

Brainstorming Document

Date	28 June 2025
Team ID	LTVIP2025TMID30494
Project Name	Medical Inventory Management

1. Brainstorming Purpose

To ideate potential solutions that address the inefficiencies in current medical inventory workflows—including product tracking, supplier coordination, and automated reorder systems—within hospital environments using Salesforce as the foundation.

2. Key Themes for Brainstorming

Theme	Ideas Explored
Inventory Tracking	<ul style="list-style-type: none">- Track product stock in real time- Show expiry dates visibly on dashboards- Low-stock alerts
Supplier Management	<ul style="list-style-type: none">- Store supplier records- Record delivery timelines & ratings- View supplier-wise PO history
Purchase Automation	<ul style="list-style-type: none">- Create POs from inventory triggers- Roll-up PO costs- Approval Flow for high-value orders
Expiry Handling	<ul style="list-style-type: none">- Scheduled Flows for expiry alerts- Daily checks for at-risk items
Reporting & Insights	<ul style="list-style-type: none">- Dashboard for stock health- Reports on supplier delays- Forecast reorder timelines
User Experience	<ul style="list-style-type: none">- Role-based lightning pages- Mobile-enabled inventory interface

3. Tools & Concepts Considered

- Apex Triggers for automated calculations
- Record-Triggered and Scheduled Flows
- Lookup and Master-Detail relationships in data model
- Validation Rule to prevent invalid Expected Delivery Dates
- Formula fields for cost computation
- Reports & Dashboards (PO Summary, Inventory Snapshot)
- Permission Sets for Inventory Manager and Purchase Manager

4. Finalized Solution Directions (Post-Brainstorm)

- Centralized Salesforce-based Inventory App
- Automated reorder tracking via scheduled flows
- Visual dashboards and expiry alerts
- Role-specific access and simplified UI
- Supplier performance analytics