

Example:

Project Design Phase-II
Data Flow Diagram & User Stories

Date	30 OCTOBER 2025
Team ID	2F2CA610622DBCB9AF44E9641A0CB552
Project Name	LEASE MANAGEMENT
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a visual representation of how data moves within a system.

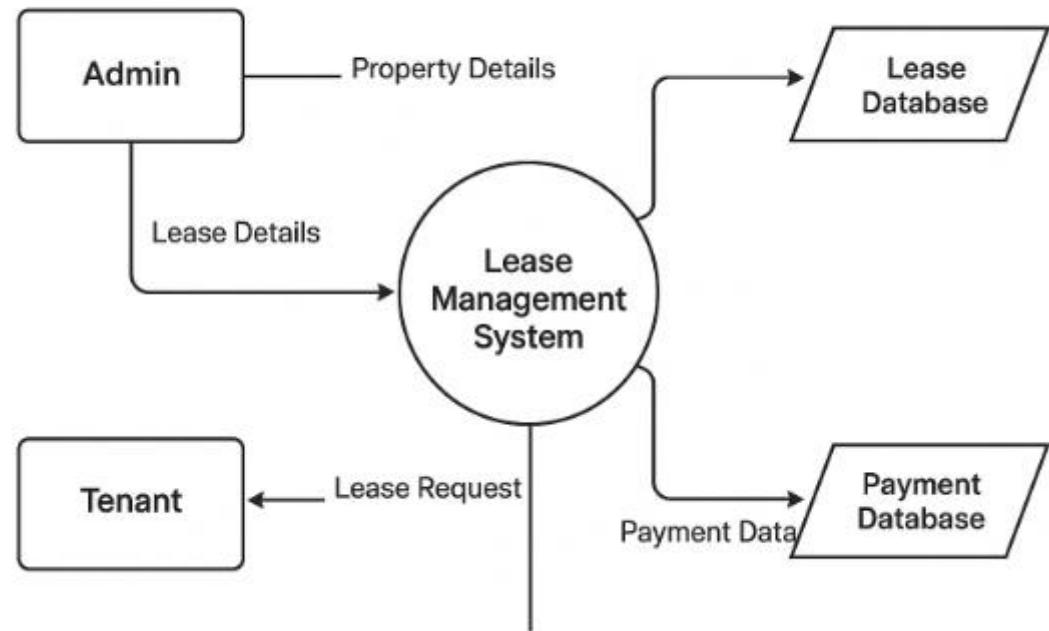
It shows where data comes from, how it is processed, where it is stored, and where it goes.

A clear and well-structured DFD helps understand the flow of information and the interaction between system entities.

In the “Lease Management System” project, Data Flow Diagrams illustrate how information such as tenant details, property records, payments, and maintenance requests flow through the system.

It shows how admins, tenants, and property owners interact with the system to manage leases, payments, and property-related activities.

Example:



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Example Description (Lease Management System DFD)

1. Admin enters property and lease details into the system.
2. Tenants register and submit lease requests for available properties.
3. The system processes the lease request, stores information in the Lease Database, and generates a digital lease agreement.
4. The tenant makes monthly rent payments, and the system updates the Payment Database.
5. For any issue, the tenant raises a maintenance request which is logged and assigned for resolution.
6. The system maintains all data (tenants, properties, payments, and maintenance logs) in the database for tracking and reporting.

User Stories:

User Stories describe what different users expect from the Lease Management System in a simple, goal-oriented way.

They ensure that the system meets practical user needs like property registration, rent payment, and maintenance tracking.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Administrator	Property Management	USN-1	As an admin, I want to add and manage property details so that tenants can view and apply for leases.	The system should allow the admin to create, update, and delete property records.	High	Sprint-1
System (Auto-check)	Lease Request	USN-2	As a tenant, I want to view available properties and request a lease online.	The system should allow the tenant to submit lease requests and receive confirmation of approval or rejection.	High	Sprint-1
Incident Manager	Alert Notification	USN-3	As a system, I must validate lease details before generating a lease agreement.	The system should verify tenant data and property availability before finalizing the lease.	Medium	Sprint-2