

## Ideation Phase

### Brainstorm & Idea Prioritization

#### Template

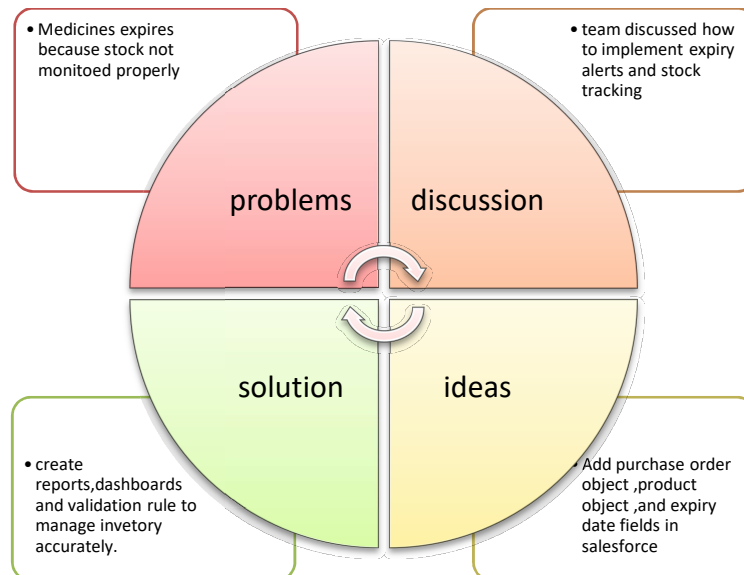
Date	01 November 2025
Team ID	NM2025TMID07834
Project Name	Medical Inventory Management System
Maximum Marks	4 Marks

#### Medical Inventory Management Template:

This guided project demonstrates how to manage and streamline the handling of medical inventory items within a healthcare or pharmacy environment. It focuses on maintaining accurate data related to suppliers, purchase orders, product stocks, and product expiry dates. The purpose of this project is to avoid stock shortages, prevent usage of expired medicines, and improve decision-making using real-time reports and dashboards.

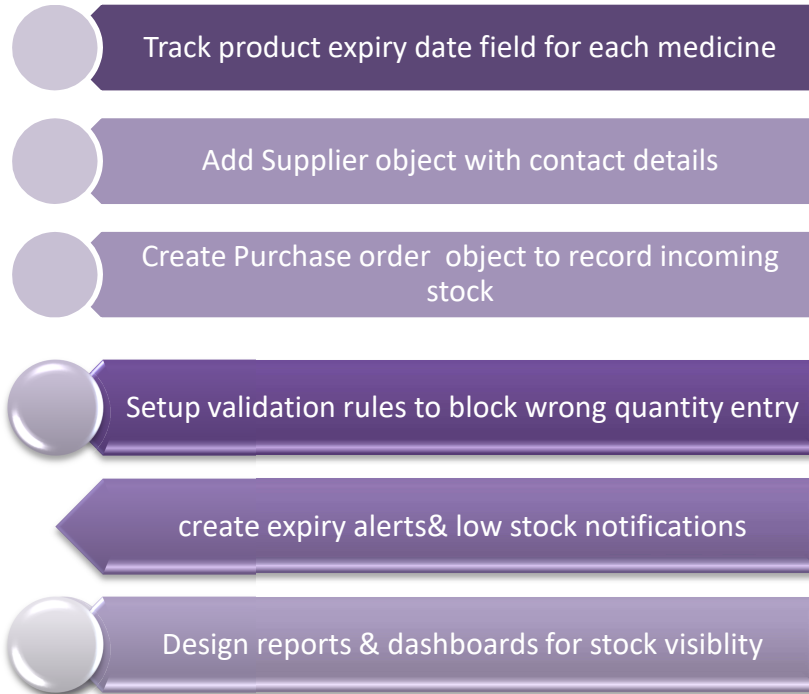
This system allows the creation of suppliers, records purchase orders from them, stores product details with quantity and expiry date, and tracks transactions related to stock movements. Important fields will be configured to ensure data accuracy and validation rules will prevent wrong entries. Reports and dashboards will be created to visualize the stock status, upcoming expiry alerts, and supplier performance.

#### Step-1: Team Gathering, Collaboration & Problem Statement selection



Reference: <https://www.mural.co/templates/brainstorm-and-idea-prioritization>

## Step-2: Brainstorm, Idea Listing & Grouping



- **Brainstorm:**  
Everyone shared pain areas in the medical stock tracking process without judging ideas.
- **Idea Listing:**  
Main ideas listed included stock level updates, supplier tracking, PO management, expiry tracking, and imple dashboard charts.
- **Grouping:**  
  
Ideas were grouped into 4 categories:
  1. Supplier Management
  2. Stock & Expiry Management
  3. Purchase Orders
  4. Reports & Dashboard insights
- **Action Planning:**  
Top areas converted into build tasks → object creation, fields, validations, roles, triggers, reports etc.

## Step-3: Idea Prioritization

### 6 Steps to Improve Medical Inventory Management

From all the ideas discussed, the most important features were selected first. Expiry tracking and purchase order recording were given highest priority because they directly prevent medicine wastage. Supplier details, reports and dashboards were kept as medium priority items because these can be added after the main functions are working. This step helped to focus on what needs to be built first for maximum value.

Track expiry dates

maintain accurate stock levels

record supplier information and monitor  
purchase orders

Enable low stock alerts

validate quantities

review stock reports