

Project Design Phase

Solution Architecture

Date	13 February 2026
Team ID	LTVIP2026TMIDS55278
Project Name	Laptop Request Catalog Item
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Architecture and Data Flow Diagram:-

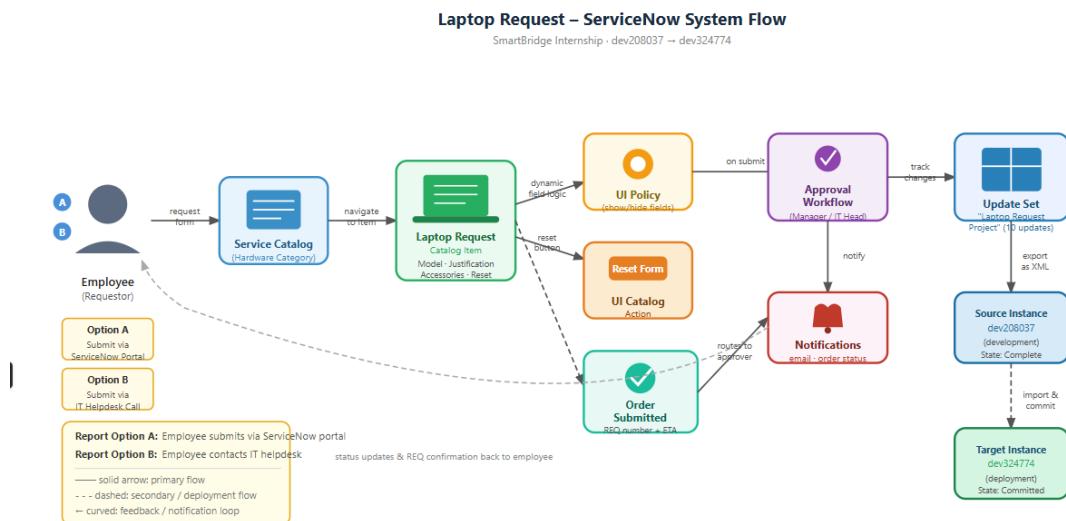


Figure 1: Architecture and data flow of Laptop Request Catalog Item

Reference: <https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/>