Project Design Phase
Problem – Solution Fit Template

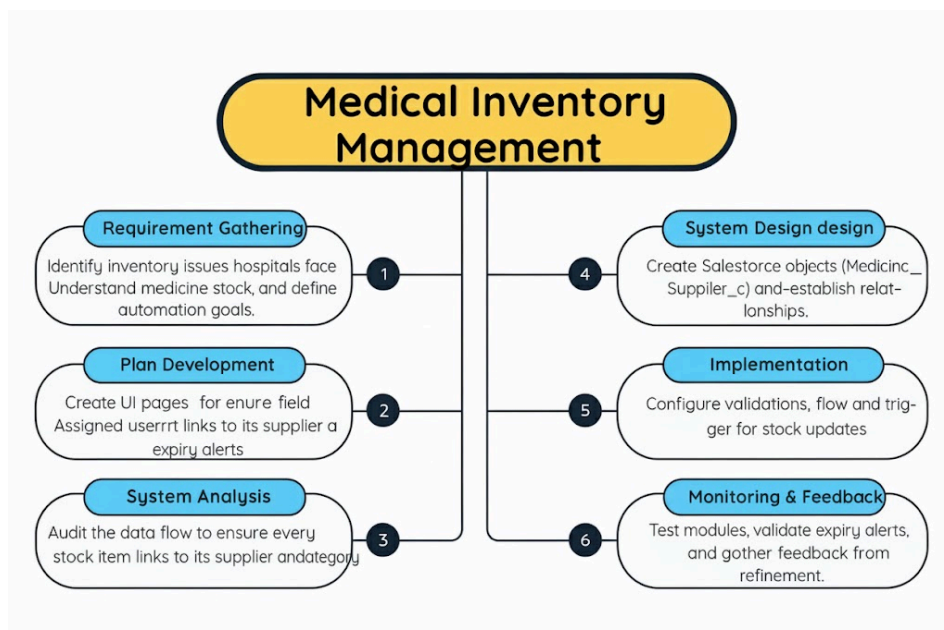| Date	1 NOVEMBER 2025
Team ID	NM2025TMID07834
Project Name	Medical Inventory Management System
Maximum Marks	2 Marks

Problem – Solution Fit Template:

The Problem–Solution Fit simply means that you have identified a real issue faced by your target users and that the solution you designed effectively addresses that issue. It helps organizations, developers, and innovators understand user behavior, identify operational inefficiencies, and propose digital solutions that make processes simpler, faster, and more reliable.

Purpose:

❑ Streamline and automate medical inventory operations to eliminate manual errors and stock mismanagement.
❑ Improve hospital efficiency and ensure medicine availability through automated stock tracking and expiry alerts.
❑ Enhance transparency and accountability in the management of medical supplies across departments.
❑ Reduce financial losses due to overstocking, expired medicines, or delayed supplier reorders.

❑ Provide real-time insights for administrators and pharmacists to make data-driven decisions.

Template:

References:

1. https://www.gustdebacker.com/problem-solution-fit/
2. https://nos.co/problem-solution-fit/

The project **"Medical Inventory Management"** addresses a critical challenge in healthcare systems — maintaining accurate and efficient control of medical supplies. By ensuring that each medicine item is properly tracked, linked to its supplier, and monitored for expiry, the solution enhances operational accuracy and reduces risks related to shortages or wastage. This system strengthens accountability and data integrity by automating inventory updates, applying validation rules, and enabling real-time stock insights. Through continuous monitoring and structured feedback, it improves decision-making for hospital administrators and ensures timely availability of essential medicines. With the successful implementation of automated workflows and relational data models on platforms like Salesforce, this project sets a foundation for **smarter, safer, and more transparent medical inventory operations** in healthcare environments.