

# QGenAI Test Document

This is a sample document for testing the QGenAI application.

## Section 1: Introduction

QGenAI is a document-based question answering system using Retrieval Augmented Generation (RAG).

It allows users to upload documents and ask questions about them.

The system uses a vector database to store document embeddings and retrieves relevant chunks when a query is received.

## Section 2: Features

- Document upload and processing
- Document chunking and embedding
- Vector-based retrieval
- Question answering with source citations
- User authentication and query history

## Section 3: Technical Details

The backend is built with FastAPI and follows a modular architecture:

- API Layer: Handles HTTP requests and responses
- Core: Contains configuration and security utilities
- Database: Models and session management
- RAG: Implements the Retrieval Augmented Generation pipeline
- Schemas: Pydantic models for data validation

## Section 4: LLM Configuration

The backend supports multiple LLM providers:

- OpenAI (GPT models)
- Google Gemini
- Ollama (local models)

## Section 5: Test Questions

Here are some sample questions you can ask about this document:

1. What is QGenAI?
2. What features does QGenAI offer?
3. What LLM providers are supported?
4. How is the backend structured?
5. What is RAG?

End of document.