Frontend

AUTHENTICATION MODULE

STATE MANAGEMENT

Update State

Update UI

User Action

NETWORKING LAYER

REACT NATIVE APP

Interaction

USER

API Request (HTTP)

API Response (HTTP)

Backend

AUTHENTICATION SERVER

LANGCHAIN PROCESSOR

Retrieve Docs

Generate Response

Store Results

RETRIVEAL ENGINE

LLM

STORAGE

1. The Authentication Module interacts with the Authentication Server to verify user credentials and manage sessions.
2. Users interact with the React Native app, triggering actions like querying the RAG system.
3. The Frontend (Networking Layer) sends requests to the Backend via HTTP.
4. Data Processing:
   - The LangChain Processor first interacts with the Retrieval Engine to fetch relevant documents from the Document Store.
   - A new prompt will be created with the fetched documents and passed to the LLM.
   - (The response and possibly the retrieved documents are stored in Storage as needed.)
5. (Processed data and model outputs are stored in the Storage.)
6. Generated responses are sent back to the frontend via HTTP.