

Project Design Phase-II

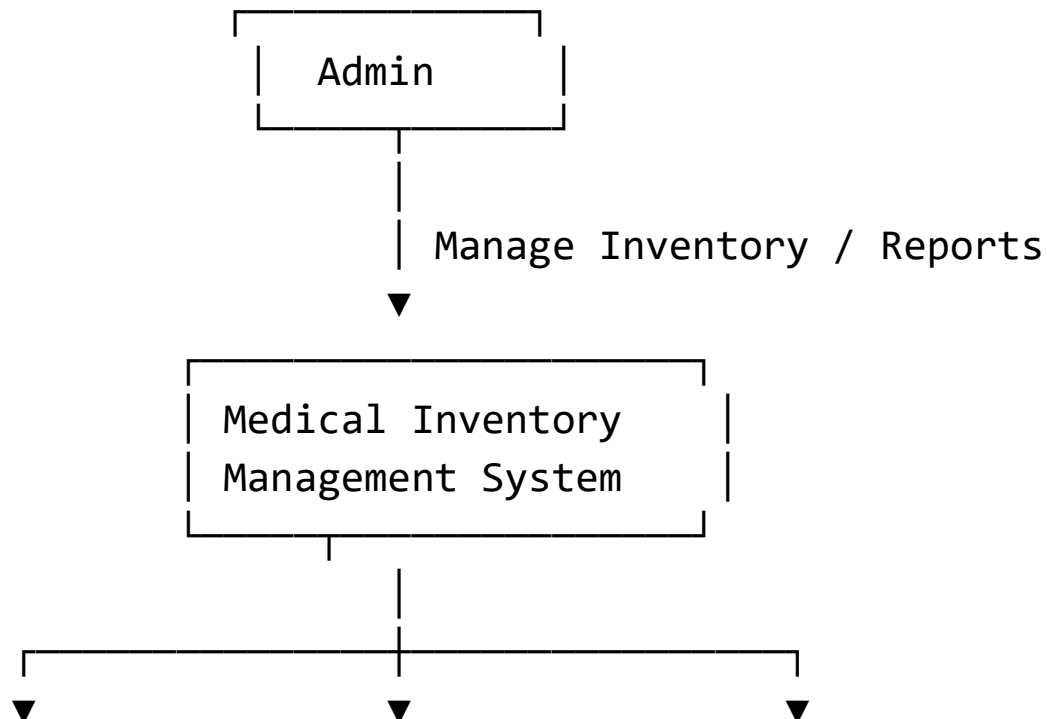
Data Flow Diagram & User Stories

Date	7 Nov 2025
Team ID	NM2025TMID06700
Project Name	Medical inventory management
Marks	4 Marks

1. Data Flow Diagram (DFD)

Level 0 (Context Diagram)

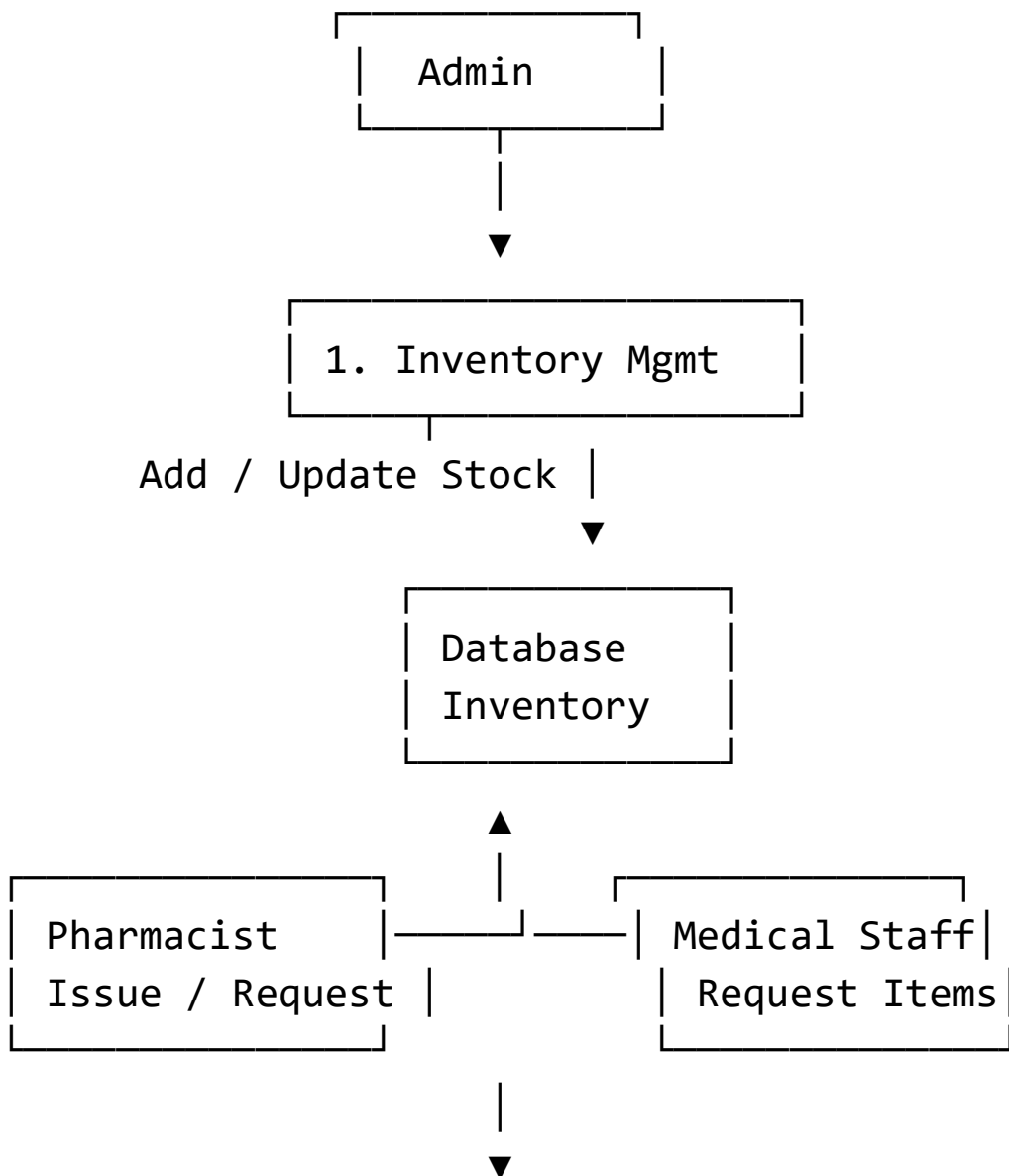
Shows the system as a single process interacting with external entities.

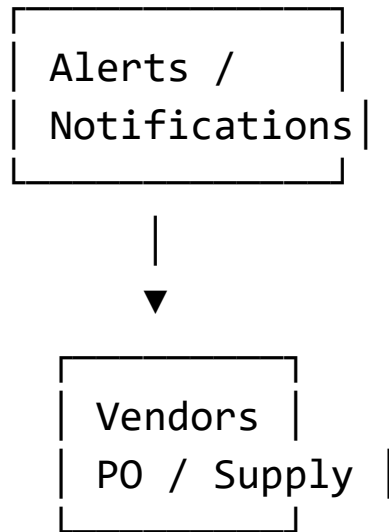




Level 1 DFD

Breaks down the main system into sub-processes.





2. Use Case Diagram / Users

Actors:

1. **Admin** – Full control over inventory and reports.
2. **Pharmacist / Inventory Manager** – Manages stock, issues items, monitors expiry.
3. **Medical Staff** – Requests items for patients.
4. **Vendor** – Supplies items upon purchase order.
5. **System** – Sends notifications, maintains records.

Use Cases:

- **Admin**
 - Add / Update / Delete Inventory
 - View Reports & Analytics
 - Manage Users
- **Pharmacist**

- Issue Inventory
- Track Stock Levels
- Monitor Expiry & Batch
- Receive Alerts
- **Medical Staff**
 - Request Items
 - View Request Status
- **Vendor**
 - Supply Items
 - Confirm Delivery

Textual Use Case Example:

Actor	Use Case	Description
Admin	Manage Inventory	Add, edit, delete inventory items and update thresholds
Pharmacist	Issue Inventory	Dispense items to medical staff based on requests
Medical Staff	Request Item	Raise a request for medicines or equipment
System	Send Alert	Notify when stock is low or nearing expiry
Vendor	Fulfill Order	Deliver items based on purchase orders