

Project Design Phase-II

Data Flow Diagram & User Stories

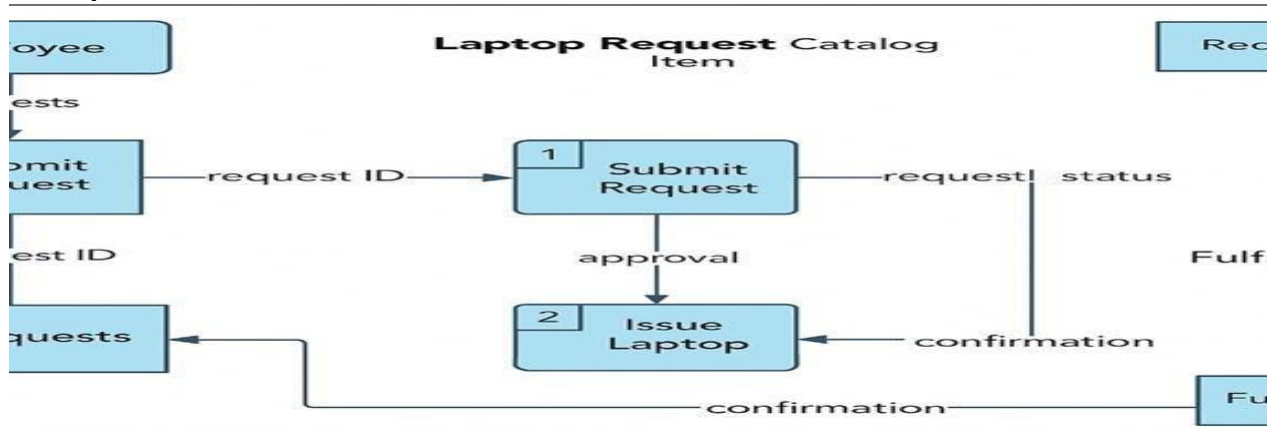
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|---------------|-----------------------------|
| Date | 7 November 2025 |
| Team ID | NM2025TMID09128 |
| Project Name | Laptop Request Catalog Item |
| Maximum Marks | 4 Marks |

Data Flow Diagrams:

A Data Flow Diagram (DFD) is 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. It shows how data enters and leaves the system, what changes the information, and where data is stored.

In the project "Prevent User Deletion if Assigned to an Incident", Data Flow Diagrams (DFDs) illustrate how user deletion requests are processed within the system. The DFD shows the interaction between the admin, the system, and the incident database to validate whether a user is assigned to any active incidents. If the user is linked to an incident, the system blocks the deletion request to maintain data integrity and accountability.

Example:



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, protecting incident data.

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---------------------|-------------------------------|-------------------|--|---|----------|----------|
| Employee | Catalog Request Creation | USN-1 | As an employee, I want to submit a laptop request through the catalog so that I can get a system for work. | The system should allow employees to submit requests with necessary details like Laptop Type, Purpose, and Justification. | High | Sprint-1 |
| IT Fulfillment Team | Laptop Allocation | USN-2 | As an IT fulfillment member, I want to receive approved requests so that I can assign and deliver laptops efficiently. | Approved requests should automatically appear in IT Fulfillment's queue for processing. | High | Sprint-1 |
| Administrator | Reporting and Audit Logs | USN-3 | As an admin, I want to view reports and audit logs for all laptop requests. | The system should generate reports on request history, approval flow, and completion. | Medium | Sprint-2 |