

1. System Architecture Diagram

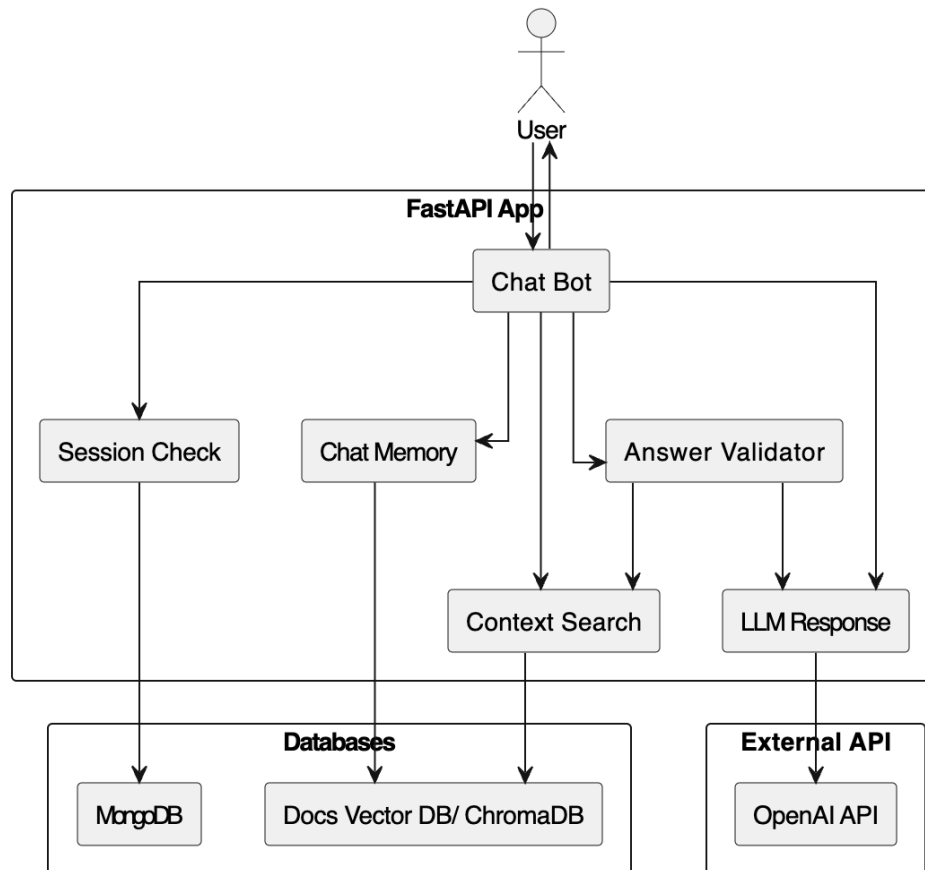


Figure 1.1: Overall Architecture Model

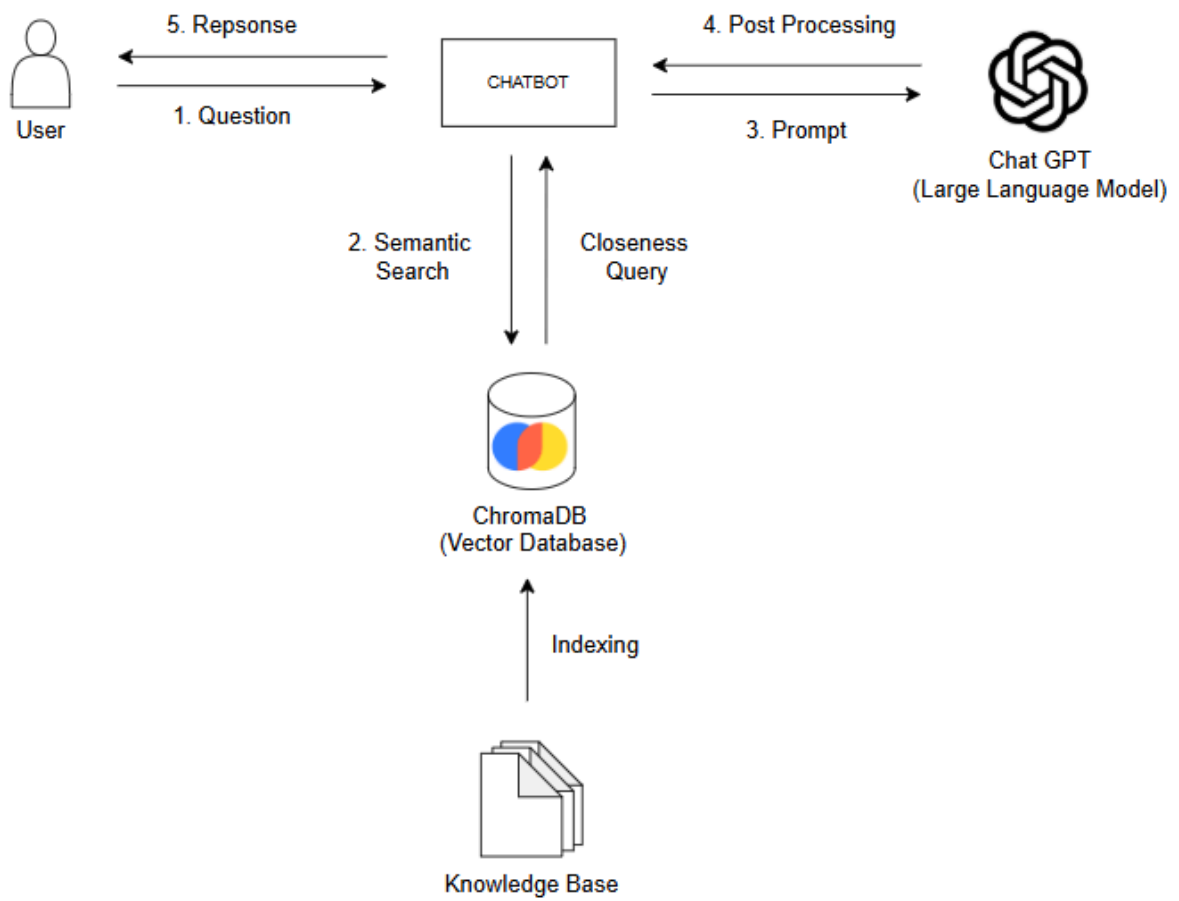


Figure 1.2: Retrieval-Augmented Generation (RAG) Architecture Model

2. System Interaction Diagram

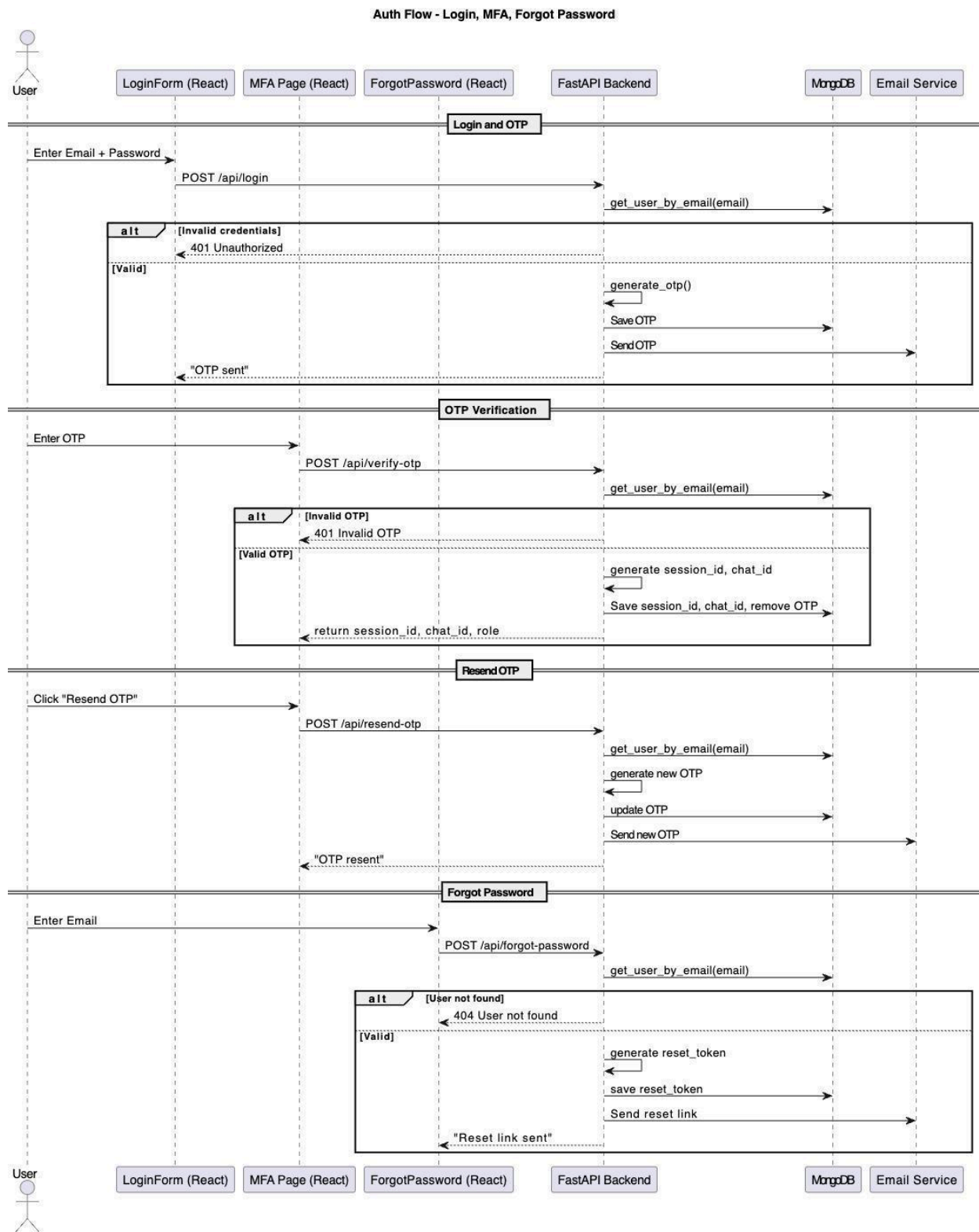


Figure 2.1: Login system interaction diagram

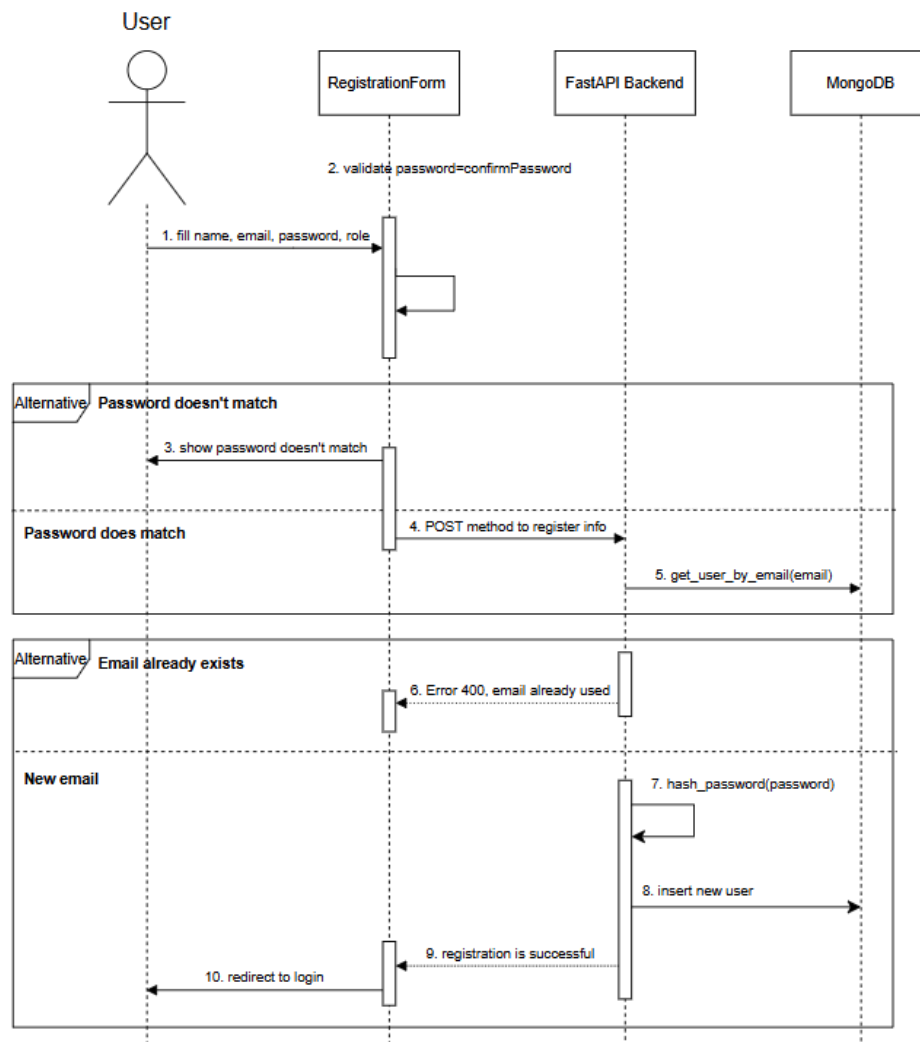


Figure 2.2: Registration system interaction diagram

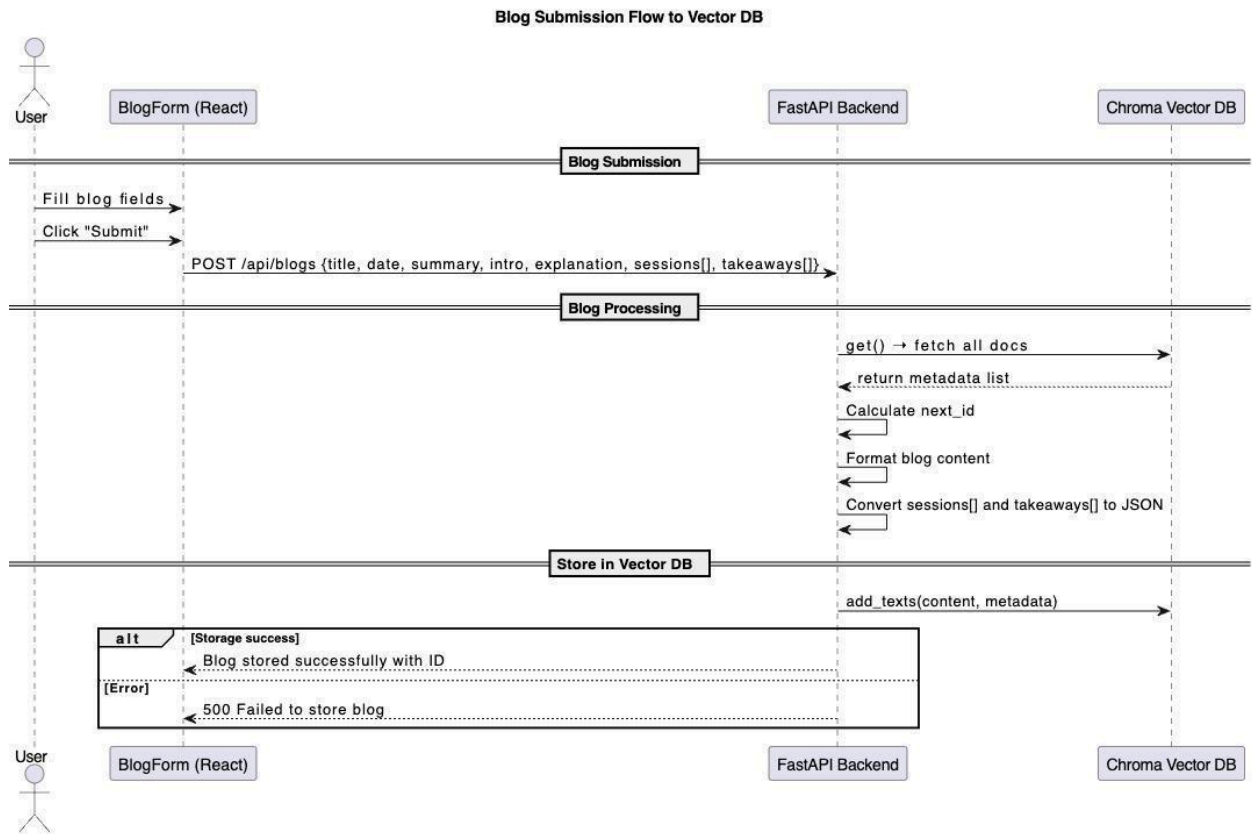


Figure 2.3: Create a new blog post system interaction diagram

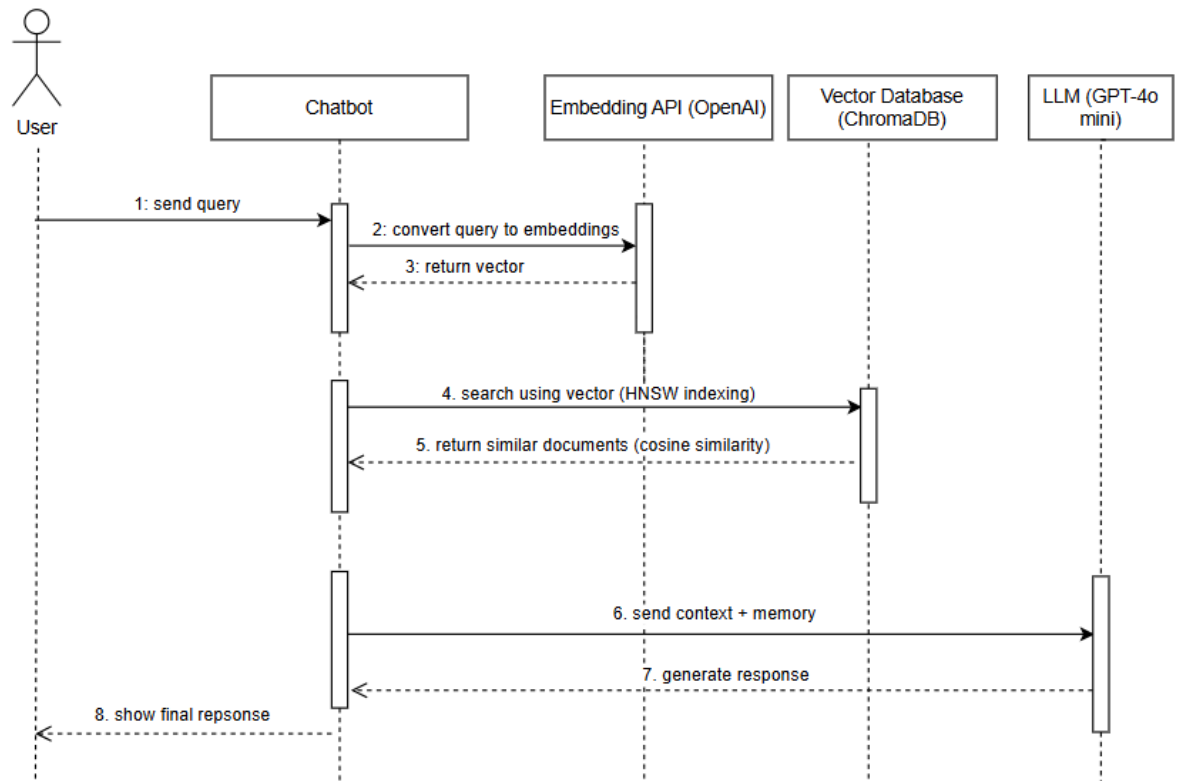


Figure 2.4: Query with chatbot system interaction diagram