

Project Design Phase Solution Architecture

Date	26 June 2025
Team ID	LTVIP2025TMID51628
Project Name	IRvolution: A Data-driven Exploration of Apple's iPhone Impact in India using Tableau.
Maximum Marks	4 Marks

Solution Architecture::

Solution Architecture is a critical discipline that aligns business objectives with technology solutions. For the **Smart iPhone Feature Management Application**, the solution architecture ensures a seamless, secure, and scalable system that allows users to manage iPhone features intelligently while syncing and processing data in the cloud. This architecture is designed to optimize user experience, streamline feature access, and enable analytics through AWS-powered services.

Objectives of the Solution Architecture:

- To identify and implement the most suitable cloud-based technology stack to support smart feature tracking, usage analytics, and user profile management.
- To ensure the application structure supports real-time data flow, secure authentication, and personalized feature recommendations.
- To clearly define and communicate the system's structure, data flow, component interactions, and deployment strategy to all stakeholders.
- To specify development milestones, functional and non-functional requirements, and integration pathways for a successful delivery.

Example - Solution Architecture Diagram:

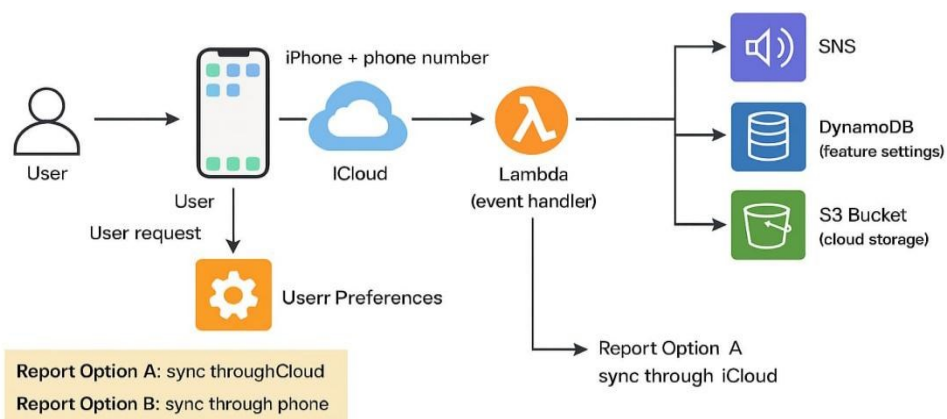


Figure 1: Architecture and data flow of the iPhone feature management sample application