Problem solution Fit:

1. Problem(s) Identified		
P1	Software development teams often face delays due to manual requirement gathering and classification	
P2	Developers spend excessive time writing bollerplate code, reducing productivity	
P3	Bug fixing and testing are time- consurning and often error-prone when done manually	
P4	Lack of automation leads to inconsistent documentation and knowledge gaps	

2. Target A (Who is fac	Audience cing the problem?)
Developers	Need taster code generation, bug fixing, and test case creation
Project Managers	Require clearer classification of requirements and traceability across the SDLC
QA Engineers	Demand consistent, auto- generated test cases to validate code quickly
Clients	Expect timely delivery and functional clarity in development cycles

Alternative	Drawback
Manual SDLC Tools (e.g. Excel, Word)	Automative maping to SDLC phases vising IBM Granite LLM
Traditional IDE Plugins	Lack Al-powered adaptability for, natural language inputs
QA Engineers	Den of cover end-end SDLC stages in a singla platform
Test Case Generator	Produces structured pytest cases for functional code
Code Summarizer	Explains code functionality in lain English
Chathot Assistant	Real-time SDLC support for developers and team members

6. Unique Value Proposition

SmartSDLC is an Al-Dowered platform that automates the most time-intensive stages of Software Development Lifecycle – from gethering requirements to generaling production-ready code, lesting, and documentation—Using IBM's Granite LLM and deploy-