

Medical Inventory Management

Project Design Phase

Problem – Solution Fit Template

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Team ID	NM2025TMID04716
Project Name	Medical Inventory Management System

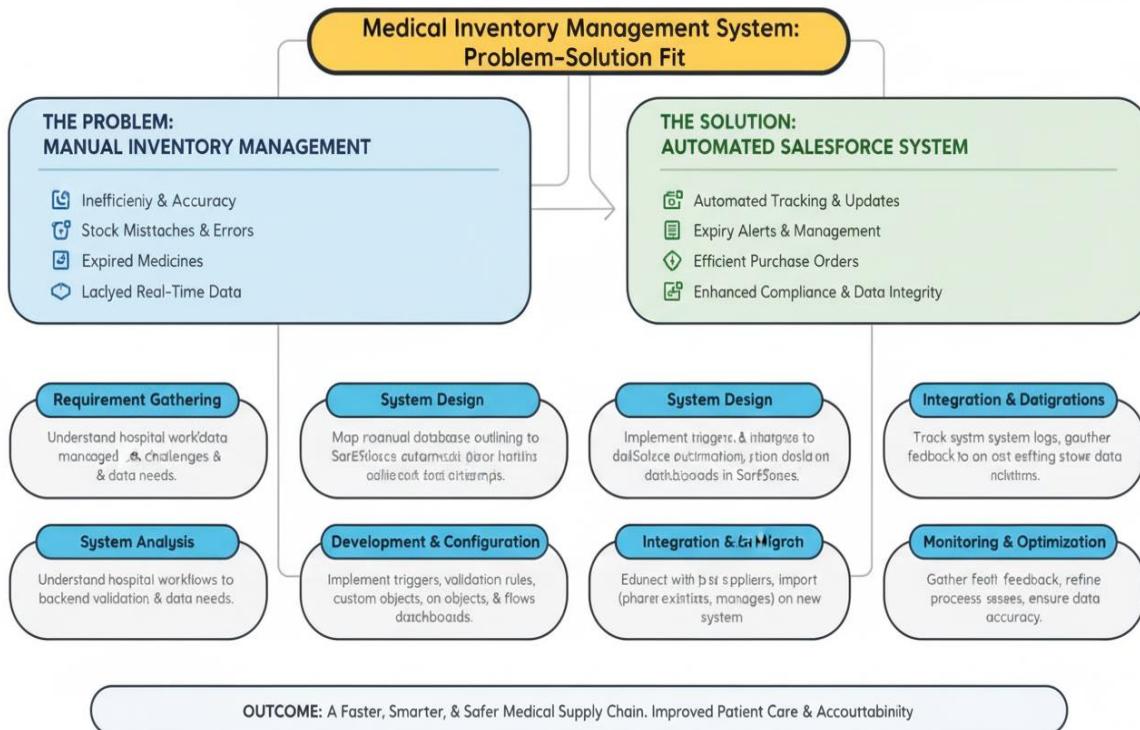
Problem – Solution Fit Template

The **Problem–Solution Fit** ensures that the identified problem in medical inventory management directly aligns with a practical and effective solution. It highlights how the proposed system meets the specific needs of hospitals, pharmacies, and healthcare institutions struggling with manual inventory tracking, delayed procurement, and data inaccuracies.

Purpose

- To **resolve complex inventory challenges** in a way that fits the workflow of healthcare organizations.
- To **increase efficiency and reliability** through automation and accurate data handling.
- To **enhance communication and coordination** between suppliers, purchase managers, and pharmacists using an integrated system.
- To **ensure operational continuity and compliance** by tracking medicine expiry dates, stock quantities, and purchase histories in real time.
- To **understand existing manual processes** and replace them with a smarter, cloud-based Salesforce solution that improves decision-making and accountability.

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Template

The project “**Medical Inventory Management System**” addresses a critical problem in healthcare operations — the inefficiency and inaccuracy of manual inventory management. By automating the processes of **supplier management, product tracking, purchase order creation, and inventory updates**, the system eliminates common issues such as stock mismatches, expired medicines, and delayed procurement.

This Salesforce-based solution improves **data accuracy, transparency, and productivity** across all inventory activities. It ensures that stock records remain up to date, product movements are traceable, and managers can make informed decisions using real-time dashboards and reports.

The project not only enhances hospital workflow efficiency but also strengthens **data integrity and compliance**, creating a more reliable and responsive medical supply environment. Through the alignment of identified pain points and technical innovation, the **Problem–Solution Fit** demonstrates how automation can directly transform traditional medical inventory management into a faster, smarter, and safer process.