

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

FRFunctional		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
FR-8	Automation (Flows & Triggers)	Automate monthly payment reminders and prevent duplicate tenant-property assignments

NON-FUNCTIONAL REQUIREMENT

NFR Non-Functional		Description
No.	Requirement	
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-5	Availability	The system should be accessible to users at all times to manage leases and payments.
NFR-6	Scalability	The system must support an increasing number of properties, tenants, and payments without performance degradation.
NFR-7	Maintainability	All components (objects, flows, triggers) should be easy to update and extend for future enhancements.