User Acceptance Testing (UAT) Template

Date	19-02-2026
Team ID	LTVIP2026TMIDS60653
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

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:

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

	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: Deepthi Seelam

Date: 19 January 2026

Signature: Deepthi

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.