

Project Design Phase-II

Data Flow Diagram & User Stories

Date	31 st October 2025
Team ID	NM2025TMID06633
Project Name	Medical Inventory Management
Maximum Marks	4 Marks

Data Flow Diagrams:

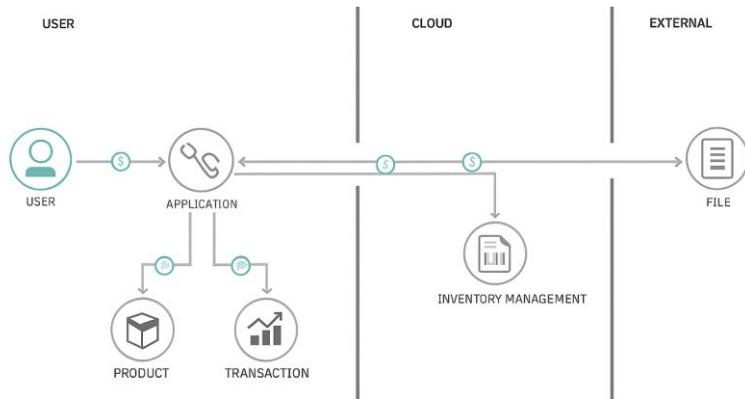
A Data Flow Diagram (DFD) is a graphical representation that shows how data moves through a system — illustrating the processes, data stores, data inputs/outputs, and data flows between them.

It helps in understanding how information is processed, where it comes from, where it goes, and how it is transformed.

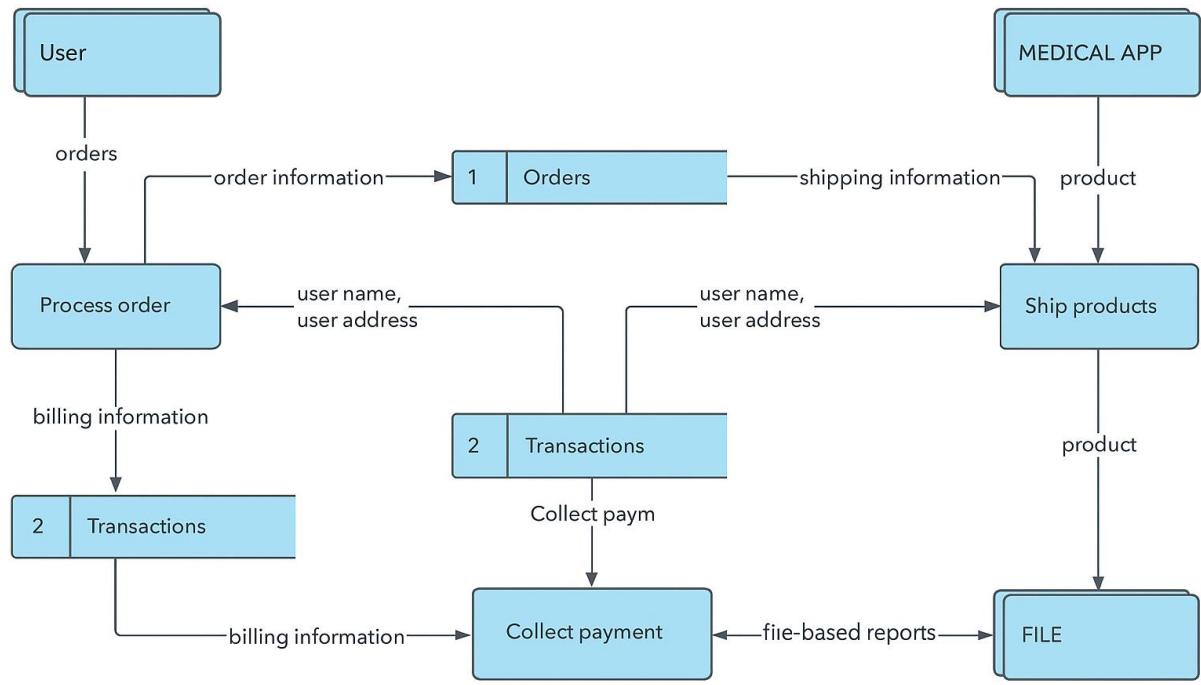
The Data Flow Diagram for the Medical Inventory Management System illustrates how data moves between users, inventory, suppliers, and payment processes. It shows how orders are placed, stock levels are updated, and supplies are fulfilled efficiently. The diagram ensures smooth coordination between medical staff, inventory control, and supplier operations.

Example:

Flow



1. User logs in to Medical Inventory Management application.
2. User selects required products from the catalog or search by name or ID.
3. System logs a transaction for new order.
4. System updates the actual stock levels.



User Stories:

User stories define what different users need from the system in simple, goal-focused language. In this project, they help ensure efficient management of medical supplies, inventory tracking, and timely notifications to maintain availability and prevent shortages.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Administrator	Inventory Management	USN-1	As an admin, I want to add or update medical stock details in the system.	The system should allow adding new items and updating existing stock quantities successfully.	High	Sprint-1

Pharmacist	Stock Validation	USN-2	As a pharmacist, I want to verify low stock levels and generate restock requests.	System should display alerts when stock falls below threshold and allow restock requests to suppliers.	High	Sprint-1
Supplier	Order Processing	USN-3	As a supplier, I want to receive restock orders and update delivery status.	The system should record order confirmations and update inventory upon delivery	Medium	Sprint-2
Store Manager	Notification Management	USN-4	As a store manager, I want to get alerts for expired or soon-to-expire medicines.	The system should send notifications automatically for expiring medicines.	Medium	Sprint-2