

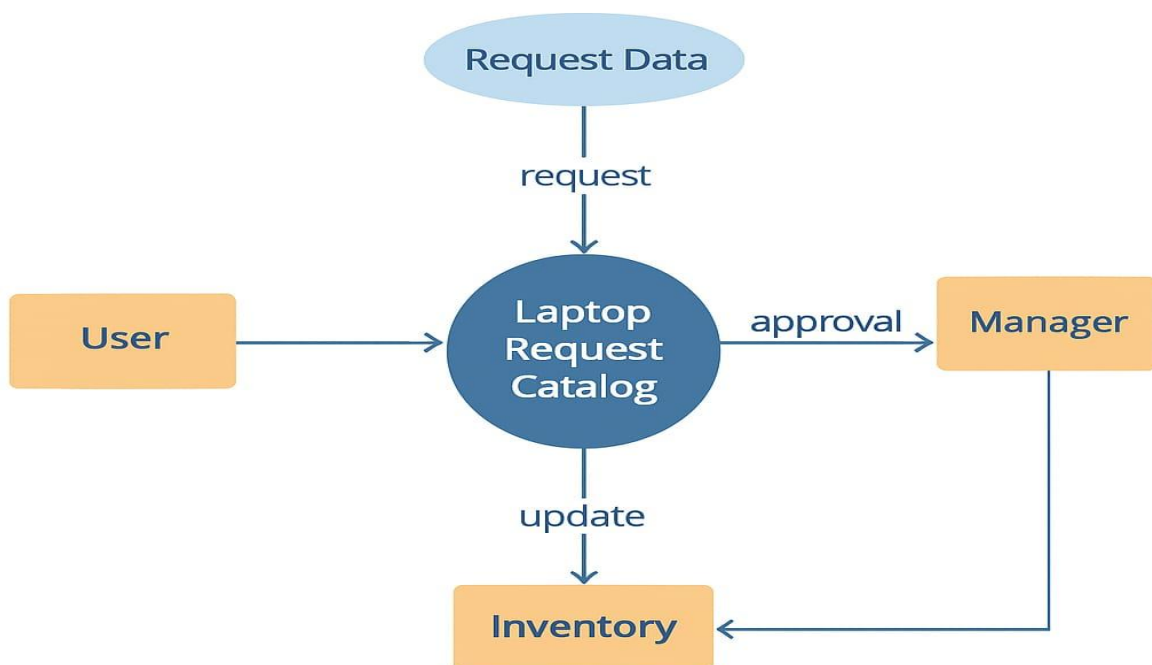
# Project Design Phase-II

## Data Flow Diagram & User Stories

|               |                             |
|---------------|-----------------------------|
| Date          | 31 January 2025             |
| Team ID       | LTVIP2025TMID30301          |
| Project Name  | Laptop Request Catalog Item |
| Maximum Marks | 4 Marks                     |

### Data Flow Diagrams:

The Data Flow Diagram (DFD) for the Laptop Request Catalog illustrates the movement of data between various system entities and components involved in processing a laptop request. The process begins with a User initiating a request, which generates Request Data that flows into the Laptop Request Catalog system. This central system component handles all logic for managing laptop requests. Upon receiving the request, it forwards the necessary information to the Manager for approval. Once the manager approves the request, the system updates the Inventory with the new status or allocation details of the laptop. The Inventory reflects real-time stock changes and sends feedback back into the system if needed. This DFD showcases clear interaction between the external entities (User and Manager), data stores (Request Data and Inventory), and the primary processing unit (Laptop Request Catalog), ensuring efficient workflow and traceability across the request lifecycle.



Laptop Request Catalog

## User Stories

Use the below template to list all the user stories for the product.

| User Type         | Functional Requirement (Epic) | User Story Number | User Story / Task   | Acceptance criteria  | Priority | Release  |
|-------------------|-------------------------------|-------------------|---|--|----------|----------|
| Employee (User)   | Laptop Request                | USN-1             | As a user, I can submit a laptop request by filling out a request form.             | The request is recorded and visible to the manager.                  | High     | Sprint-1 |
| Employee (User)   | View Request Status           | USN-2             | As a user, I can view the status of my laptop request.                              | The system shows request status: pending/approved/rejected.          | Medium   | Sprint-2 |
| Manager           | Approve/Reject Requests       | USN-3             | As a manager, I can review and approve or reject laptop requests.                   | Approval or rejection updates request status and notifies the user.  | High     | Sprint-1 |
| Inventory Officer | Update Inventory              | USN-4             | As an inventory officer, I can update the laptop stock after a request is approved. | Inventory levels decrease based on allocation.                       | High     | Sprint-2 |
| System            | Notification                  | USN-5             | As a system, I can send notifications to users and managers when a request is made. | Users and managers receive email or system notifications.            | Medium   | Sprint-2 |
| Admin             | Audit & Reporting             | USN-6             | As an admin, I can generate reports of all laptop requests and their statuses.      | Reports show requests, approvals, rejections, and inventory updates. | Low      | Sprint-3 |
| Admin             | Manage Users                  | USN-7             | As an admin, I can add or remove users and managers from the system.                | User access levels are reflected correctly in the system.            | Medium   | Sprint-3 |
| Employee (User)   | Cancel Request                | USN-8             | As a user, I can cancel my laptop request before it is approved.                    | Request status changes to "cancelled" and is no longer editable.     | Low      | Sprint-2 |