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| Date | 25/10/2025 |
| Team ID | NM2025TMID04337 |
| Project Name | MedicalInventoryManagementSystem |
| Maximum Mark | 10Marks |

1. Introduction

This requirements document lists functional and non-functional requirements for the Medical Inventory Management System on Salesforce.

Functional Requirements

FR1: Admin can add/update/delete Medicine records.

FR2: Pharmacist can create Stock Transaction records for In and Out movements. FR3: System sends low-stock alerts when Quantity_On_Hand <= Reorder_Level. FR4: System flags items approaching expiry and notifies users.

FR5: Generate reports: current stock, consumption by period, purchase history.

Non-Functional Requirements

NFR1: System should be accessible on desktop and mobile.

NFR2: Response time for CRUD operations should be under 3 seconds. NFR3:

Data must be protected using Salesforce security features.

NFR4: System must handle up to 1000 medicine SKUs initially.

User Stories

- As a Pharmacist, I want to log stock usage quickly so that records stay updated.
- As an Admin, I want to see medicines near expiry so I can plan replacements.
- As a Procurement Officer, I want a report of consumption trends so I can budget purchases.

Acceptance Criteria

- Stock updates reflect correctly after creating Stock Transaction.
- Low-stock alert created within scheduled flow run.
- Reports show accurate aggregated numbers matching sample data.

Data Dictionary (Text Table)

Medicine: Name(Text), SKU(Text), Batch(Text), Expiry Date(Date), Quantity_On_Hand (Number), Reorder_Level (Number).

ConstraintsandAssumptions

Constraints: No external ERP integration in initial release. Assumptions: Users have basic mobile devices for scanning/manual entry; initial data will be available in CSV for import.

TraceabilityMatrix(Summary)

Map FRs to test cases and design elements. Example: FR3 -> Low Stock Alert Flow -> Test Case: create Medicine with low quantity and verify task/notification.