

**ProjectDesignPhase**  
**Problem–SolutionFit Template**

Date	08February2026
Team ID	LTVIP2026TMIDS66060
ProjectName	Intelligent SQL Querying with LLMs Using Gemini Pro
MaximumMarks	2 Marks

**Problem–SolutionFitTemplate:**

**ProblemIdentified:**

Manyusersssuchasstudents,analysts,andnon-technicalprofessionalsstruggletoretrievedatafrom databasesbecauseSQLquerywritingiscomplex.Writingqueriesrequiresknowledgeofsyntax,joins, aggregations, and optimization. This leads to dependency on technical experts and delays decision-making.

**CustomerBehaviorObserved:**

UserspreferaskingquestionsinnaturallanguageinsteadofwritingSQL.Theyfrequentlysearch online or depend on developers for query help.

**SolutionFit:**

The Intelli SQL system converts natural language questions intooptimized SQL queries using Gemini Pro.Thisdirectlymatchesuserbehaviorandreducestechanicalbarriers.Thesolutionalignswithuser expectations of conversational interaction and fast data retrieval.

**Template:**

WHO IS YOUR CUSTOMER?	EXPLORE LIMITATIONS TO BUY / USE YOUR PRODUCT OR SERVICE	HOW ARE YOU GOING TO BE DIFFERENT THAN COMPETITION?
FOCUS ON FREQUENT, COSTLY OR URGENT PROBLEM TO SOLVE	UNDERSTAND THE CAUSE OF THE PROBLEM	TAP INTO, RESEMBLE OR SUPPORT EXISTING BEHAVIOR
DESIGN TRIGGERS THAT FIT REAL LIFE, SPARK ASSOCIATIONS, MAKE IT FAMILIAR	YOUR "DOWN TO EARTH" SOLUTION GUESS	BE WHERE YOUR CUSTOMERS ARE
ADD EMOTIONS FOR STRONGER MESSAGE	© Daria Nepriakhina / IdeaHackers.nl	