

Tech Stack

Prototype1.0

WANT / NEED TO IMPLEMENT

- **Back End**
 - Language:
 - Python
 - Vector Store:
 - Chroma:
 - A vector store for managing and retrieving embeddings.
 - Used to embed and index documents.
 - Frameworks and Libraries
 - LangChain:
 - A framework for building applications with language models.
 - Used for document loading, text splitting, embedding, and retrieval.
 - BeautifulSoup (bs4):
 - A library for parsing HTML and XML documents.
 - Used with SoupStrainer to filter specific parts of the HTML content.
 - Tkinter:
 - A standard GUI library for Python.
 - Used for creating a file dialog to upload files.
 - LLM and Embedding
 - OpenAI:
 - Includes ChatOpenAI and OpenAIEmbeddings.
 - Used for generating embeddings and interacting with language models.
 - Community Extensions
 - LangChain Community Extensions:
 - Includes WebBaseLoader for loading web documents.
 - Provides additional document loaders and vector stores.
 - Core Utilities
 - LangChain Core:
 - Includes utilities like StrOutputParser and RunnablePassthrough.
 - <https://vectoradmin.com/>
 - API to provide information on documents vectors ect. from the vector store
- Front end
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