

Project Design Phase

Problem – Solution Fit Template

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| Date | 28 February 2026 |
| Team ID | LTVIP2026TMIDS46423 |
| Project Name | Intelligent SQL Querying with LLMs Using Gemini Pro |
| Maximum Marks | 2 Marks |

Problem – Solution Fit Template:

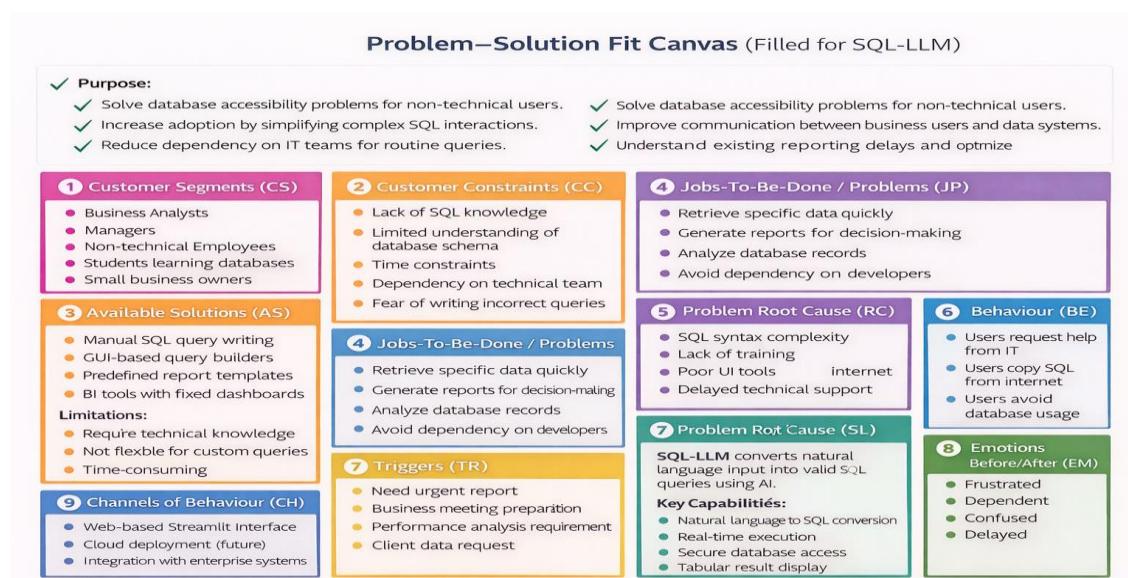
The Problem-Solution Fit ensures that the identified customer problem is clearly validated and that the proposed solution effectively solves the problem.

For the SQL-LLM project, the customer problem revolves around difficulty in accessing structured database information due to lack of SQL knowledge. The proposed AI-powered solution directly addresses this pain point by converting natural language queries into executable SQL statements.

Purpose:

- Solve database accessibility problems for non-technical users.
- Increase adoption by simplifying complex SQL interactions.
- Improve communication between business users and data systems.
- Reduce dependency on IT teams for routine queries.
- Understand existing reporting delays and optimize them through automation.

Template:



References:

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>
2. <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>