

Project Design Phase-II

Data Flow Diagram & User Stories

Date	29 June 2025
Team ID	LTVIP2025TMID30344
Project Name	Asset Management Portal
Maximum Marks	4 Marks

Data Flow Diagrams – Asset Management Portal

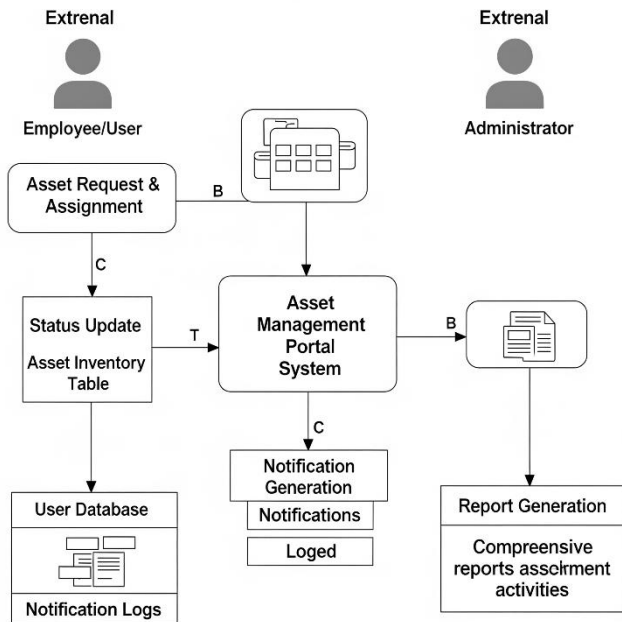
A Data Flow Diagram (DFD) visually represents how data moves through the Asset Management Portal. It illustrates how users interact with the system, how data is processed, and where it's stored.

Level 0 DFD (Context Diagram)

- **Actors:**
 - Employee/User
 - Administrator
- **Processes:**
 - Asset Request & Assignment
 - Status Update
 - Notification Generation
 - Report Generation
- **Data Stores:**
 - Asset Inventory Table
 - User Database
 - Notification Logs

Example: (Simplified)

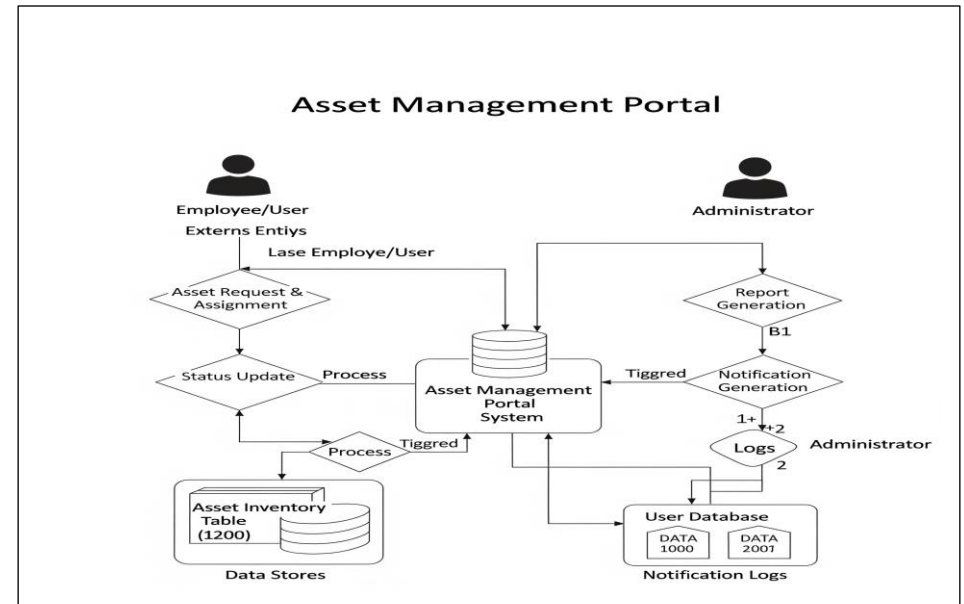
Asset Management Portal Level 0 (Context Diagram)



User Stories

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

Example: DFD Level 0 (Industry Standard)



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 successfully;	High	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, Damaged	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 Monitor	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						