

# Project Design Phase-II

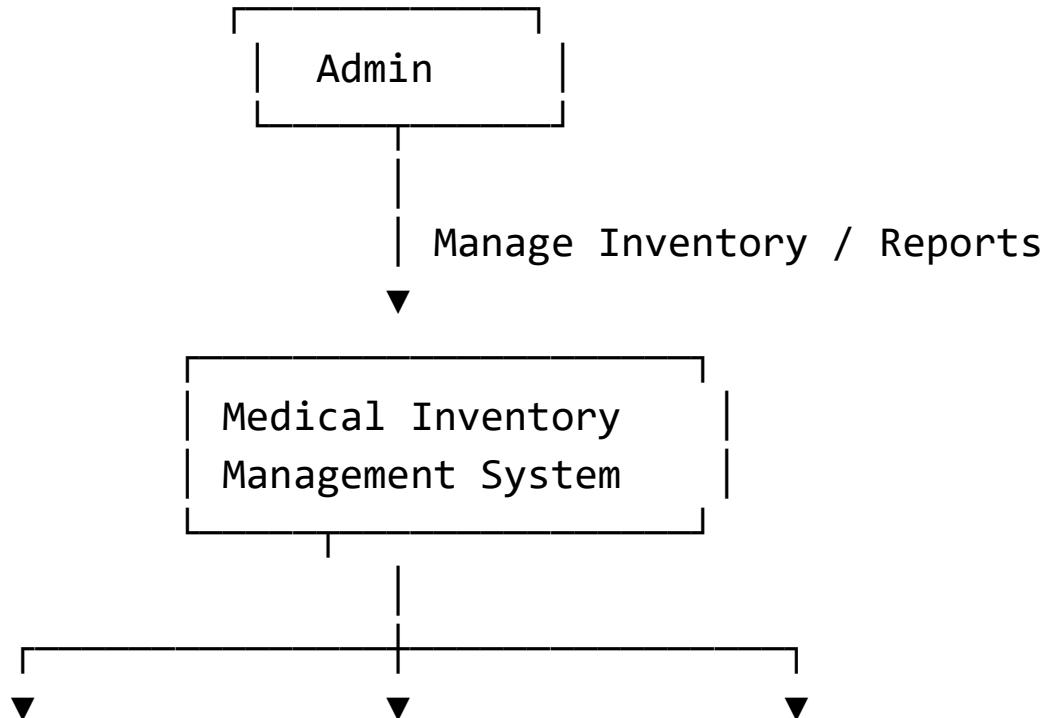
## Data Flow Diagram & User Stories

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

### 1. Data Flow Diagram (DFD)

#### Level 0 (Context Diagram)

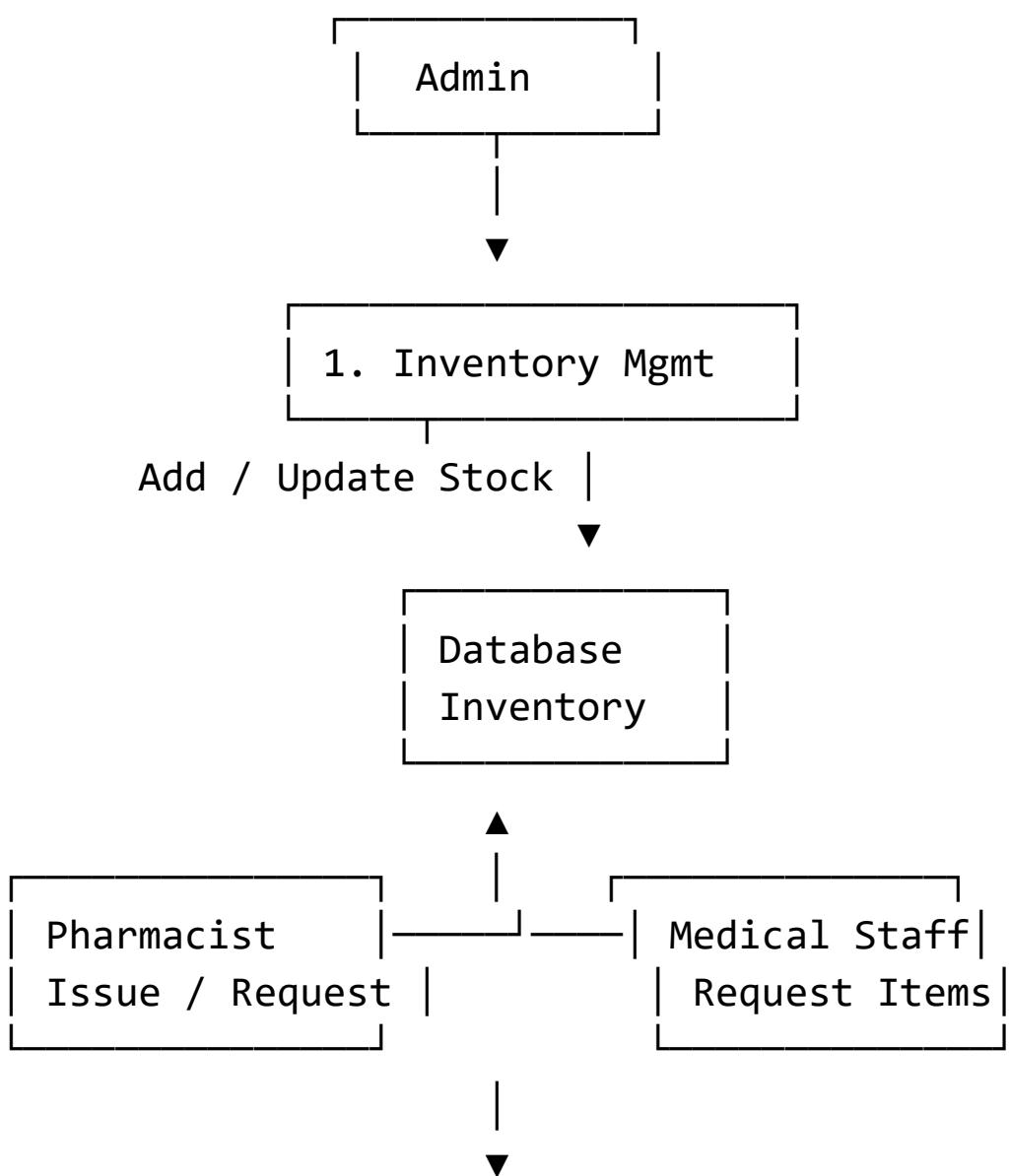
Shows the system as a single process interacting with external entities.

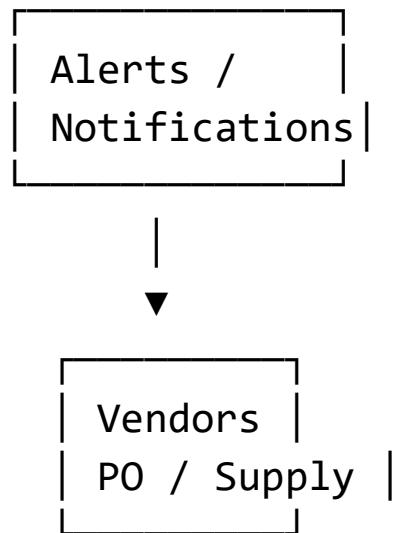




### Level 1 DFD

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:**

<b>Actor</b>	<b>Use Case</b>	<b>Description</b>
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