

Introduction to Retrieval-Augmented Generation (RAG)

Enhancing AI with External Knowledge

Marios Constantinou

www.cyi.ac.cy

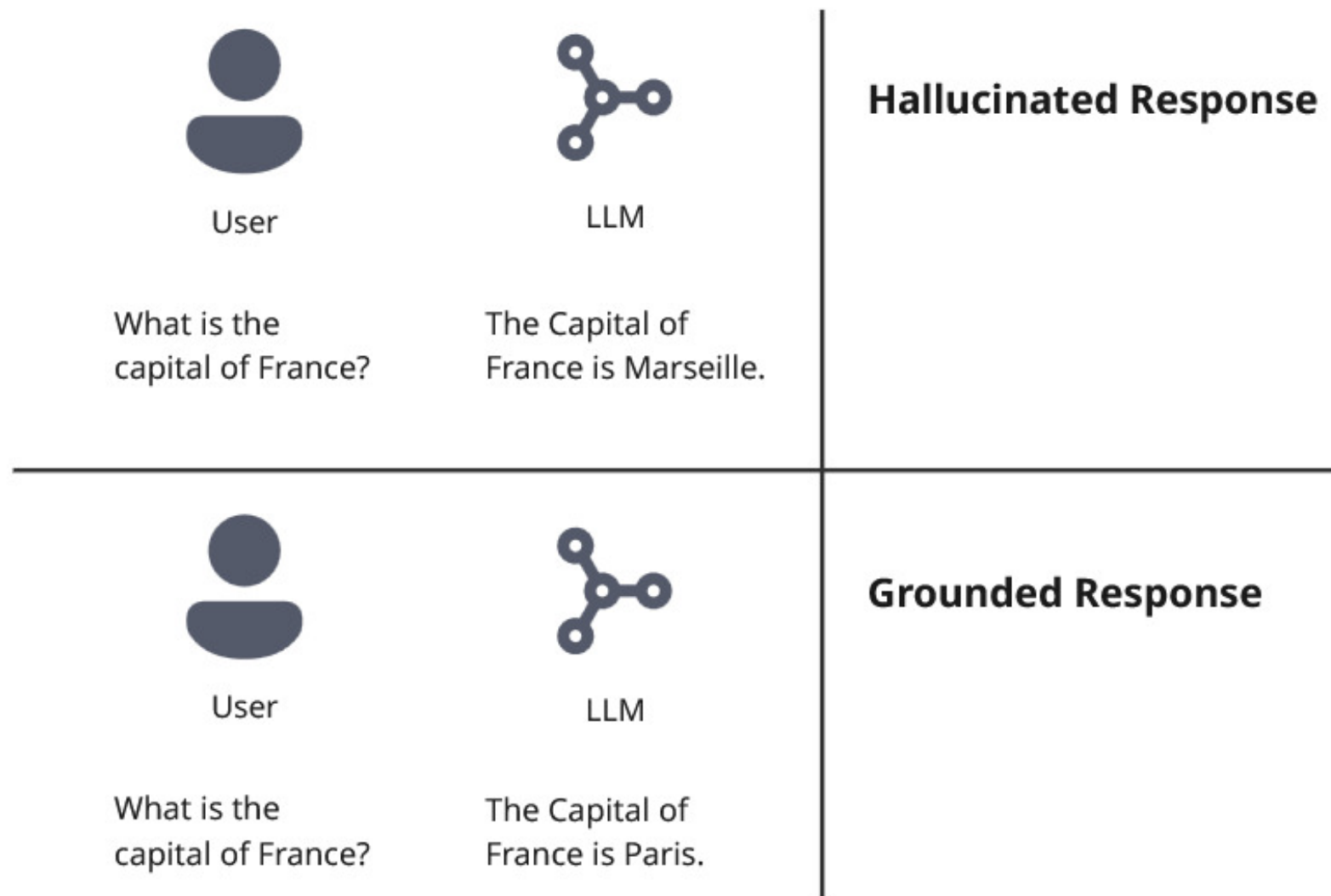
What is Retrieval- Augmented Generation?



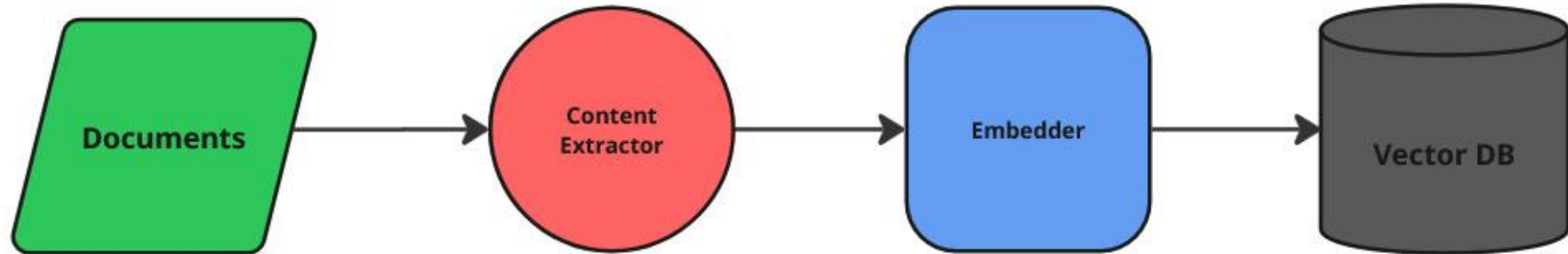
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Why use RAG?



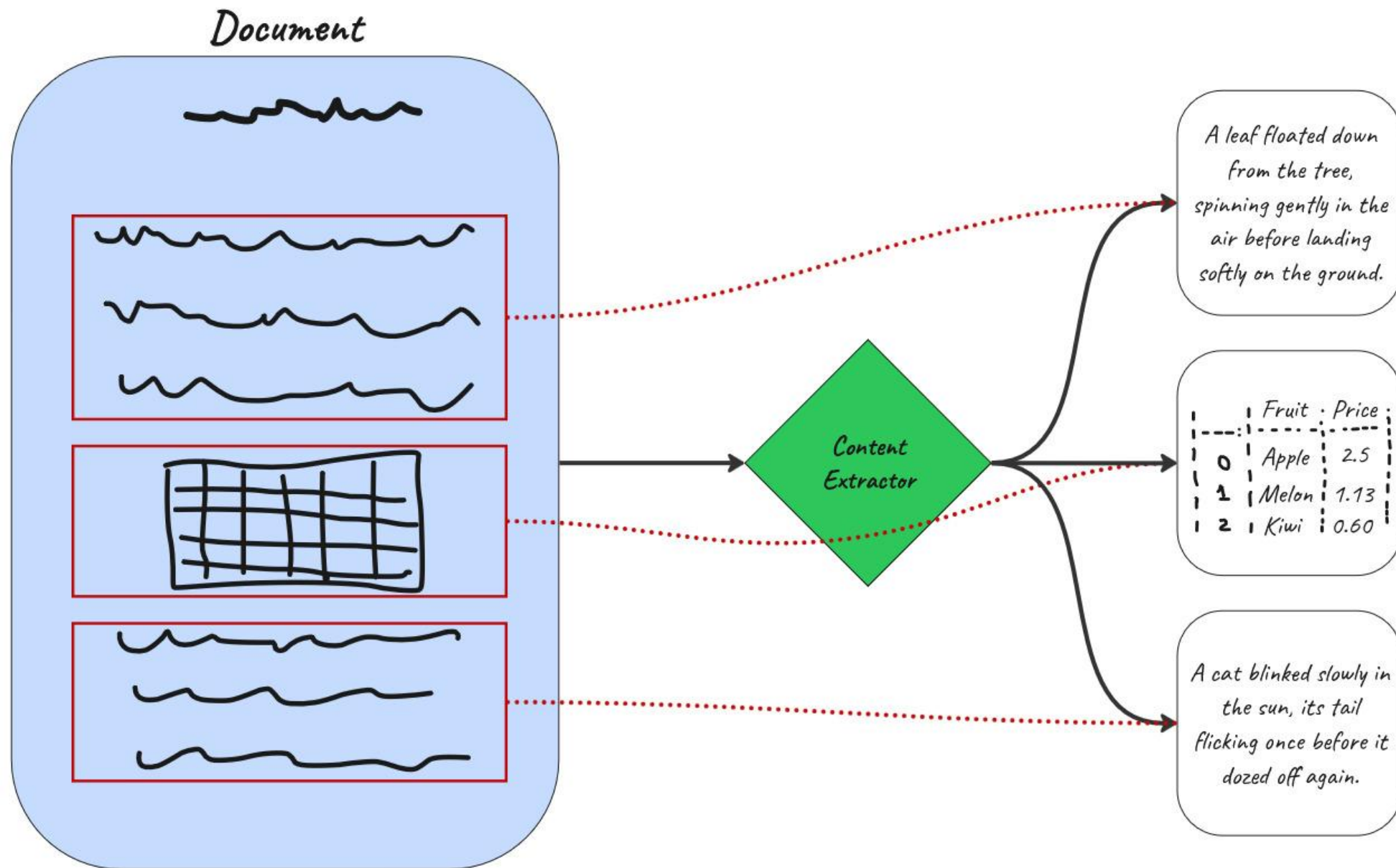
Indexing Pipeline



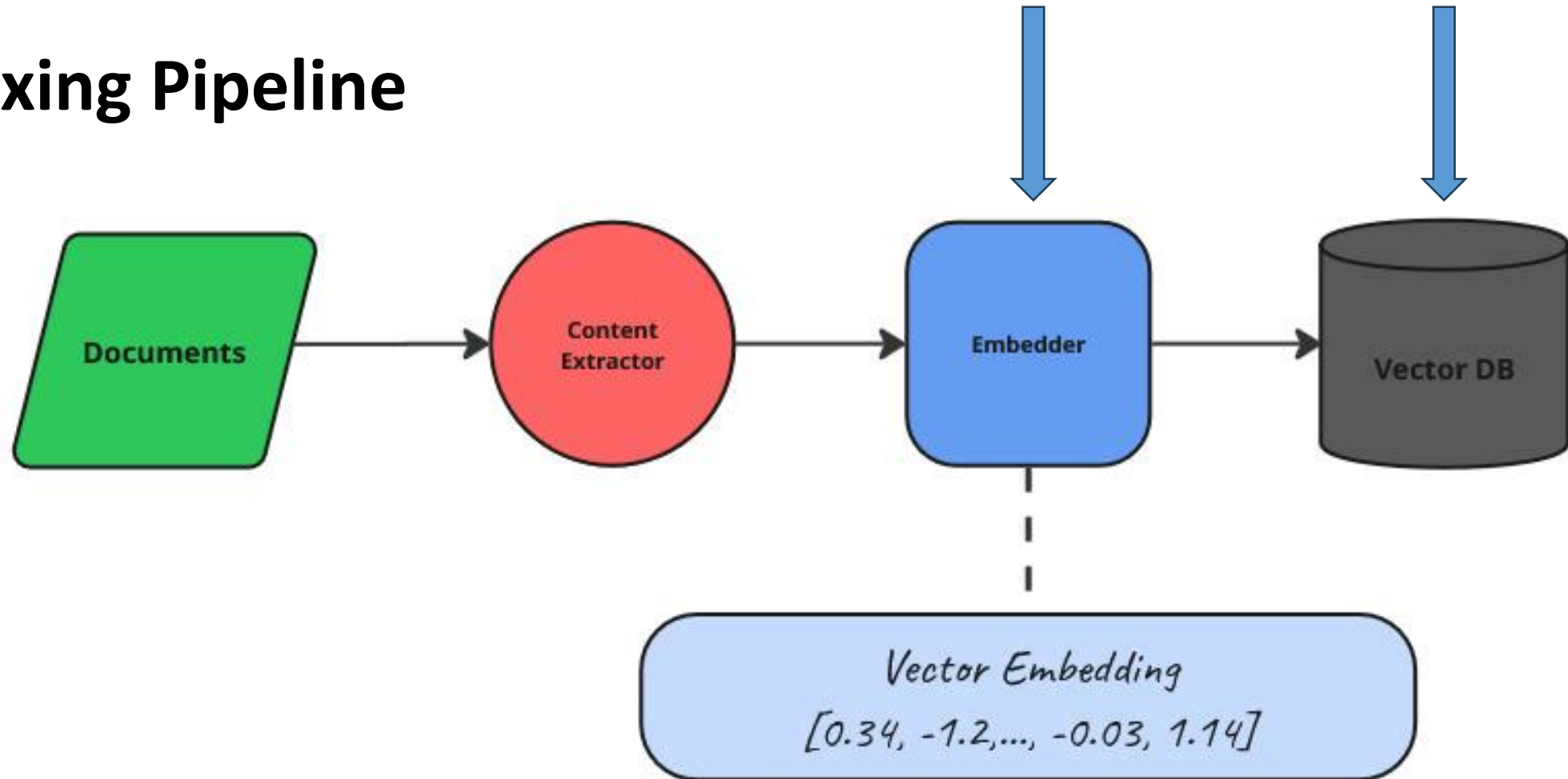
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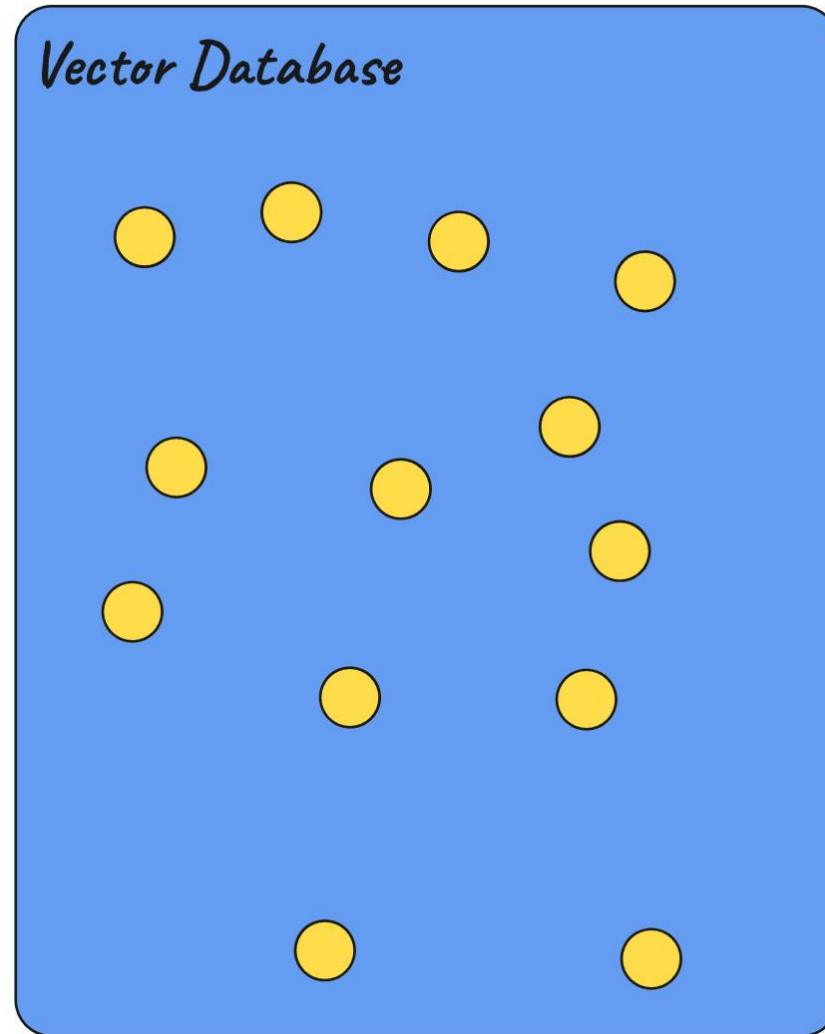
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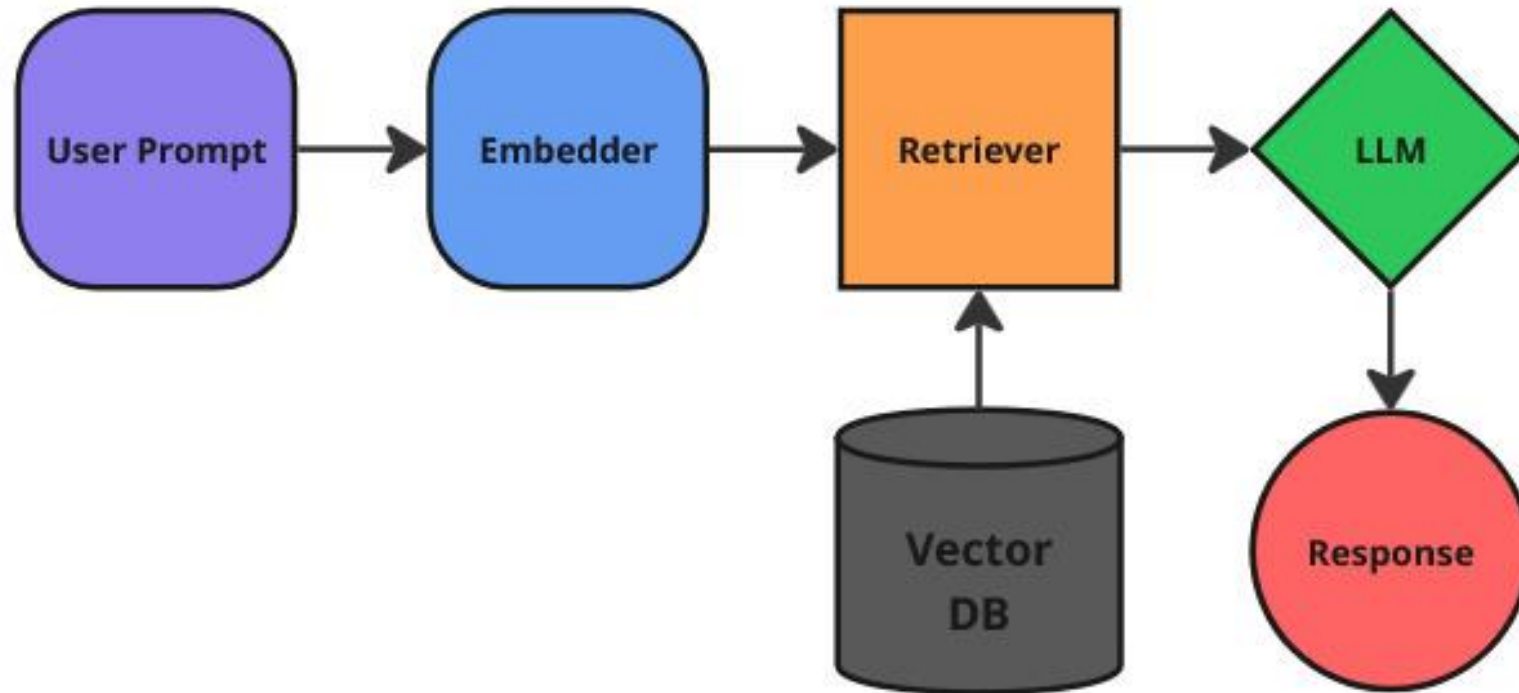
Content Extraction



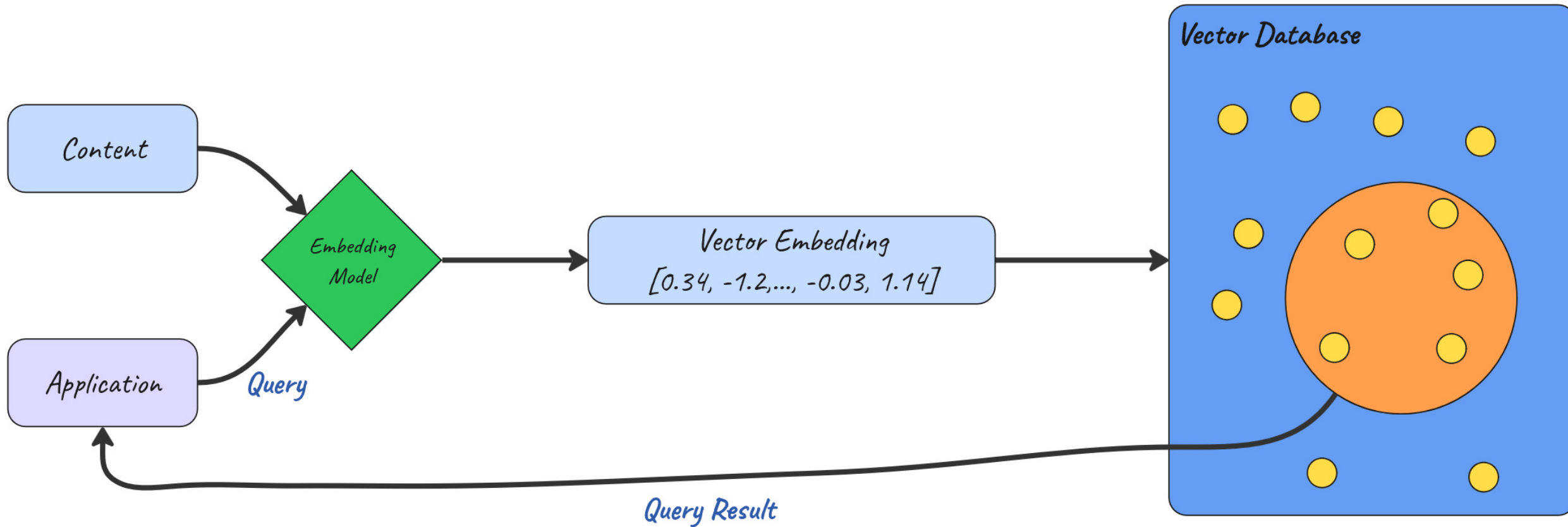
Indexing Pipeline







Embedding Retriever

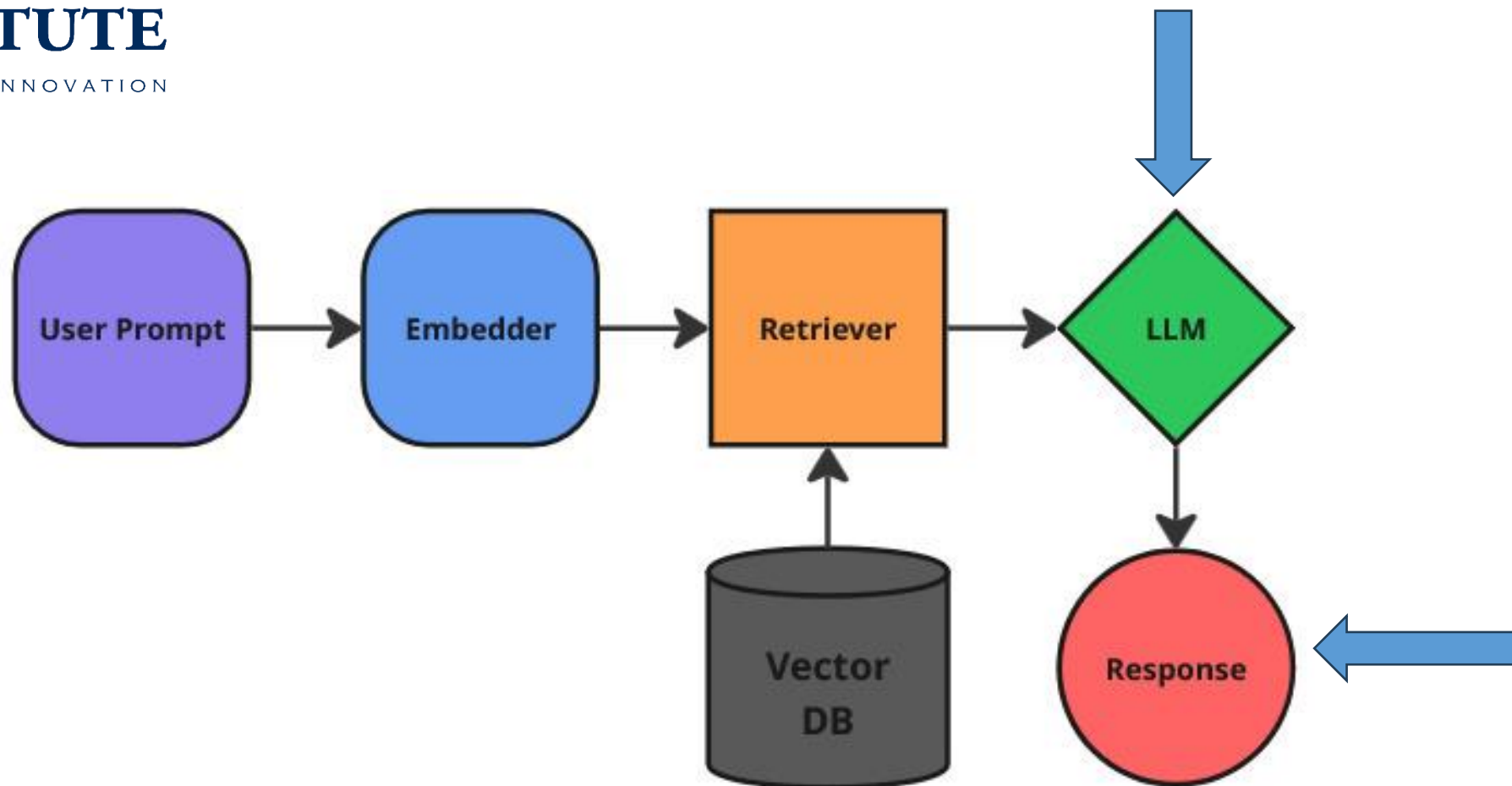




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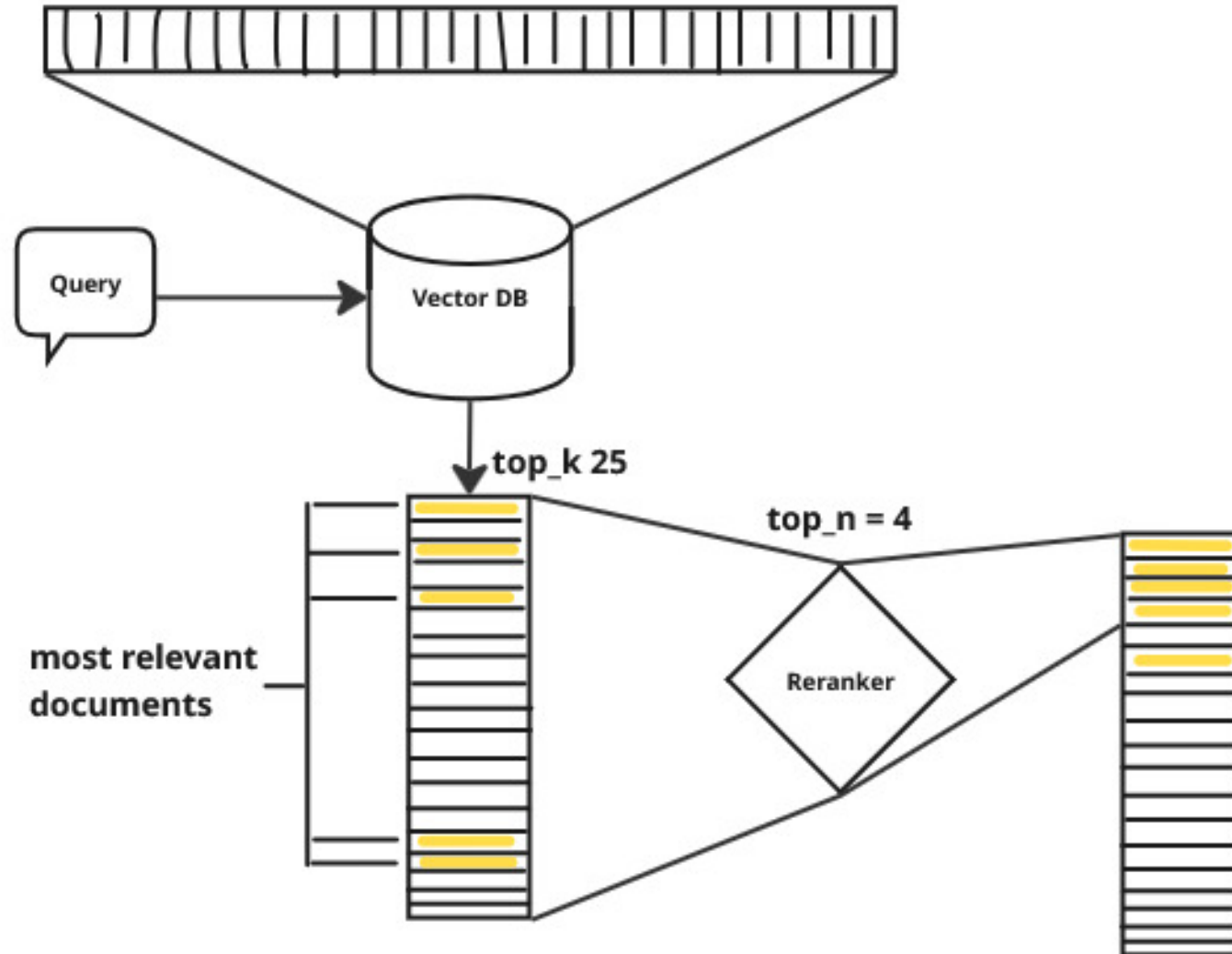
RAG Pipeline

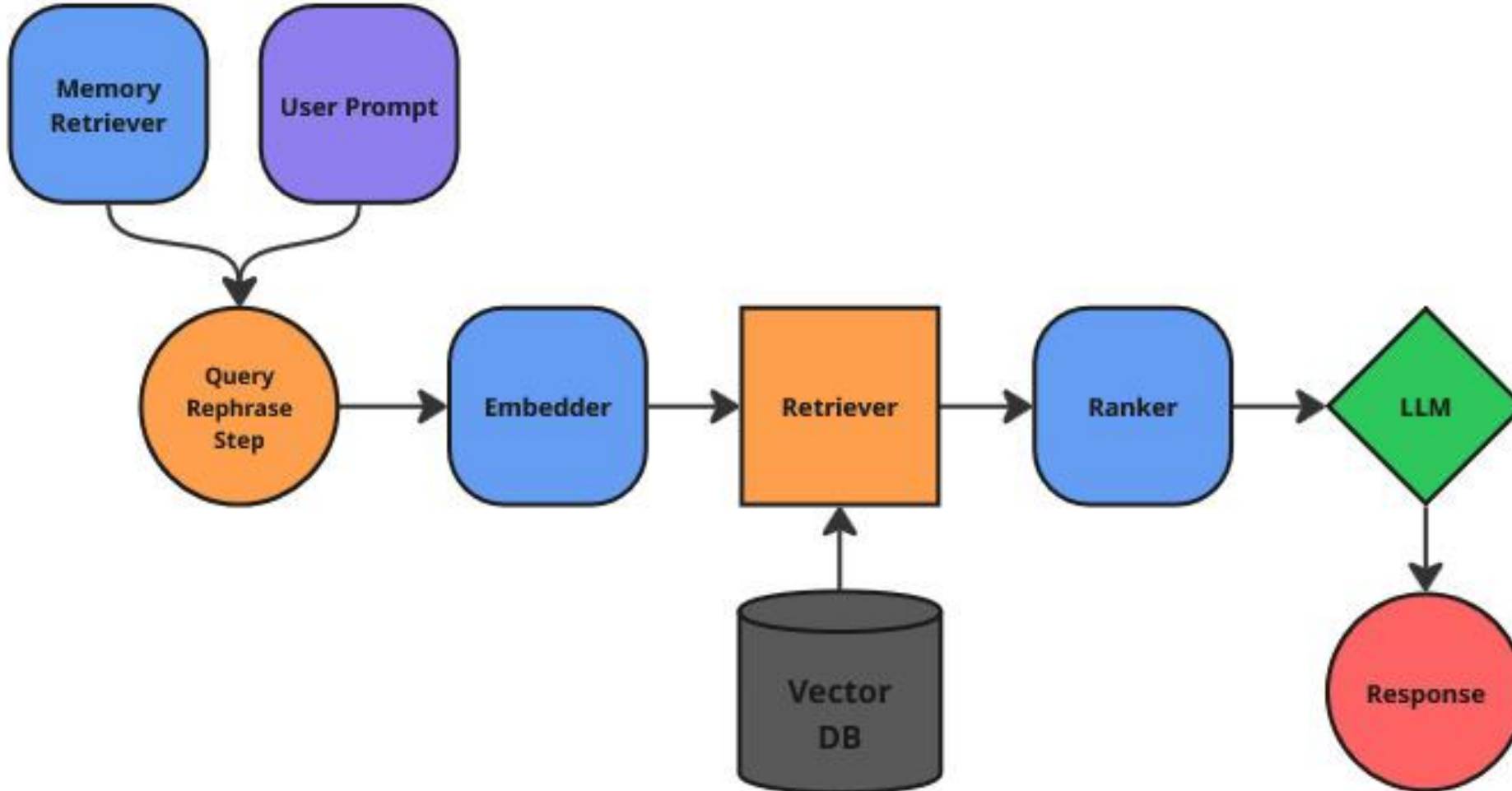


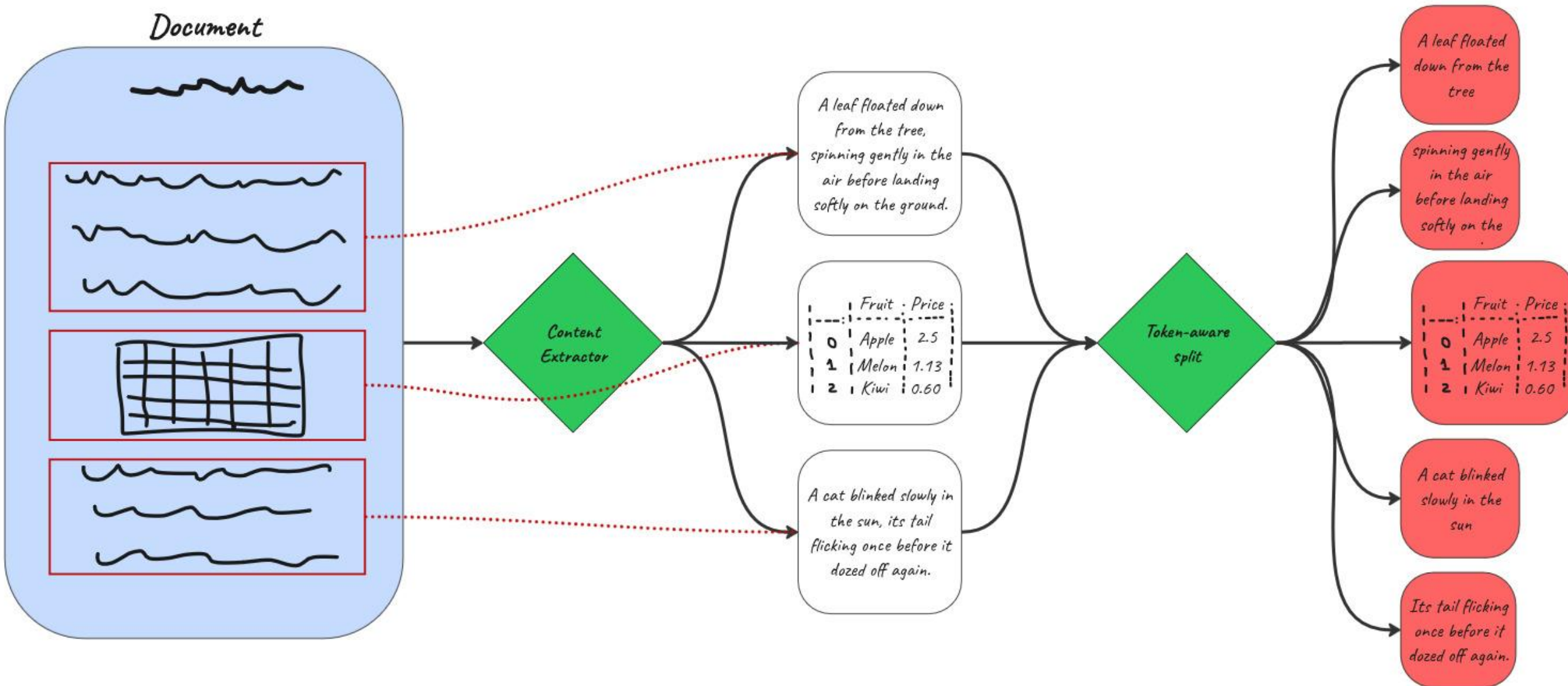
Tricks to boost RAG performance

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<https://tinyurl.com/bd53yjvy>

<https://github.com/CaSToRC-CyI/AI-Agents-Training>

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