

Medical Inventory Management

Ideation Phase

Brainstorm & Idea Prioritization Template

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Team ID	NM2025TMID04716
Project Name	Medical Inventory Management System

Medical Inventory Management System Template:

This guided project focuses on automating and streamlining medical inventory operations using Salesforce. The system enables healthcare institutions to efficiently manage suppliers, products, purchase orders, and inventory transactions.

It begins with identifying the problems in traditional manual systems — such as stock mismatches, expired medicines, and delayed procurement. The team then brainstormed automation-based solutions to improve efficiency, reliability, and accuracy.

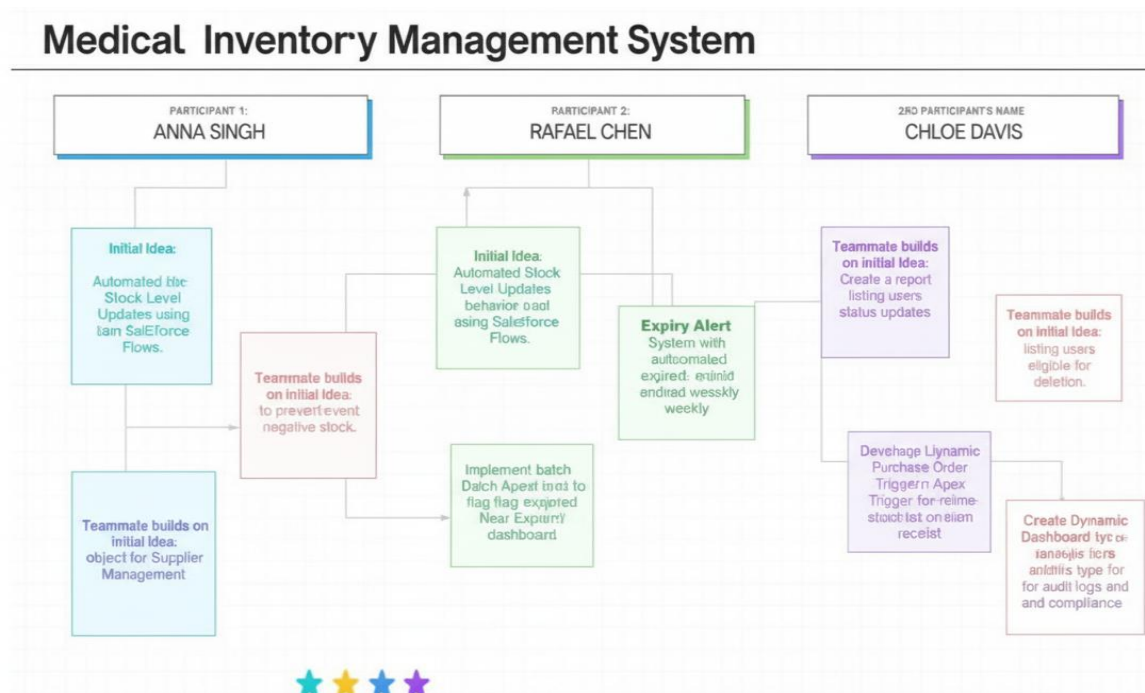
Salesforce tools such as custom objects, flows, validation rules, triggers, and dashboards are used to implement and test these ideas. The final system ensures real-time updates, accurate stock tracking, and timely procurement management, improving data integrity and reducing human error.

Step 1: Team Gathering, Collaboration, and Problem Selection

The team discussed and selected the **problem of inefficient medical inventory tracking** faced by hospitals and pharmacies. Members collaborated to analyze how delays in procurement and manual record-keeping affect patient care and organizational productivity.

Together, they agreed that building an **automated Salesforce-based inventory management solution** would help address these recurring issues.

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Step 2: Brainstorm, Idea Listing, and Grouping

Brainstorm:

Team members openly shared multiple ideas to enhance the system — focusing on automation, alerts, and reporting. Creativity was encouraged to explore every possible improvement, from product expiry notifications to supplier performance tracking.

Idea Listing:

All suggested ideas were recorded, including:

- Automated stock level updates
- Expiry alerts for medicines
- Purchase order tracking
- Supplier and delivery management
- Real-time dashboards and analytics

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Grouping:

Ideas were grouped under major categories such as Automation, Monitoring, and Reporting to identify common goals and optimize the implementation strategy.

Action Planning:

The best ideas were selected and broken down into actionable steps — assigning roles for Salesforce configuration, Apex development, and report creation. Each idea was mapped to achievable milestones.

Step 3: Idea Prioritization

Idea prioritization helped the team organize and refine the most critical solutions to ensure a clear development path. The top priorities included:

1. Automation of Stock Tracking – using triggers and flows.
2. Expiry Management System – with alerts for near-expiry products.
3. Purchase Order & Supplier Management – with delivery tracking.
4. Dynamic Dashboards & Reports – for real-time decision-making.

Prioritizing these ideas allowed the team to focus on high-impact functionalities that improved data reliability, reduced manual workload, and supported better healthcare service delivery. Each idea was further visualized through flowcharts and system design diagrams to clarify the execution plan.

Outcome

The brainstorming and prioritization process led to the creation of a **smart Salesforce-based Medical Inventory Management System** capable of:

- Automating complex inventory processes
- Reducing stock and order errors
- Enhancing productivity and accountability
- Providing data-driven insights through analytics

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This structured ideation process ensured that every decision was user-centered and aligned with the goal of improving hospital inventory operations efficiently.