

**Project Design Phase-II**

**Data Flow Diagram & User Stories**

**Team ID:** NM2025TMID04287

**Project Name:** Laptop Request Catalog

**Maximum Marks:** 4 Marks

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a visual representation of how information flows through the system. It depicts how data enters, is processed, and leaves the system. In the project 'Laptop Request Catalog', DFDs illustrate how user requests for laptops are submitted, validated, approved, and fulfilled by the IT Asset Team. The DFD shows the interaction between the User, Manager, IT Asset Team, and ServiceNow system to ensure an efficient, automated, and trackable laptop request process.

**Example DFD shown below:**

# Laptop Request Catalog

Date 30 November 2025

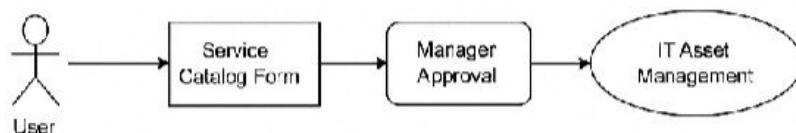
Version 1.0

## Data Flow Diagrams

A Data Flow Diagram (DFD), a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically.

In project to "Laptop Request Catalog", DFDs illustrate how requests for laptops are managed. DFD shows the interaction between user, manager, and IT Asset Management processes to validate and process laptop requests before they are fulfilled.

Example DFD shown below:



## User Stories:

User stories define what different users need from the system in simple, goal-focused language. In this project, they help ensure the system blocks user deletion only when necessary, protects sensitive data, and handles requests efficiently.

User Type	Functional Requirement (Epile)	User Story / Task	Acceptance criteria	Priority
Administrator	User Management	As an admin, I want to review laptop requests submitted by users.	Requests should be displayed in admin console.	High
System (Auto-check)	Validation before Approval	As a system, I must verify if the request is approved by the manager.	Approval must be confirmed before processing.	High

## User Stories:

User stories define what different users expect from the system in simple, goal-focused language. In this project, they help ensure that laptop requests are processed efficiently, validated properly, and approved before fulfillment. Each user story includes clear acceptance criteria and priority.

User Type	Functional	User Story /	Acceptance	Priority

	Requirement (Epic)	Task	Criteria	
Employee	Laptop Request Submission	As an employee, I want to request a laptop using the Service Catalog form so that I can get the device for work.	The form should collect all necessary details such as model, duration, and justification.	High
Manager	Approval Workflow	As a manager, I want to review and approve or reject laptop requests submitted by my team members.	Requests should move forward only after manager approval.	High
IT Asset Team	Asset Assignment and Tracking	As an IT Asset Team member, I want to assign laptops to approved requests and update inventory accordingly.	The system must reflect assigned assets and send notifications after completion.	High
System (Auto-check)	Validation & Notification	As a system, I must ensure all approvals are completed before assignment and trigger email notifications.	Notifications must be sent automatically to the user and manager upon approval and assignment.	Medium