

Project Design Phase-II

Data Flow Diagram & User Stories

Date	2-11-2025
Team ID	NM2025TMID06722
Project Name	Lease Management System using Salesforce

Data Flow Diagrams (DFD)

A Data Flow Diagram (DFD) graphically depicts how data moves through your lease management system. It shows how tenants, property managers, and the Salesforce platform interact to manage properties, leases, payments, and requests.

High-Level Data Flow:

1. **Tenant** requests lease/leave or submits payment.
2. **System** receives record, validates input (e.g., lease dates).
3. **Manager/Admin** reviews requests; system automates approval/rejection if criteria met.
4. **System** sends emails (reminders/notifications) to tenants and managers.
5. **Lease/Payment records** updated accordingly in Salesforce, with audit tracking.

Example Process:

- Tenant submits a leave request → Flow triggers approval process → Manager receives/email & acts → System updates status & sends email based on decision.

User Stories

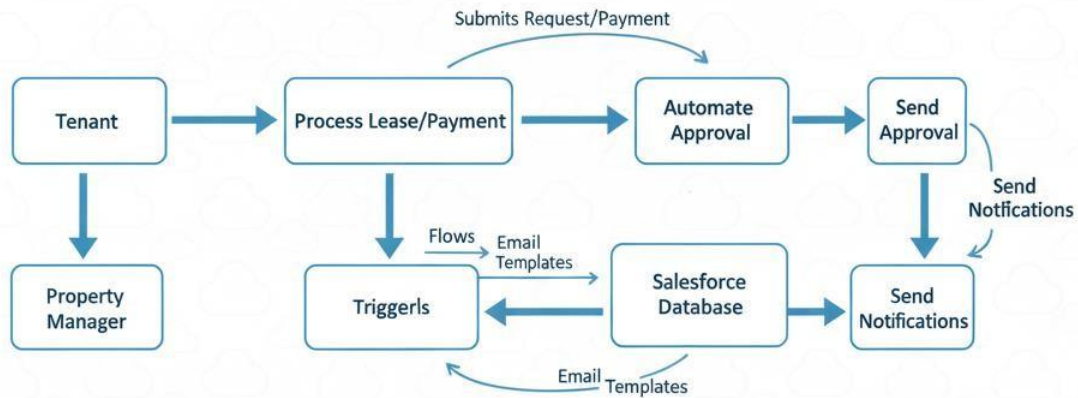
User stories define objectives for each role, focusing on clear goals and acceptance criteria to ensure the system meets user needs.

User Type	Functional Requirement	Epic	User Story Number	User Story Task	Acceptance Criteria	Priority	Release
Admin	Lease Object Management	Data Modeling	USN-1	As an admin, I want to create/manage property, tenant, lease, and payment records in Salesforce.	Can add/edit/delete records; UI visible in Lightning App	High	Sprint -1
Admin	Automation & Validation	Business Logic	USN-2	As an admin, I want validation rules so mistakes (e.g., invalid lease dates, duplicate tenants/property) are blocked.	Errors shown on bad data input	High	Sprint -2
Manager	Approval Workflow	Communication	USN-3	As a manager, I want to approve/reject tenant leave requests and see automated workflow status.	Approval triggers correct email, status updates	High	Sprint -3
Tenant	Lease/Leave Requests	User Experience	USN-4	As a tenant, I want to request leave online and get real-time updates on my application.	Tenant receives notification and approval/rejection email	High	Sprint -3
System	Scheduled Reminders	Automation	USN-5	As a system, I need to send monthly payment reminders with updated record status	Reminders sent, logs updated	High	Sprint -3

				and audit logs.			
Manager/Admin	Dashboard & Reporting	Reporting	USN-6	As a manager/admin, I want a dashboard to see all property, tenant, payment status at a glance.	Up-to-date dashboard, exportable data	Medium	Sprint -4



Salesforce Lease Management: Data Flow & User Stories



User Stories

User Type	User Story Task	Acceptance Criteria
Admin	As an admin, I want to create/manage property, tenant, and payment records in Salesforce.	Can add/edit/delete records; UI visible in Lightning App
Admin	As an admin, I want validation rules so mistakes (e. g. invalid lease dates, duplicate tenants/property) are blocked.	Errors shown on bad data input
Manager	As a manager I want approve/reject tenant requests and see automated workflow status.	Approval triggers correct email, status updates
Tenant	As a tenant, I want to request tenant leave online and get real-time updates on my application.	Tenant receives notification and approval/rejection email
System	As a system, I need to send monthly payment reminders with up-to-date and audit logs.	Reminders sent, logs updated
Manager/Admin	As a manager/Admin, I want a dashboard to see all property, tenant, payment status at a glance	Up-to-date dashboard, exportable data