

Project Design Phase

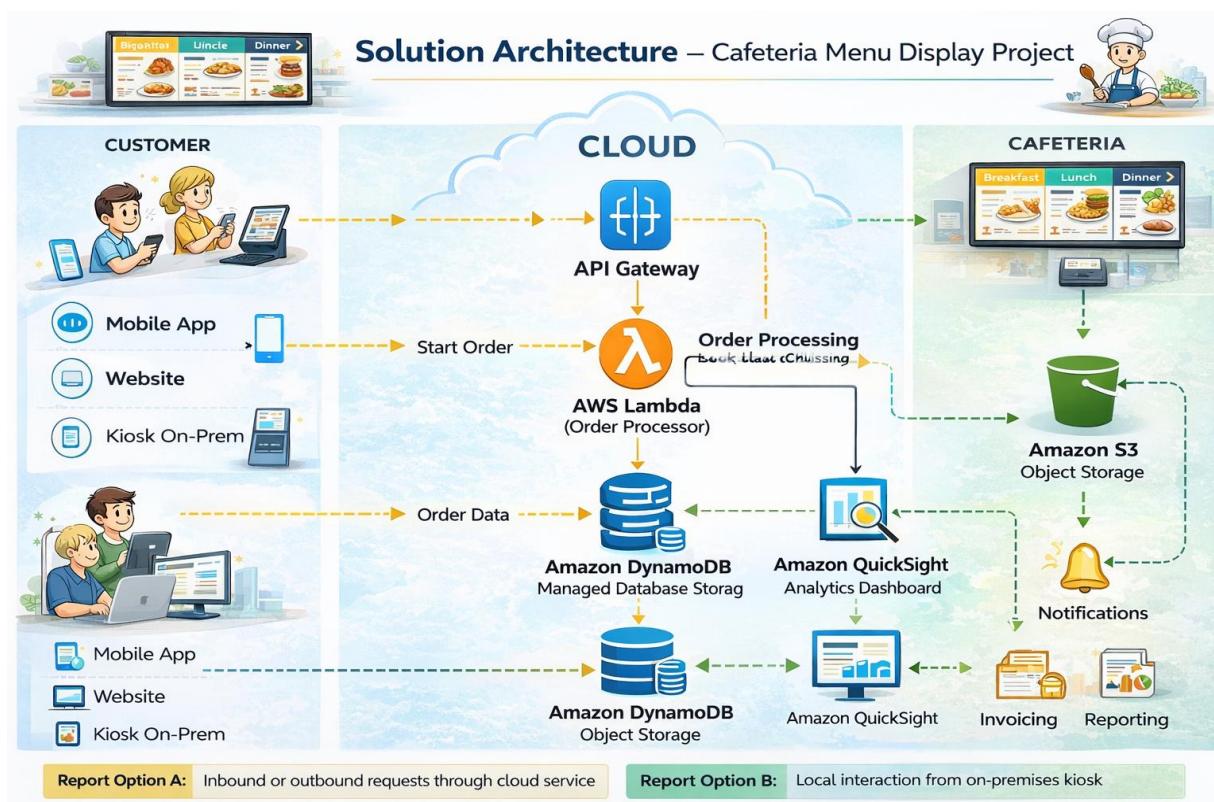
Solution Architecture

Date	19-02-2026
Team ID	LTVIP2026TMIDS66321
Project Name	Cafeteria Menu Display
Maximum Marks	4 Marks

Solution Architecture:

- Identifies cafeteria issues such as outdated menus, customer confusion, and high staff workload.
- Proposes a centralized digital menu display system as the best technology solution.
- Includes an admin/dashboard application for easy menu, price, and availability updates.
- Uses a backend server to process, validate, and synchronize menu data.
- Stores all menu information in a centralized database for consistency.
- Displays real-time menu content on digital screens placed inside the cafeteria.
- Supports network connectivity (Wi-Fi/Ethernet) for instant updates across all displays.
- Defines system features, development phases, and functional requirements clearly.
- Ensures scalability, maintainability, and future integration with billing or mobile systems.

Example - Solution Architecture Diagram:



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