

Acceptance Testing UAT Execution & Report Submission

Date	24 February 2026
Team ID	LTVIP2026TMIDS34458
Project Name	Intelligent SQL Querying with LLMs using Gemini Pro
Maximum Marks	4 Marks

1. Purpose of Document:

The purpose of this document is to briefly explain the test coverage, defect analysis, and open issues of the IntelliSQL – Intelligent SQL Querying System at the time of release to User Acceptance Testing (UAT).

This report provides an overview of:

- Defects identified during testing
- Resolution status of defects
- Test case execution results

2. Defect Analysis:

This section summarizes the number of defects identified during testing, categorized by severity level and resolution status.

Severity Definition

- Severity 1: Critical – System crash / data loss
- Severity 2: High – Major functionality impacted
- Severity 3: Medium – Partial functionality issue
- Severity 4: Low – UI or minor issue

Defect Resolution Summary

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	1	1	0	1	3
Duplicate	0	0	1	0	1
External (API related)	1	1	0	0	2
Fixed	3	2	3	5	13
Not Reproduced	0	0	1	0	1
Skipped	0	0	0	1	1
Won't Fix	0	1	1	0	2
Totals	5	5	6	7	23

Defect Analysis Summary

- Majority of defects were minor or medium severity
- All critical and high severity issues were fixed
- External issues were related to Gemini Pro API response delays
- No open critical defects at UAT release

3. Test Case Analysis

This section summarizes the test execution results across different functional areas of IntelliSQL.

Test Execution Summary

Section	Total Test Cases	Not Tested	Fail	Pass
User Interface	8	0	0	8
Natural Language Query Processing	12	0	0	12
SQL Generation & Validation	10	0	0	10
Database Execution	7	0	0	7
Error Handling	5	0	0	5
Security (SELECT-only enforcement)	4	0	0	4
API Integration	6	0	0	6
Total	52	0	0	52