RAG in Depth Getting Sources

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Goals

- Show user the sources that were used to generate the RAG answer returning the Documents that were retrieved in each generation.
- LangSmith tracking to visualize the operations.

Dependencies and necessary modules

- New virtual environment.
- Install Jupyter Labs.
- LLM Model: OpenAl Chat Model.
- Embeddings Model: OpenAl.
- Vector Database: Chroma.
- Necessary modules:
 - Langchain, Langchain-openai, Langchain-community, Langchainhub
 - Chromadb
 - BS4 (Beautiful Soup, for web scraping).

.env file

- OpenAl API Key.
- LangSmith credentials.
- LangSmith project name.

LangSmith tracking

The LangSmith tracking starts with the first invoke.

Initial RAG app without sources

Same as in Quickstart.

Adding sources.

RAG chain with sources.

Additional techniques to extract citations

Link to the documentation page.