

## User Acceptance Testing (UAT) Template

Date	19-02-2026
Team ID	LTVIP2026TMIDS76399
Project Name	Intelli SQL: Intelligent SQL Querying with LLMs Using Gemini Pro
Maximum Marks	4marks

### Project Overview:

**Project Name:** Intelli SQL

**Project Description:** Intelli SQL is an AI-powered system that converts natural language queries into SQL statements using Gemini Pro LLM and executes them on a structured database to retrieve results.

**Project Version:** 1.0

**Testing Period:** 15 Jan 2026 to 19 Jan 2026

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
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TC-001	Natural Language Query	1. Enter valid query 2. Click Submit	Query accepted and	Query processed successfully	pass
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**Testing Scope:**

- Natural Language Query Input
- SQL Generation using Gemini Pro
- SQL Validation
- SQL Execution on Database
- Result Display in Tabular Format
- API Connectivity

**Testing Environment:**

**URL/Location:** Localhost (Streamlit/Flask Application)  
**Database:** MySQL / SQLite (Local)  
**External API:** Gemini Pro API (Google AI)  
**Credentials:** API Key configured via environment variable

**Test Cases:**

	Input		processed		
TC-002	SQL Generation	1. Enter "Show students with marks > 80" 2. Submit	Correct SQL query generated	SQL generated correctly	Pass

**Bug Tracking:**

Bug ID	Bug Description	Steps to reproduce	Severity	Status	Additional feedback
BG-001	Incorrect SQL generated for complex query (edge case)	1. Enter complex nested query 2. Submit	Medium	Closed	Prompt refined to improve accuracy
...	...	...	...	...	...

**Sign-off:**

Tester Name: kapil

Date: 19 January 2026

Signature: kapil

**Notes:**

- Ensure that all test cases cover both positive and negative scenarios.
- Encourage testers to provide detailed feedback, including any suggestions for improvement.
- Bug tracking should include details such as severity, status, and steps to reproduce.
- Obtain sign-off from both the project manager and product owner before proceeding with deployment.