

Solution Requirements

Date	27 October 2025
Team ID	NM2025TMID03953
Project Name	Lease Management System
Maximum Marks	4 Marks

Functional Requirements:

Functional requirements define what the system should do. They describe the specific features, functions, and operations that the system must perform to fulfill user and business needs.

ID	Requirement Description
FR-01	The system shall allow the admin to create and manage Property, Tenant, Lease, and Payment records.
FR-02	The system shall enable tenants to view lease details, payment history, and due dates.
FR-03	The system shall send automated email notifications for lease approvals, rejections, and monthly payments.
FR-04	The system shall include approval processes for lease initiation, renewal, and vacancy approvals.
FR-05	The system shall implement validation rules to prevent incomplete or invalid data entry.
FR-06	The system shall schedule Apex jobs to automate monthly payment reminders.
FR-07	The system shall generate reports summarizing active leases, payment status, and tenant records.
FR-08	The system shall allow admins to manage user roles and permissions (Owner, Tenant, Admin).

Non-Functional Requirements:

Non-functional requirements describe how the system should perform. They focus on system qualities such as performance, security, usability, scalability, and reliability.

ID	Requirement Description
NFR-01	The system shall ensure data security using Salesforce role-based access control.
NFR-02	The system shall provide high performance with fast processing of records and workflows.
NFR-03	The system shall be scalable to handle a growing number of properties and tenants.
NFR-04	The system shall maintain data integrity between linked objects such as Lease and Tenant.
NFR-05	The system shall provide an intuitive and user-friendly Salesforce Lightning interface.
NFR-06	The system shall ensure reliability and prevent data loss during automated operations.
NFR-07	The system shall perform periodic backups according to Salesforce data retention policies.
NFR-08	The system shall ensure timely and accurate delivery of email notifications.

Conclusion:

The **Lease Management System** fulfills both **functional** and **non-functional requirements**, delivering a dependable, efficient, and intuitive platform for handling property leases. The **functional requirements** enable automation of key operations such as lease tracking, approval management, and payment processing. Meanwhile, the **non-functional requirements** ensure aspects like security, scalability, and optimal performance. Together, these elements create a **powerful, seamless, and automated lease management solution** that boosts productivity and enriches user experience.