

REQUIREMENT ANALYSIS

Solution Requirements

Date	04 November 2025
Team ID	NM2025TMID06704
Project Name	LEASE MANAGEMENT SYSTEM
Maximum marks	4

Functional Requirements

FR No.	Functional Requirement	Epic	Sub Requirement	Story / Sub-Task
FR- 1	Object Management	Data Modeling	Create/Manage Objects	Admin can create and configure Property, Tenant, Lease, and Payment custom objects in Salesforce.
FR- 2	Relationship Modeling	Data Integrity	Establish Relationships	Master-detail and lookup between Tenant—Property, Payment—Tenant, etc.
FR- 3	Validation Rules	Business Rules	Date/Assignment Checks	Lease end date must be after start date; only one tenant per property enforced by trigger.
FR- 4	Email Automation	Communication	Notification Templates	Email templates for rent reminders, approvals, payment confirmation, leave requests, etc.
FR- 5	Process Automation	Workflow & Scheduling	Flows and Apex Classes	Flows for record updates, scheduled Apex for monthly payment reminders.

FR- 6	Approval Process	Compliance	Leave Request Workflow	Multi-level approval process for tenant leave/termination requests.
FR- 7	User Interface	Lightning Experience	Tabs & App Navigation	Custom Lightning App and tabs for clear access to all objects.
FR- 8	Reporting & Audit	Visibility	Dashboards, History	Dashboards and field history tracking for audit and management.

Non-Functional Requirements

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface (Lightning App, tabs, flows) should be intuitive for admins and users.
NFR-2	Security	Access controls to ensure only authorized users can create, update, approve records.
NFR-3	Reliability	All automations must process correctly and consistently (e.g., payment reminders).
NFR-4	Performance	Actions (record creation, notification, validations) occur promptly with no delays.
NFR-5	Availability	The app should be available for all users at all times, except for planned maintenance.
NFR-6	Scalability	System should easily support more properties, tenants, and leases as needs grow.
NFR-7	Auditability	All actions and critical field changes should be recorded for traceability.