

Ideation Phase

Define the Problem Statements

Date: 26 June 2025

Team ID: LTVIP2025TMID34234

Project Name: SmartSDLC: AI-Enhanced SDLC Automation Platform

Maximum Marks: 2 Marks

Customer Problem Statement Template

This template defines customer-centric problem statements to help teams understand real-world software development challenges and craft solutions using the SmartSDLC platform.

PS-1

I am a software engineer involved in requirement analysis and early SDLC planning.

I'm trying to classify vague business requirements into SDLC phases for efficient planning.

But I spend hours manually analyzing and organizing unstructured PDF documents.

Because traditional methods are tedious and error-prone, with little automation.

Which makes me feel overwhelmed and frustrated at the start of every project.

PS-2

I am a junior developer working on feature development and debugging.

I'm trying to quickly implement features and resolve bugs in production code.

But I lack guidance and often spend excessive time on routine tasks.

Because I don't have access to intelligent code generators or bug fixers.

Which makes me feel less productive and dependent on senior team members.

PS-3

I am a QA tester responsible for test case creation.

I'm trying to generate comprehensive unit tests for newly added features.

But writing test cases manually is time-consuming and prone to human error.

Because I often receive incomplete specifications or unclear requirements.

Which makes me feel stressed and unsure about test coverage quality.