Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	02 November 2025
Team ID	NM2025TMID08819
Project Name	Lease Management
Maximum Marks	4

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR NO.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Property & Tenant Onboarding	Add New Property Details. Register New Tenant Profile. Upload Lease Agreement Document.
FR-2	Lease Agreement Management	Generate Standard Lease Agreement. Track Lease Start and End Dates. Handle Lease Renewals.
FR-3	Rent & Payment Tracking	Automate Monthly Rent Invoicing. Record Tenant Payments. Track Pending Dues and Late Fees.
FR-4	Maintenance Request Handling	Tenant can submit a maintenance request. Assign requests to maintenance staff. Track request status (Open, In-Progress, Resolved).
FR-5	Automated Notifications & Alerts	Send payment reminders to tenants. Notify manager of overdue payments.

		Alert for upcoming lease expirations.
FR-6	Reporting & Analytics	Generate Monthly Revenue Reports. View Occupancy Rates. Export Financial Data.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface should be intuitive for property managers and tenants with minimal training.
NFR-2	Security	Tenant data and financial information must be encrypted; role-based access control.
NFR-3	Reliability	The system must accurately calculate rents, dues, and generate correct reports.
NFR-4	Performance	Payment processing and report generation should be fast, even with large data sets.
NFR-5	Availability	The system should be accessible 24/7 for tenants and managers.
NFR-6	Scalability	The system should support an increasing number of properties and tenants efficiently.