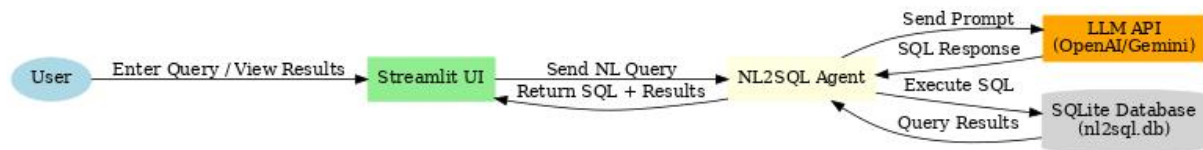# NL2SQL Solution Architecture

Overview:
This document describes the architecture of the NL2SQL solution.

Components:
1. Streamlit UI - Frontend for NL queries and results
2. NL2SQL Agent - builds prompts, calls LLM, sanitizes SQL
3. LLM Providers - OpenAI / Google Gemini
4. SQLite DB - stores schema and sample data
5. Test Harness - runs XLS-based tests and creates reports