

# Project Design Phase-II

## Solution Requirements (Functional & Nonfunctional)

Date: 07 NOVEMBER 2025

Team ID: NM2025TMID08510

Maximum Marks: 4 Marks

PROJECT NAME:LEASE MANAGEMENT SYSTEM

### FUNCTIONAL REQUIREMENT

#### **FR**Functional

#### Sub Requirement (Story / Sub-Task)

##### No. Requirement (Epic)

Property Management	Create, update, and delete property records FR-I (with type, address, sq.ft, etc.)
FR-2 Tenant Management	Register, update, and manage tenants with contact details and status (Stay/Leaving)
FR-3 Lease Management	Create and manage lease agreements with start and end dates
FR-4 Payment Management	Record and track payments for each tenant and lease
FR-5 Email Notifications	Send automated emails for payment reminders, confirmations, and lease events
FR-6 Approval Process	Implement approval workflow for tenant leave requests
FR-7 Validation Rules	Ensure lease end date is greater than start date; prevent invalid data entry
Automation (Flows & Triggers)	Automate monthly payment reminders and prevent duplicate tenant-property assignments

# NON-FUNCTIONAL REQUIREMENT

NFR Non-Functional

No.	Requirement	Description
	NFR-	
1	Usability	The interface (Lightning App) should be intuitive and easy to use for admins and property managers.
	NFR-	
2	Security	Only authorized users can view or modify lease and tenant data; sensitive data must be secured.
	NFR-	
3	Reliability	The system must accurately track leases, payments, and approval status without data loss.
	NFR-	
4	Performance	All operations (record creation, email automation, validations) must execute without noticeable delay.
	NFR- Availability	The system should be accessible to users at all times to manage leases and payments.
5		The system must support an increasing number of properties, tenants, and payments without performance degradation.
	NFR-	
6	Scalability	All components (objects, flows, triggers) should be easy to update and extend for future enhancements.
	NFR-	
7	Maintainability	