



The Elden Bot

an Elden Ring AI assistant

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Hook &
Overview

02

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07

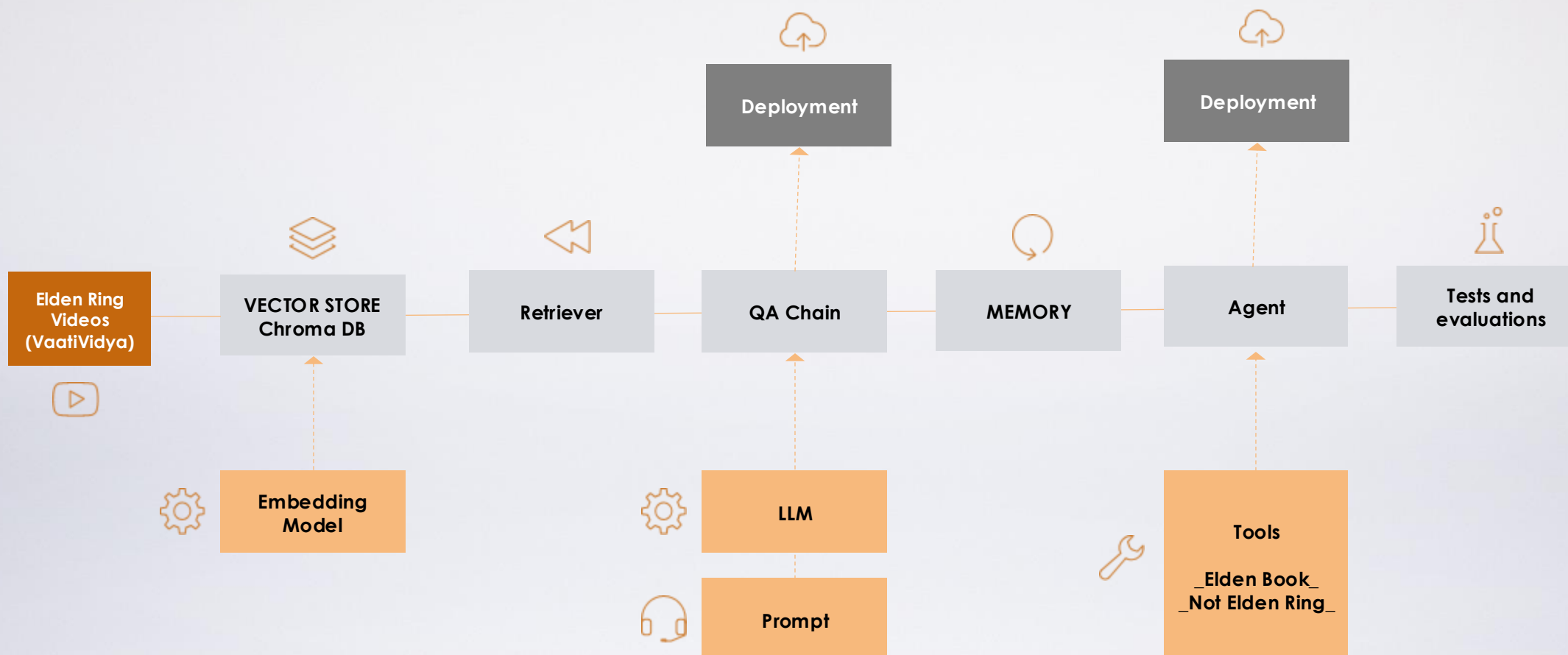
Conclusion,
Next steps &
Demo

Imagine a companion that not only helps you unravel the secrets of Elden Ring but also guides you through its hidden lore, mysterious lands, and deep character backstories. Introducing our Elden Ring Lore Chatbot.

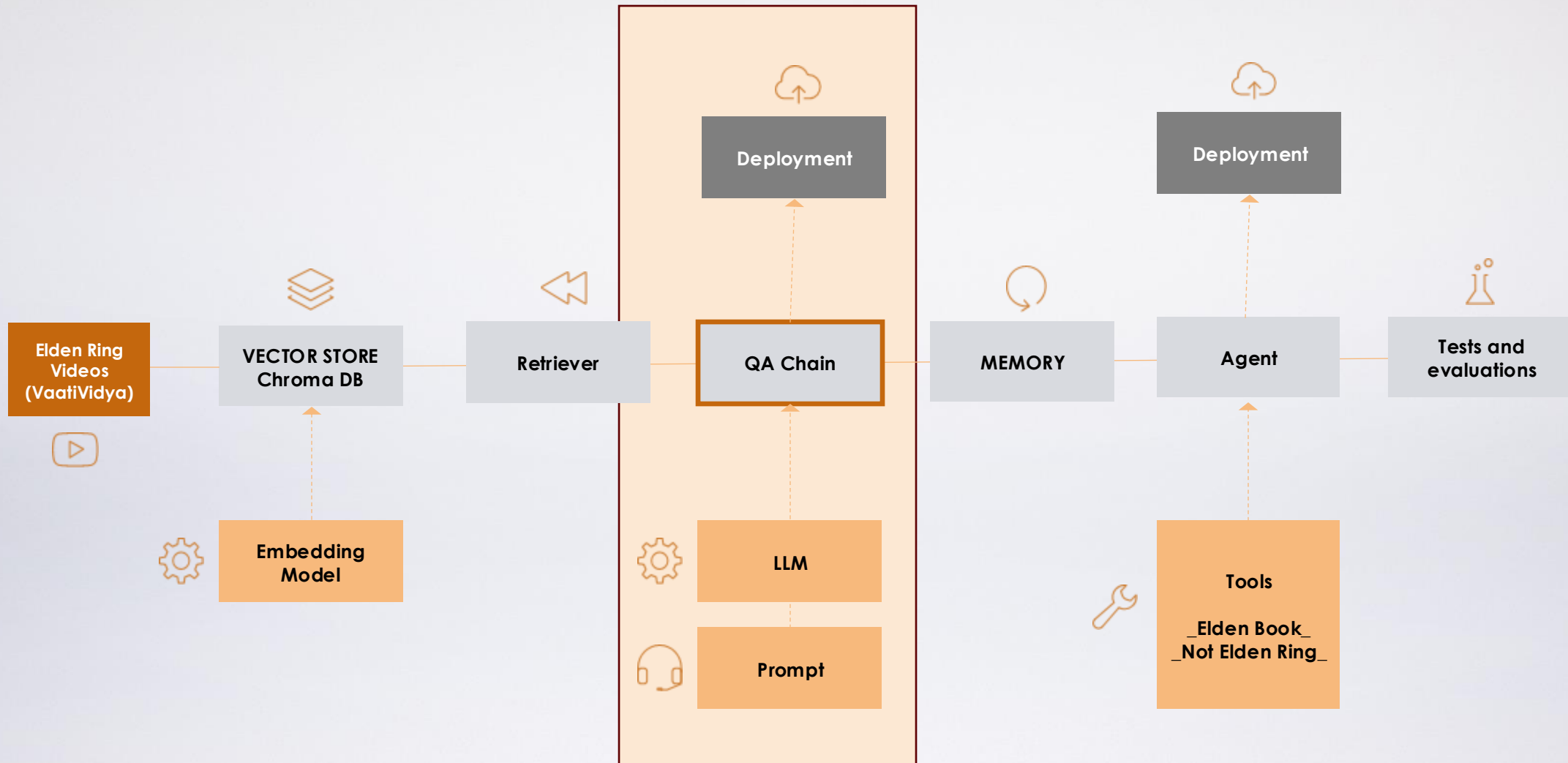
- Over **20 M** players worldwide
- **GOTY** of 2022
- The gaming industry made USD **217.06 billion** in 2022
- Enhances Player **Engagement**
- Addresses a **Niche Market** Demand
- Capitalizes on the Expanding Market for **Gaming Companions**



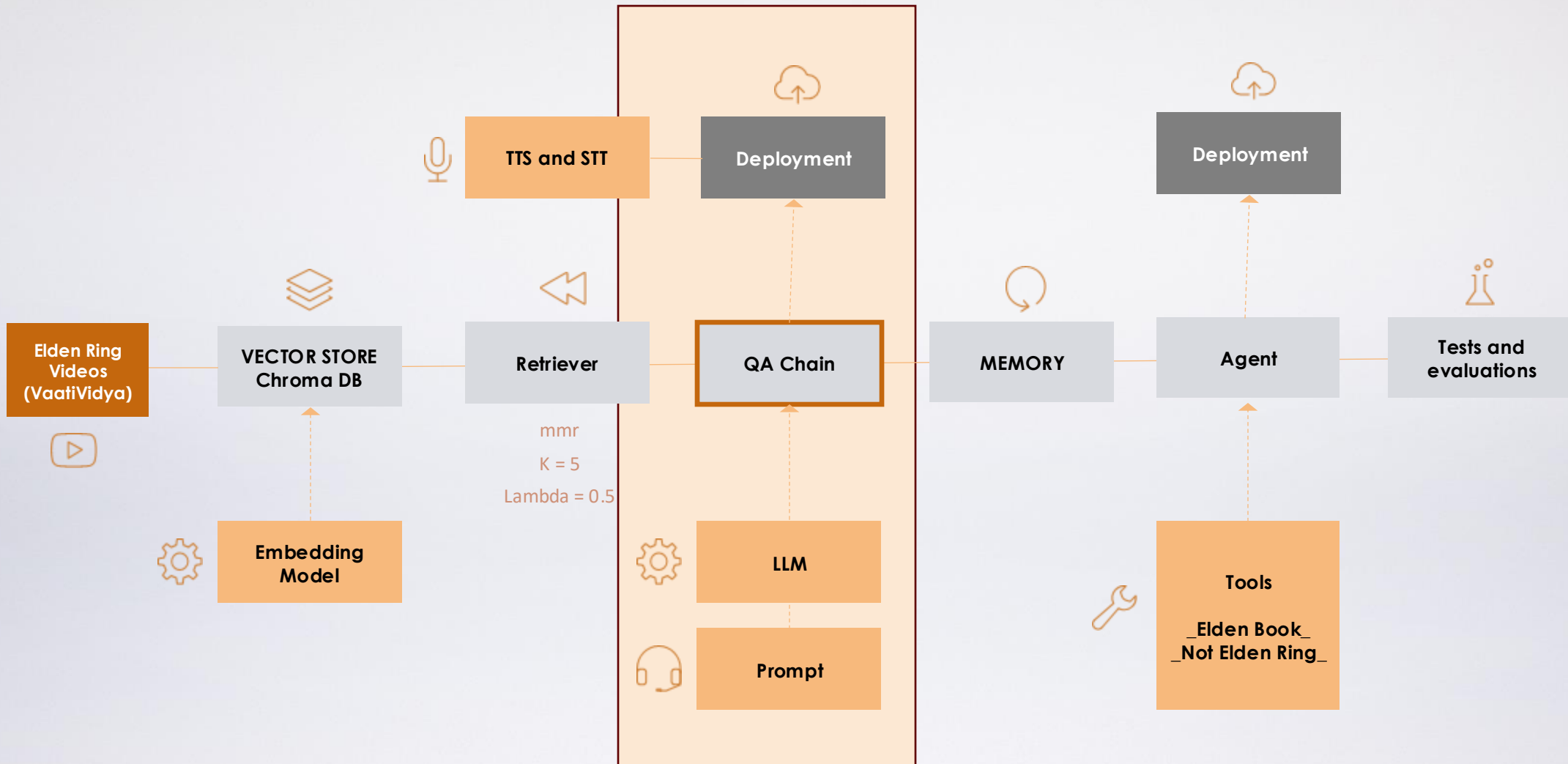
Architecture of the Elden Bot



Architecture of the Elden Bot



Architecture of the Elden Bot



03 DATASET

The dataset was “stolen” from VaatiVidya YouTube channel which has over 3.4 million subscribers, retrieving 14 videos of the lore of Elden Ring and 2 more videos with the basic gameplay mechanics.

- **101,975** words or about **408** pages if it was a book.
- Libraries: ydlp / pydub / langchain (textsplitter)
- Transcriptions: Whisper / .json
- Preprocessing: manual tuning.
- Embeddings: **all-MiniLM-L6-v2**
- Vector Store: Chroma DB



YT Download
(Audio)

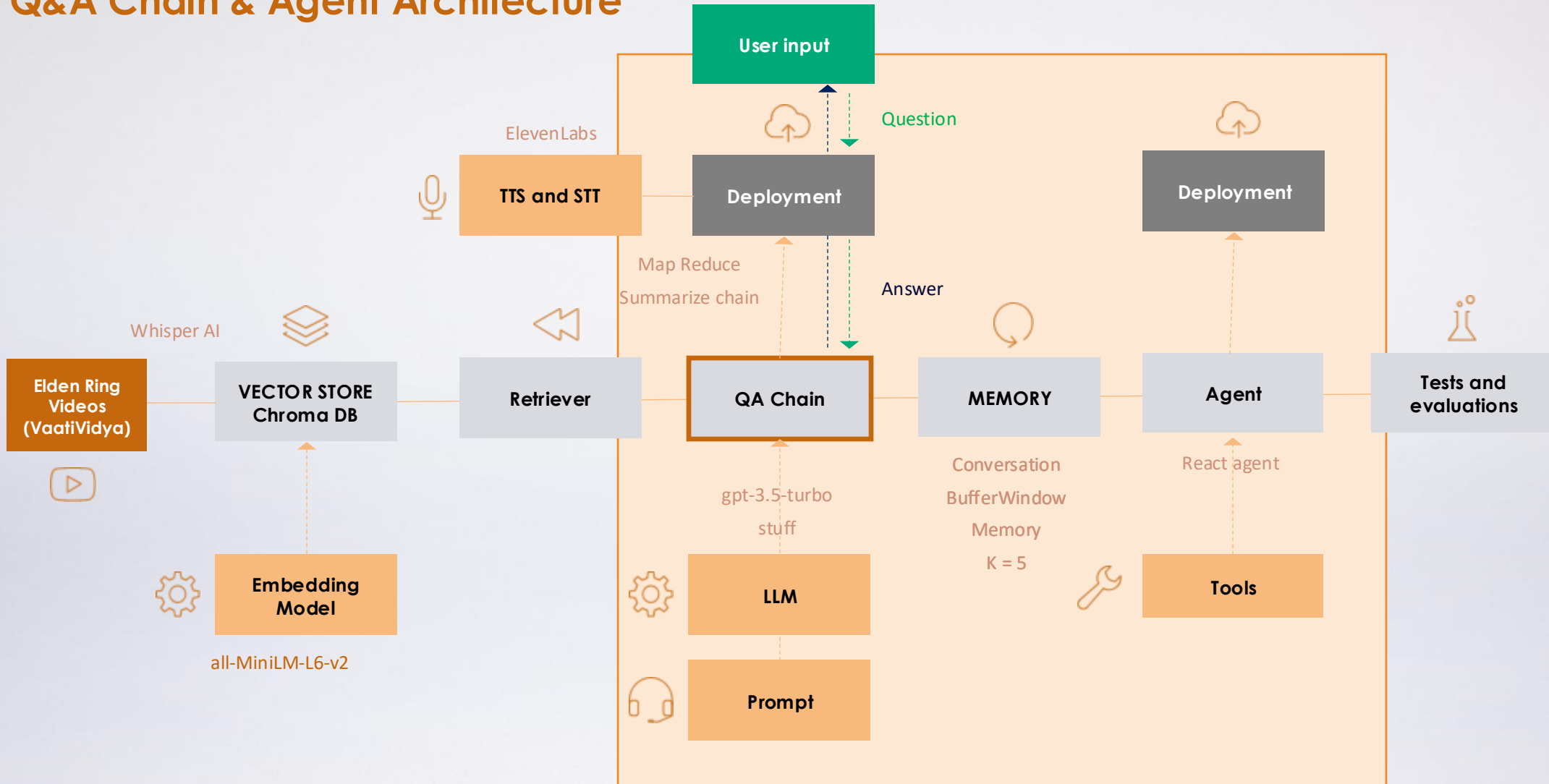
Transcriptions

Preprocessing

Embeddings

Vector DB

Q&A Chain & Agent Architecture



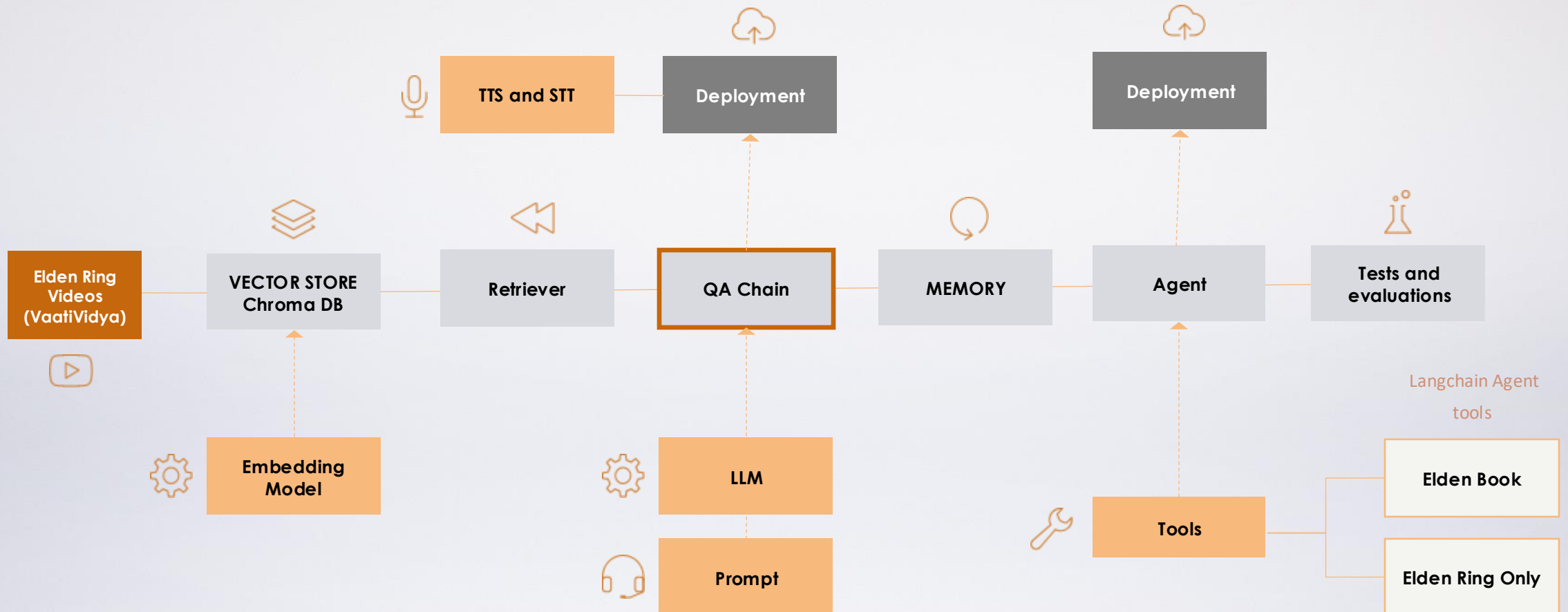
For the agent two tools were builded that worked together with the prompt over the qa_chain

- **Elden Book:** Which tried to expand the knowledge of the bot using external resources to complete the knowledge of the Elden Bot for questions out of the vector DB such as game mechanics.
- **Elden Ring Only:** This tool was designed to prevent the bot answering not Elden Ring related questions and to improve interactions with the user such as greetings or recognizing the user.



05 TOOLS USED

Tools Used



Evaluation methods

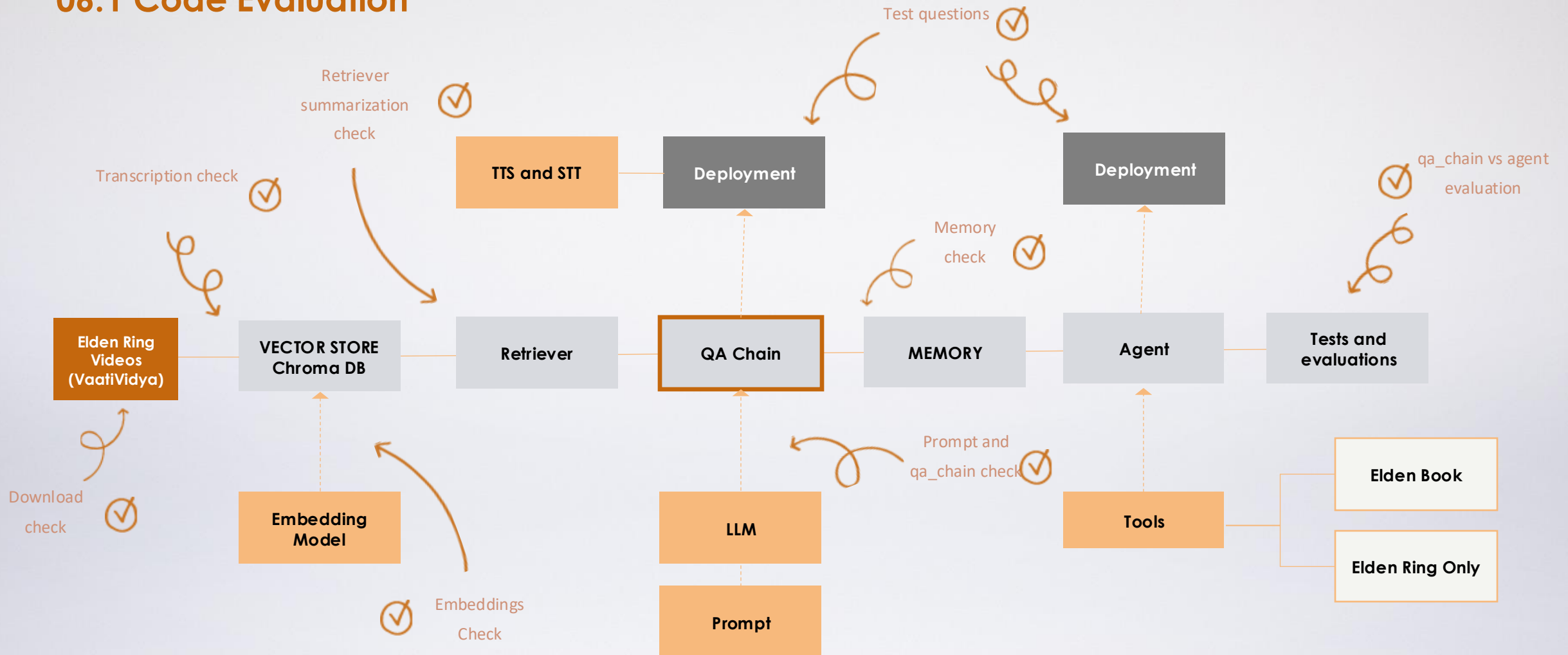
**Code
Evaluation**

**“Gradio”
Evaluation**

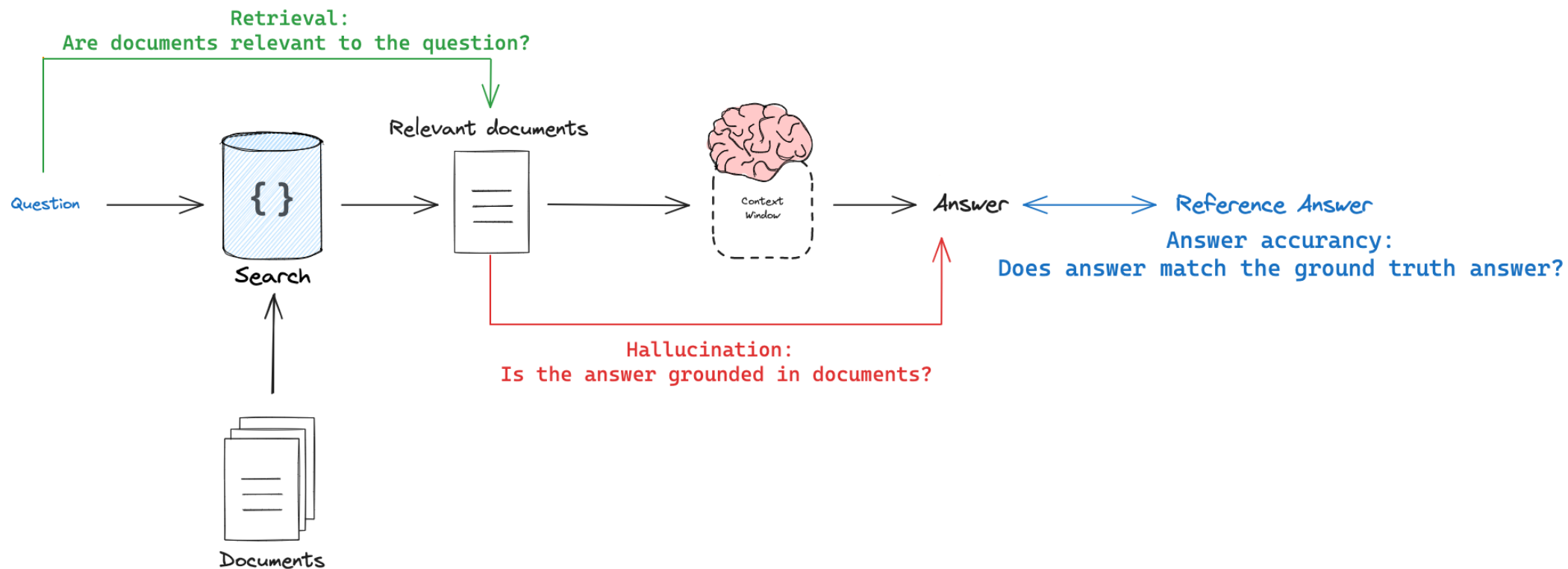


**Langsmith
Evaluation**

06.1 Code Evaluation

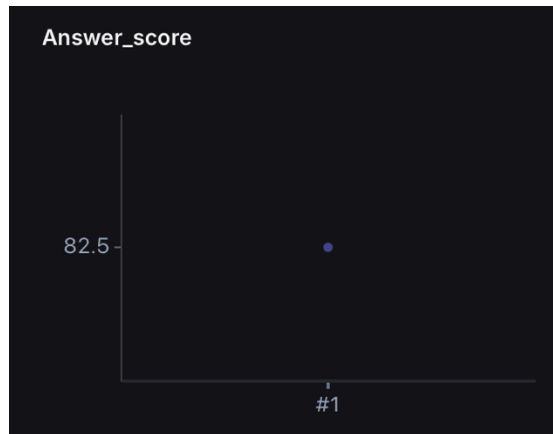


06.2 Langsmith RAG evaluation



06.2 Langsmith RAG evaluation

1.- Answer Accuracy



82.5 / 100

langchain-ai/rag-answer-vs-reference

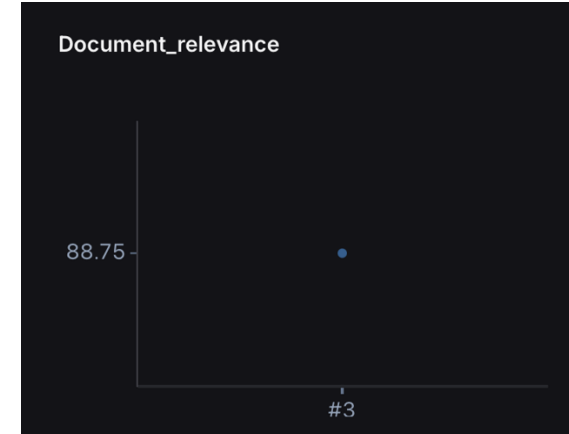
2.- Hallucinations



4.75 / 5

langchain-ai/rag-answer-hallucination

3.- Document Relevance



88.75 / 100

langchain-ai/rag-document-relevance

Prompts:

Conclusions

- Not always more complicated things work better, think of **functionality** and if the product covers that functionality.
- **Prompt tuning** as a great tool to make build your bot's functionality and character.
- Read the **documentation** before implementing anything.
- Implement **tracking and logging** from the beginning so you can fix the code on the go.
- Count your **tokens**!
- Use **virtual environments** for these kind of projects

Next Steps

- Increasing the **data** and improve its structure.
- Fixing the **memory** issues.
- Once everything works 100% make a **permanent deployment**.



URL:

- <https://61f0ceedf25a5cbe46.gradio.live>

Questions

TEXT QUESTIONS:

- Hello Elden Bot!
- Can you give me some tips on how to start playing Elden Ring?
- What are the Crucible Knights?
- What are the main plot points of The Lord of the Rings?

TEXT TO AUDIO:

- What is the Elden Beast?

SPEECH TO TEXT:

- Who is Queen Marika?
- What is an iphone?



THANK YOU!