

You are a senior engineer writing the README and full technical PRD for a project named "Alexandrian." It is a zero-cloud, open-source RAG framework that supports self-hosted embedding, clustering, and LLM-based Q&A over local codebases or documents. It includes a CLI, FastAPI backend, Ollama LLM engine, vector DB (Qdrant), and clustering via HDBSCAN.

Use the following product specification to generate two outputs:

Output 1: README.md

Audience: Developers installing and using Alexandrian locally.

Must include:

- One-paragraph summary of what Alexandrian does
- Installation instructions (Docker, Ollama, Python deps)
- Quickstart commands (e.g., `alexandrian import ./`, `ask`)
- How to configure the embedding + LLM models
- How to extend or customize
- Screenshot block (placeholder for future image)
- License: MIT

Output 2: `PRD.md` (Product Requirements Document)

Audience: Internal engineering team or code-generation agents.

Must include:

- Full module-by-module breakdown (embedding engine, chunker, vector store, clustering, prompt builder, LLM bridge, CLI, API)
- Example JSON config (`alexandrian.config.json`)
- List of CLI commands with argument flags
- List of API endpoints and expected payloads
- Default tech stack (Ollama, Mistral, sentence-transformers, FastAPI, etc.)
- Dependency list (pip + docker)
- Install script logic
- Postinstall test
- Optional features roadmap (e.g., UMAP UI, VS Code plugin)

Product Summary:

- LLM: `mistral` via Ollama (localhost)
- Embedding: `bge-small-en` via sentence-transformers
- Vector DB: Qdrant
- Clustering: HDBSCAN
- Chunking: code-aware splitting (AST for code, Markdown-aware)
- CLI: `alexandrian` binary with subcommands like `ask`, `import`, `embed`, `recluster`
- Backend: FastAPI
- Install: `npx alexandrian create` (pulls models, installs Docker/Ollama, etc.)

Start by generating both the `README.md` and `PRD.md` from this prompt. Write in clean, idiomatic Markdown. Be explicit and precise. Use examples where needed. Use clean formatting for tables and code blocks.