Acceptance Testing
UAT Execution & Report Submission

Date	22 February 2026
Team ID	LTVIP2026TMIDS66135
Project Name	IntelliSQL: Intelligent SQL Querying with LLMs Using Gemini Pro
Maximum Marks	4 Marks

1. Purpose of Document

The purpose of this document is to explain the test coverage and open issues for the **IntelliSQL** project as it moves into User Acceptance Testing (UAT). This ensures that the system meets the "Intelligent Query Assistance" requirements and is stable for non-technical users to interact with the database using natural language.

2. Defect Analysis

This report tracks the status of identified bugs across the development lifecycle, highlighting the successful resolution of high-priority logic flaws that previously inhibited SQL execution.

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	0	0	1	0	1
Duplicate	0	0	0	0	0
External	2	1	0	1	4
Fixed	2	1	0	0	3
Not Reproduced	0	0	1	0	1
Skipped	0	0	0	0	0
Won't Fix	0	0	0	0	0
Totals	4	2	2	1	9

3. Test Case Analysis

This report tracks the status of test cases across the specialized modules of your Text-to-SQL architecture, from the core AI generation engine to the final data reporting layers.

Section	Total Cases	Not Tested	Fail	Pass
AI Processing Engine (Query Logic)	7	0	0	7
Client Application (Streamlit UI)	51	0	0	51
Security (API Masking & .env)	2	0	0	2

Database Integration (SQLite)	3	0	0	3
Exception Reporting (Error Handling)	9	0	0	9
Final Report Output (Table Rendering)	4	0	0	4
Version Control (Git / Metadata)	2	0	0	2
Totals	78	0	0	78