

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	20 June 2025
Team ID	LTVIP2025TMID29069
Project Name	Medical Inventory Management
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Inventory Management	Record Stock In/Out via Stock_Transaction__c Auto-update Inventory__c quantity fields
FR-4	Stock Moving tracking	Create/Edit/Delete Inventory__c records Track Expiry, Batch Number, and Quantity on-hand
FR-5	Alerts & Notifications	Create Expiry and Low Stock alerts using Flows and Process Builder Send Email/Push/SMS
FR-6	Reporting & Dashboards	Build Reports on stock levels, expiry, usage trends Custom dashboards for Admin and Managers

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Lightning UI and Experience Cloud sites provide intuitive workflows for both internal and external users
NFR-2	Security	Salesforce Shield (optional), role hierarchy, encryption at rest, 2FA, and field-level security
NFR-3	Reliability	High reliability with Salesforce platform SLAs, built-in data validation & transaction integrity
NFR-4	Performance	Apex best practices ensure optimized processing even with large volume
NFR-5	Availability	99.99% uptime via Salesforce cloud infrastructure
NFR-6	Scalability	Scalable across multiple facilities or organizations by extending custom objects and apps