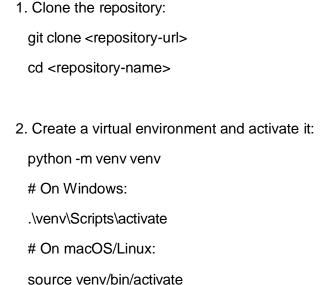
Al Chat-Based Documentation Finder

Setup Instructions



3. Install dependencies:

```
pip install -r requirements.txt
```

4.Add your OpenAl API key in a .env file:

```
OPENAI_API_KEY=your_api_key_here
```

5. Run the application:

streamlit run app.py

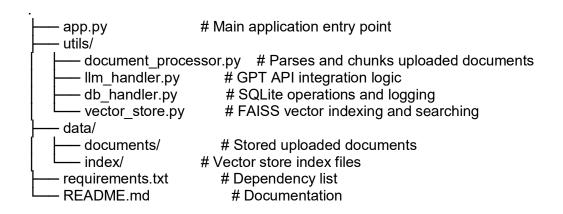
Architecture Explanation

The application consists of the following components:

- Frontend: Built with Streamlit for an interactive chat interface.
- LLM Integration: Uses OpenAI's GPT API to answer queries based on document content.
- Document Processing: Utilizes PyPDF2 and LangChain to process PDF/text files.
- Vector Store: FAISS is used to index document embeddings for fast semantic search.
- Data Management: Uses the local file system and SQLite for data storage and logs.

Project Structure

AI Chat-Based Documentation Finder



AI Chat-Based Documentation Finder

API Usage Guidelines

The application communicates with OpenAI's GPT API to process user queries.

Requirements:

- A valid OpenAl API key
- Sufficient credits on your OpenAI account

Best Practices:

- Store API keys securely using environment variables
- Handle rate limits and exceptions gracefully
- Monitor API usage and log errors for debugging