

Document Query RAG Pipeline

Process Walkthrough

- 1A. User uploads documents into database for storage
- 1B. User selects documents to reference and submits query (AI-query enhancement optional)
- 2A. Scan document(s) for the **underlying meaning and concepts** behind the query
- 2B. Scan document(s) for **exact keyword matches and specific terms** found in the query
- 3. Extracted results are ranked for query relevancy into one combined list (Results on both lists rank higher)
- 4. Cross-Encoder assigns confidence scores to chunks on combined list for relevancy
 - IF no confidence scores reach the relevance threshold:
 - 6B. No Confidence to Answer
 - ELSE
- 5. Extractor reviews high scoring results for key quotes to reduce "noise"
- 6A. Program sends: User Query, Best Excerpts, and Prompt Instructions into LLM for response generation

