

Project Design Phase
Problem – Solution Fit Template

Date	1 NOV 2025
Team ID	NM2025TMID02866
Project Name	Medical Inventory Management
Maximum Marks	2 Marks

Problem – Solution Fit Template

The Problem – Solution Fit shows how well a solution works for a specific challenge someone or an organization is facing.

In this project, we created a Medical Inventory Management System using Salesforce. This system helps hospitals and clinics manage their medical supplies more smoothly, automatically, and with better tracking throughout the whole inventory process.

Purpose

- To keep track of medical products, equipment, and supplies in real time.
- To reduce mistakes in managing stock by automatically handling purchase orders and checking when items are about to expire.
- To manage suppliers better, be more transparent, and control costs through centralized data and analytics.

- To keep patients safe by making sure expired or not enough supplies are not used.
- To offer a cloud-based system that improves efficiency, responsibility, and decision-making in healthcare.

Problem Description

Hospitals and clinics often have trouble keeping accurate and up-to-date records about their medical inventory.

Trying to manage stock manually leads to many problems such as:

- Having too much or too little of important supplies.
- Tracking expirations inaccurately, which causes waste or unsafe use?
- Delayed purchase orders because there's no real-time view of inventory.
- Poor communication between suppliers and those who buy supplies.
- No good reports or performance measurements available.

Solution Description

The Medical Inventory Management System on Salesforce helps solve these issues through automation, integration, and data use:

- **Supplier Management:** A central place to keep supplier information, contacts, and what products they supply.
- **Product Tracking:** Know stock levels, when to reorder, and when items will expire in real time.
- **Purchase Order Automation:** Use triggers to automatically calculate order totals and flows to update delivery dates.

- Validation Rules: Stop mistakes by checking data is correct (like making sure delivery dates are within 7 days).
- Reports and Dashboards: See trends in buying, how suppliers are performing, and how much stock is being used.
- User Roles and Access: Set permission levels so Inventory Managers and Purchase Officers can only see what they need.

Outcome and Impact

- Better efficiency by automating important inventory tasks.
- Less waste and expired stock because of timely alerts and tracking.
- More responsible suppliers and clearer purchase orders.
- Real-time insights into inventory through dashboards and reports.
- Supports healthcare centers in following rules and keeping patients safe.

References

<https://www.ideahackers.network/problem-solution-fit-canvas/>

<https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>

Final Statement

The project “Medical Inventory Management” fills an important gap in healthcare by providing a smart, automated, and dependable way to track medical supplies.

Using Salesforce tools like Flows, Triggers, and Validation Rules, this system ensures accuracy, data reliability, and excellent operations. It changes manual inventory handling into a scalable, cloud-based solution, making healthcare more efficient, transparent, and compliant.

Medical Inventory Management

Template:

