

DocsAgent

Documenting source code is typically an unpopular task among software developers, which is why many software projects are poorly documented. The goal of this project is to create software that makes use of Gen-AI to document Python projects and create readme files for the projects.

Requirements:

- **[R01]** The software takes a file path to a Python software project (e.g. git repository) as an argument.
- **[R02]** Semantic understanding of the software project.
- **[R03]** Create function based in code documentation for each Python file.
- **[R04a]** If classes exist in file: Creating in code documentation (docstrings) for classes in each Python file.
- **[R04b]** If no classes exist in file: Creating module based in code documentation for each Python file that does not contain classes.
- **[R05]** Create a Readme file with relevant information about the software project.
- **[R06]** The software is implemented using Python.

Requirements prioritization

Requirement	Priority
R01	High
R02	High
R03a	High
R03b	High
R04	High
R05	Medium
R06	High