

Ideation Phase

Brainstorm & Idea Prioritization Template

Date	1 November 2025
Team Id	NM2025TMID04221
Project Name	Medical Inventory Management System
Maximum Marks	4 Marks

Step 1: Team Gathering, Collaboration, and Problem Statement Selection

The team collaborated to identify operational challenges in managing medical inventory within hospitals and healthcare facilities. The discussions highlighted the need for a centralized Salesforce-based solution to address inefficiencies such as inaccurate stock tracking, expired medicine usage, and uncoordinated supplier management.

After analyzing potential ideas, the team finalized the problem statement:

“To develop a Salesforce application that automates medical inventory tracking, manages suppliers and purchase orders, monitors expiry dates, and provides insightful reporting to enhance operational efficiency and compliance.”

Step 2: Brainstorming, Idea Listing, and Grouping

Brainstorming:

Team members freely shared ideas on how to improve and automate inventory management workflows. Emphasis was placed on integrating automation, real-time alerts, and data accuracy to ensure smooth medical supply operations.

Idea Listing:

All ideas were documented to ensure inclusivity and creativity.

Key ideas generated:

- Implement real-time stock updates for all medical products.
- Automatic expiry date tracking with alerts before due dates.
- Centralized supplier database with contact and performance details.

- Smart purchase order generation based on stock thresholds.
- Dashboard for real-time insights into stock status and supplier efficiency.
- Integration with Salesforce Flow for automation and record validation.
- Reporting module to generate supplier, order, and product transaction summaries.
- Role-based access for administrators, inventory managers, and purchase officers.
- Cloud-based data access to improve transparency and reduce manual errors.

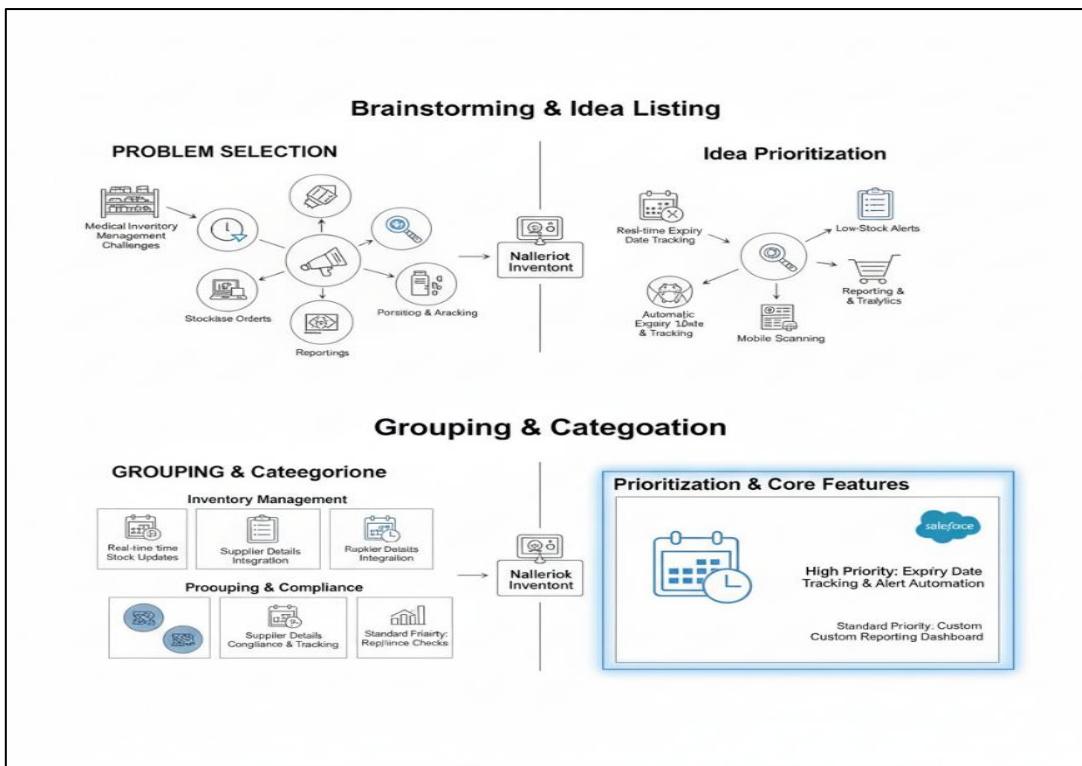
Grouping:

The ideas were categorized into four main groups:

Category	Description
Inventory Management	Real-time stock tracking, expiry date monitoring, threshold alerts.
Supplier Management	Supplier details, rating, and purchase order history tracking.
Automation & Reporting	Workflow automation using Salesforce Flows, dashboards, and reports.
User Experience & Access	Role-based access control, simplified interfaces, and mobile compatibility.

Action Planning:

Each idea group was assigned to specific team members for development planning and prototype testing. The focus was on automation and user-centered design to improve system usability and reliability.



Step 3: Idea Prioritization

Prioritization Rationale:

Ideas were prioritized based on impact, feasibility, and alignment with the project goal of improving efficiency and accuracy in medical inventory management.

Priority Level	Idea / Feature	Reason for Priority
High	Expiry date tracking and alert automation	Directly prevents medical risks and wastage
High	Real-time stock updates and threshold-based reordering	Ensures uninterrupted medical supply availability
Medium	Supplier performance analytics	Enhances procurement decisions
Medium	Dashboard and reporting module	Supports data-driven decision-making
Low	Mobile access interface	Can be implemented post core feature deployment