Project Design Phase

Problem – Solution Fit Template

Date	2 November 2025
Team ID	NM2025TMID00728
Project Name	Medical Inventory Management System
Maximum Marks	2 marks

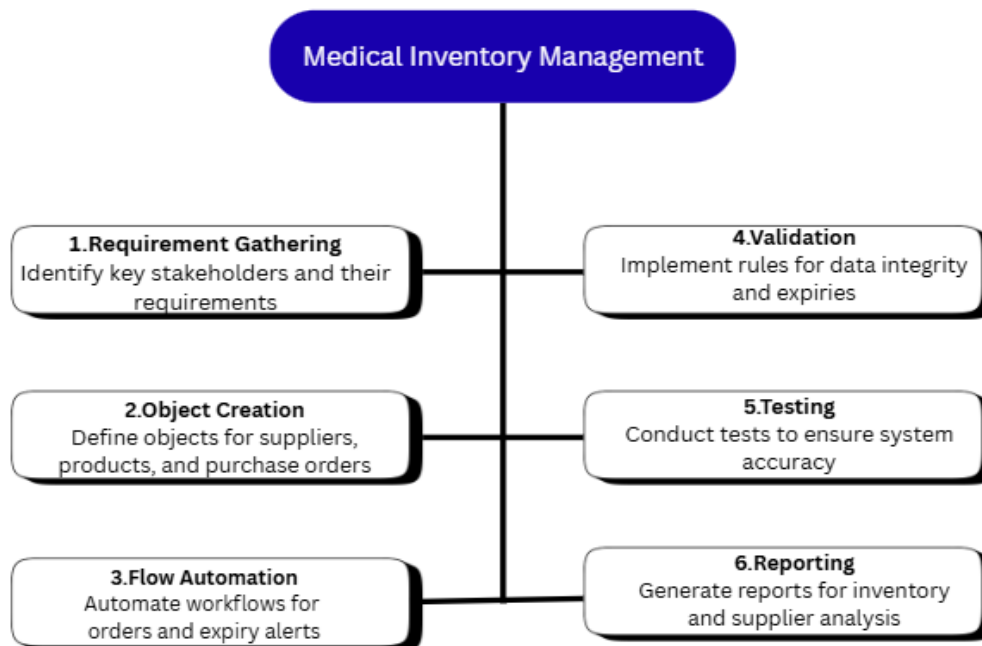**Problem – Solution Fit Template**

The Problem–Solution Fit ensures that the solution effectively addresses a real-world challenge faced by the target users. In the healthcare industry, managing medical inventory manually often leads to stock shortages, expiry of medicines, and poor record accuracy. The Medical Inventory Management System solves these challenges by automating inventory tracking, purchase order management, and supplier data handling within Salesforce.

This digital transformation improves operational transparency, ensures timely replenishment of stock, and minimizes waste. Through real-time dashboards and automated alerts, the system enhances accuracy, accountability, and decision-making for medical institutions.

Purpose

- To create a centralized Salesforce-based platform for managing all inventory-related data.
- To reduce human errors in product tracking and order processing.
- To monitor expiry dates and send automatic alerts for near-expiry medicines.
- To enable efficient supplier management with contact and performance details.
- To automate workflows for purchase approvals and restocking processes.
- To generate detailed reports for performance, purchase, and inventory analysis.
- To enhance user accessibility and security through roles, profiles, and permissions.

Template

The project "Medical Inventory Management" addresses critical challenges in the medical supply chain, including manual inefficiencies, lack of visibility, and the risk of expired products. By leveraging Salesforce's cloud-based platform, this solution ensures centralized management of suppliers, purchase orders, and product inventories. It integrates automation through flows and triggers to maintain real-time data accuracy and proactive expiry alerts. Furthermore, the inclusion of dashboards and reports enables healthcare organizations to make data-driven decisions, ensuring patient safety and operational excellence. The project demonstrates how Salesforce can effectively modernize and digitize healthcare inventory systems with accuracy, transparency, and reliability.