Ideation Phase

Empathize & Discover

Date	25 Aug 2025
Team ID	NM2025TMID11403
Project Name	SmartSDLC – AI-Enhanced Software Development Lifecycle
Maximum Marks	4 Marks

Empathy Map

User Persona:

A Computer Science Student / Entry-Level Developer working on academic or startup-level software projects using SDLC.

Section	Insights
Says	"I don't know how to begin the software development lifecycle." "Creating test cases and documentation manually is time-consuming." "I wish I had something that could guide me step-by-step."
Thinks	"Will I be able to complete this project within the deadline?" "What if I make a mistake in the requirement or testing phase?" "Others seem to do it faster — am I missing something?"
Does	Spends hours browsing online for templates and tutorials. Relies on copy-paste coding without understanding the SDLC. Uses random tools or none at all for requirement and test case generation.
Feels	Overwhelmed by documentation and coding workload. Stressed about meeting academic or client expectations. Unconfident in producing quality output through proper SDLC.

Summary Insight:

The target user struggles to follow the structured SDLC process due to lack of practical tools and time constraints. They desire a guided, AI-enhanced solution that helps them learn and implement SDLC phases efficiently with automation support.