RAG Chatbot Project – Database Schema + ERD This document contains the full database schema and an ERD diagram for your LangGraph + LangChain + FastAPI + RAG system using MySQL.

Database Tables (Summary)

1. users

2. threads

3. messages

4. documents

5. document_chunks

6. embeddings_metadata

7. ingestion_jobs

8. query_provenance

9. auth_tokens (optional)

Relationships:

- users 1—∞ threads

- threads 1—∞ messages

- users 1—∞ documents

- documents 1—∞ chunks

- chunks 1—1 embeddings

- messages 1—∞ provenance