

Ideation Phase

Define the Problem Statements

Date	31 January 2025
Team ID	LTVIP2025TMID29410
Project Name	Smart SDLC using Generative AI on IBM Cloud
Maximum Marks	2 Marks

Customer Problem Statement:

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.

I am	a student who's doing an AI project for completing the internship
I'm trying to	dive deep into the rapidly evolving field of Generative AI
but	the tools change so quickly while I'm still learning to use them with IBM Cloud
because	the field is advancing at a fast pace with frequent updates and new features
which makes me feel	frustrated but determined to overcome this challenge

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	a software development team member	develop and maintain AI-powered software faster and more efficiently	traditional SDLC lacks intelligent automation and adaptive decision-making	it doesn't utilize generative AI for tasks like requirement gathering, code generation, or testing	overloaded and unsure about productivity, accuracy, and consistency
PS-2	a project	ensure	it's	there is no	frustrated with delays,

	manager handling multiple AI development lifecycles	streamlined project delivery using IBM Cloud- based tools	difficult to track, optimize, and automate tasks across various stages of developm ent	smart integration of generative AI and cloud workflows	inefficiencies, and poor collaboration
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