Ideation Phase

Define the Problem Statements

Date: 26 June 2025

Team ID: LTVIP2025TMID32004

Project Name: SmartSDLC: AI-Enhanced Software Development Lifecycle

Maximum Marks: 2 Marks

Customer Problem Statement Template:

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

Reference: https://miro.com/templates/customer-problem-statement/

PS-1

I am a software developer working on full-cycle development projects.

I'm trying to organize raw requirements and generate clean, efficient code quickly.

But I don't have time to manually classify, write, and test every feature.

Because traditional methods are time-consuming and don't scale well with frequent changes.

Which makes me feel overwhelmed and delays my delivery timelines.

PS-2

I am a development team lead managing SDLC documentation and team productivity.

I'm trying to automate code reviews, testing, and documentation workflows.

But existing tools do not integrate AI capabilities effectively across the SDLC phases.

Because they lack contextual understanding and intelligent automation.

Which makes me feel frustrated and limits team efficiency in meeting project deadlines.