

Project Design Phase

Solution Architecture

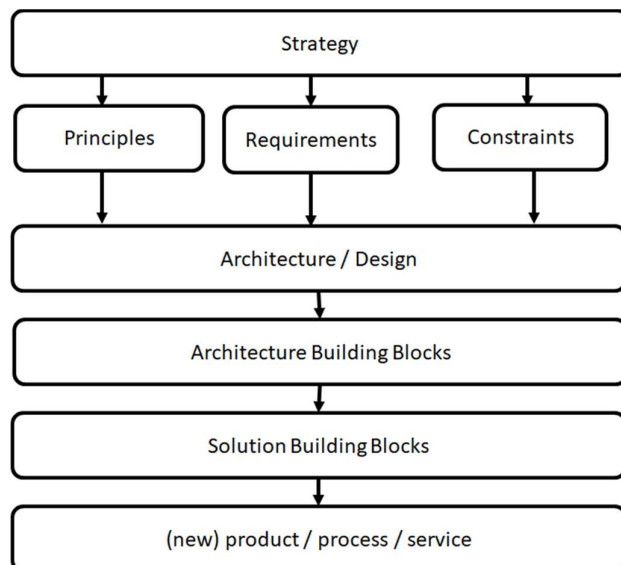
Date	26-06-2025
Team ID	LTVIP2025TMID19414
Project Name	BookNest
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a strategic and multifaceted process that connects business challenges with effective technological solutions. It involves several interrelated activities with the following key objectives:

- **Identifying the most suitable technology to address current business needs.**
- **Communicating the system's design, structure, functionality, and behavior to stakeholders in a clear and comprehensive manner.**
- **Defining core features, development stages, and technical and business requirements of the solution.**
- **Establishing detailed guidelines and specifications for how the solution will be planned, developed, implemented, and maintained.**

Example - Solution Architecture Diagram:



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Figure 1: Architecture and data flow of the voice patient diary sample application

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