

Requirement Analysis Phase

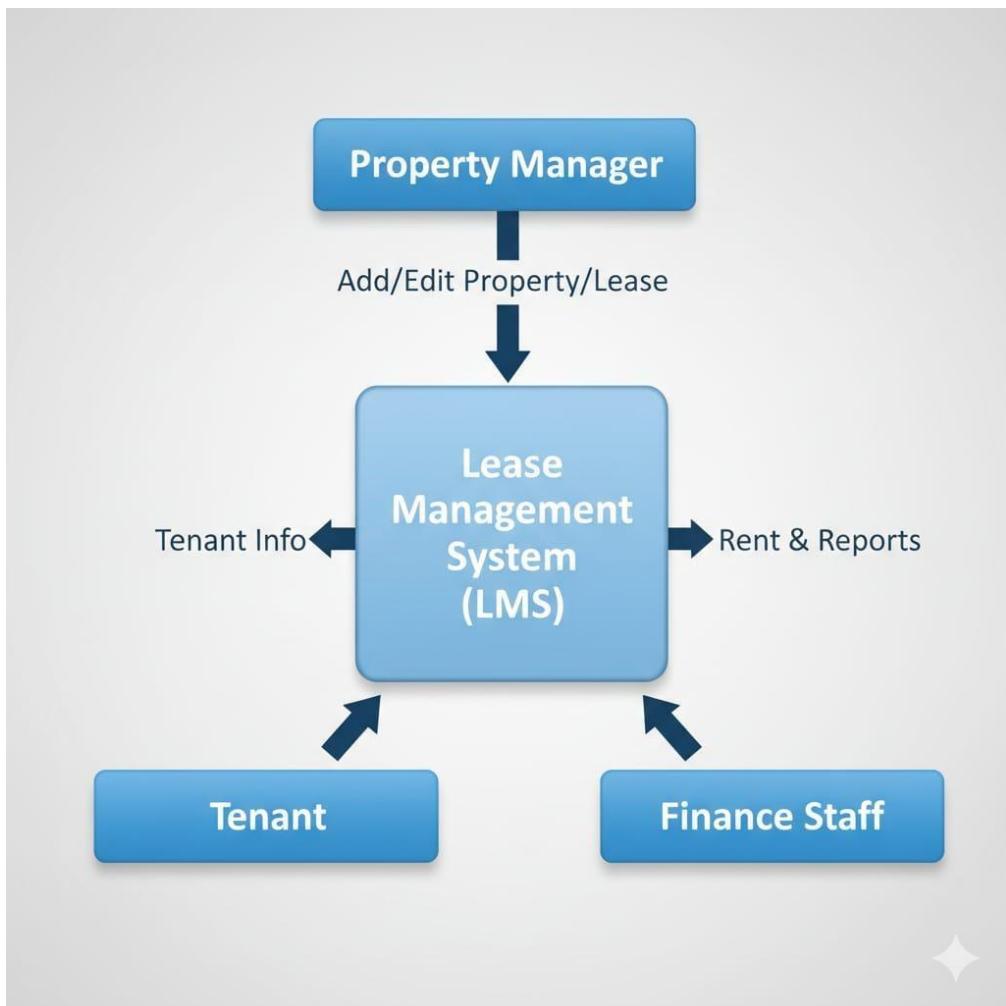
Data Flow Diagram

Date	07-11-2025
Team ID	NM2025TMID06244
Project Name	Lease Management

1. Introduction

A Data Flow Diagram (DFD) represents how data moves through the Lease Management System (LMS). It visualizes Data sources and destinations , System processes , Data stores , Data movement between modules . This helps in understanding system workflow and ensuring efficient design.

2. Level 0 DFD (Context Diagram)



Explanation

Property Manager enters property & lease data

Tenant interacts for maintenance & rent notifications

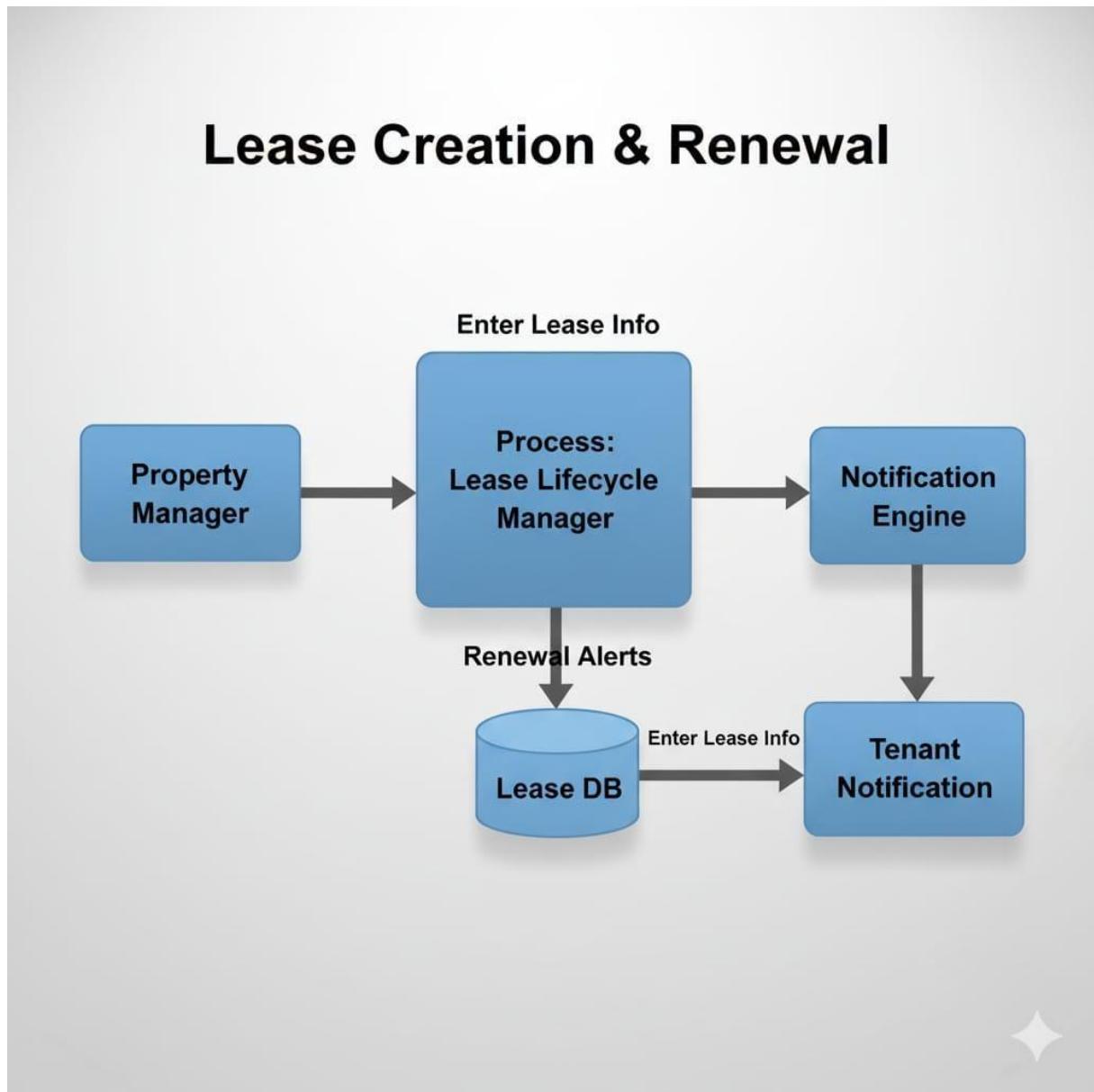
Finance Staff monitors invoices & payments

3. Level 1 DFD

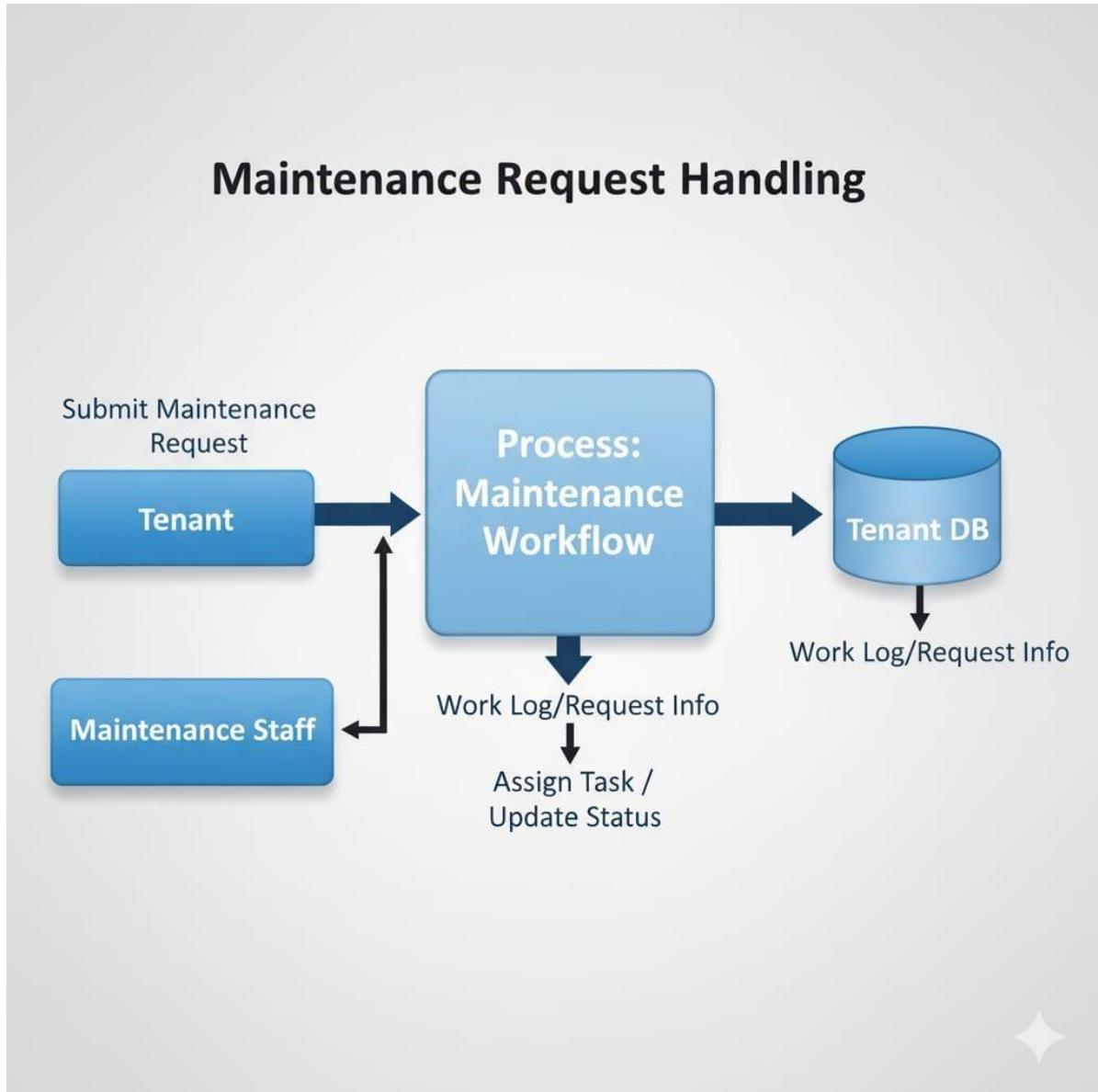
3.1 Lease & Tenant Management



3.2 Lease Creation & Renewal



3.3. Maintenance Request Handling



4. Data Flow Summary

Data Input	Process	Output
Tenant info	Tenant module	Tenant record
Lease info	Lease module	Lease agreement, reminders
Rent info	Billing system	Invoice, payment logs
Complaints	Maintenance module	Work assignment & tracking

5. Conclusion

The DFD demonstrates how LMS processes tenant, lease, payment, and maintenance data across the system. It confirms Clear flow of information , Automated alerts and reminders , Organized data storage in Salesforce , Smooth interaction between users and the system . This structured data flow ensures improved efficiency, transparency, and reliable lease lifecycle management.