

PROJECT DESIGN PHASE-II

Data Flow Diagram & User Stories

DATE	01/11/2025
NM ID	NM2025TMID08826
PROJECT NAME	MEDICAL INVENTORY MANAGEMENT
MAXIMUM MARKS	4MARKS

Data Flow Diagrams (DFD)

A **Data Flow Diagram (DFD)** visually represents how data moves through the medical inventory system. It shows how inventory items are created, validated, and tracked across suppliers, departments, and expiry checks.

In this project, the DFD illustrates how:

- Admins input supplier and product data
- The system validates expiry and quantity thresholds
- Inventory transactions are logged and monitored
- Alerts are triggered for low stock or expired items

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Administrator	Inventory Setup	MINV-1	As an admin, I want to add suppliers and products to the system.	System should allow creation with valid fields and relationships.	High	Sprint-1
System (Autocheck)	Expiry Validation	MINV-2	As a system, I must check if a product is expired before allowing usage.	Usage proceeds only if expiry date is valid; else, it should be blocked.	High	Sprint-1
Inventory Manager	Alert Notification	MINV-3	As an inventory manager, I want to receive alerts for low stock or expired items.	System shows a warning or alert before item usage or reorder.	Medium	Sprint-2

