an answer to the question, if the question can be answered based on the previously retrieved file.
- **[R03b]** Otherwise the software responds with "Sorry I can't answer your question based on the file <filename>".
- **[R04]** The software is implemented using Python.

Requirements priorization

Requirement	Priority
R01	High
R02	High
R03a	High
R03b	High
R04	High