Doc-It: AI-Generated Code Documentation

Author: Your Name

# Codebase Overview

A codebase!  
  
As an expert software architect, my task is to analyze this entire codebase and provide a high-level summary of the project.  
  
\*\*Project Overview\*\*  
  
The project appears to be a tool for generating documentation and summaries from source code. It utilizes natural language processing (NLL) techniques to generate human-readable explanations of code changes. The tool is designed to work with various programming languages, including Python, JavaScript, HTML, CSS, and Markdown.  
  
\*\*Key Features\*\*  
  
1. \*\*Codebase Summary\*\*: The project can generate a high-level summary of the entire codebase, providing an overview of the project's purpose, technologies used, and overall structure.  
2. \*\*Change Explanation\*\*: The tool can explain individual changes made to specific files, providing context about the change, its purpose, and potential impact on the project.  
3. \*\*Ollama API Integration\*\*: The project integrates with the Ollama API, a natural language processing platform, to generate human-readable explanations of code changes.  
  
\*\*Architecture\*\*  
  
The project's architecture appears to be modular, with several utilities providing functionality for:  
  
1. \*\*Config Handler\*\*: Handles configuration files and default settings.  
2. \*\*Diff Utility\*\*: Compares snapshots of file contents and identifies added, modified, or deleted files.  
3. \*\*LLM Utility\*\*: Utilizes the Ollama API to generate summaries and explanations.  
4. \*\*DB Utility\*\*: Manages database interactions for storing snapshot data.  
  
\*\*Key Components\*\*  
  
1. \*\*Snapshots Directory\*\*: Stores timestamped JSON files containing snapshots of file contents.  
2. \*\*Codebase Content\*\*: A single string containing the content of all relevant files.  
  
Overall, this project appears to be a promising tool for generating documentation and summaries from source code.