Project Design Phase-II
Data Flow Diagram & User Stories

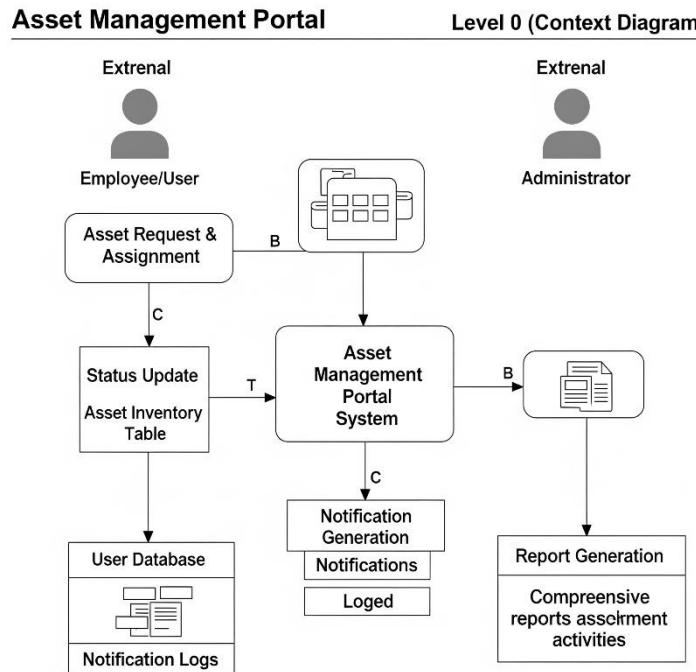| Date	19 February 2026
Team ID	LTVIP2026TMIDS37339
Project Name	Asset Management Portal
Maximum Marks	4 Marks

◻ Data Flow Diagrams – Asset Management Portal

A Data Flow Diagram (DFD) visually represents how data moves through the Asset Management Portal. It illustrates how users interact with the system, how data is processed, and where it's stored.
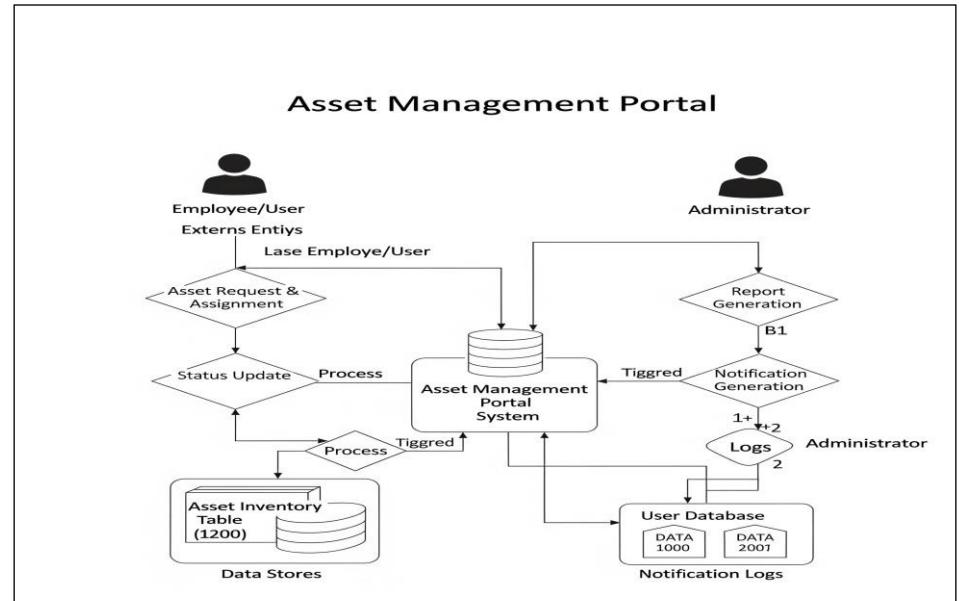
◻Level 0 DFD (Context Diagram)

- ◻ **Actors:**

    - o **Employee/User**

    - o **Administrator**

- ◻ **Processes:**

    - o **Asset Request & Assignment**

    - o **Status Update**

    - o **Notification Generation**

    - o **Report Generation**

- ◻ **Data Stores:**

    - o **Asset Inventory Table**

    - o **User Database**

    - o **Notification Logs**

Example: (Simplified)

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 (Web)	Asset Request System	USN-1		As an employee, I can request an available asset by submitting a form.	Request form		submitted High successfully; confirmation	
		USN-2	As an employee, I can view my current asset assignment history.		List of previously assigned assets is visible.		High	Sprint-1
		USN-3	As an admin, I can mark assets as Lost, Damag		Asset status is updated and reflected immediately in the table.		Low	Sprint-2
		USN-4	As an admin, I receive emails when asset warranties are near expiry.		Email triggered when expiry is within 30 days.		Medium	Sprint-1
	Login	USN-5	As an admin, I can view pie chart reports of available vs assigned assets		Visual report generated with proper grouping.		High	Sprint-1
	Dashboard	USN-6	As an admin, I can search/filter assets based on type, user, and status.		Filtered results shown dynamically.		Medium	Sprint-1
Admin (Web)	Scheduled Job Mon	USN-7	As an admin, I can run warranty alert jobs manually using background scripts.		Job executes and logs confirmation in the system log		High	Sprint-3
Admin/Employee	Access Control	USN-8	As a user/admin, I should only see functions based on my role.		Restricted access based on user role in ServiceNow ACL.		Medium	Sprint-1
Administrator								