

# SOLUTION REQUIREMENTS

Date	02 November 2025
Team ID	NM2025TMID03695
Project Name	Lease Management System
Maximum Marks	4 Marks

## Functional Requirements

The functional requirements define the system's core operations, including **tenant and property management, lease tracking, payment processing, and document handling**. These features ensure efficient workflow automation, accurate record maintenance, and seamless communication between tenants and administrators within the **Lease Management System** using Salesforce tools.

Functionality	Description
Tenant Management	Allows administrators to add, update, and manage tenant information, including personal details and contact info.
Property Management	Stores and organizes property details such as address, unit type, lease duration, and rent amount.
Lease Agreement Management	Enables creation, renewal, and termination of lease agreements with automated tracking of start and end dates.
Payment Processing	Handles rent collection, payment tracking, and invoice generation using Apex and Validation Rules.
Document Management	Uploads, stores, and retrieves lease-related documents securely using Salesforce Files and Attachments.
Notifications & Alerts	Sends automated reminders for rent due dates, lease renewals, and document submissions through Flows and Email Alerts.
Role-Based Access	Ensures data privacy and security by restricting access based on user roles (Admin, Owner, Tenant).
Reports & Dashboards	Generates real-time reports and visual dashboards for performance monitoring and decision-making.

## Non-Functional Requirements

The non-functional requirements focus on **performance, security, usability, and scalability**. They ensure the **Lease Management System** operates efficiently, safeguards sensitive tenant and property data, and remains adaptable to future business expansion — all while providing a smooth and reliable user experience within the Salesforce environment.

Requirement	Description
Performance	The system should process lease operations, payments, and reports quickly without delays, even as data volume grows.
Security	Ensures all tenant and property data is protected using Salesforce authentication, profiles, and permission sets.
Usability	Provides an intuitive and easy-to-navigate interface for admins, property owners, and tenants.
Scalability	Supports future expansion by accommodating additional properties, tenants, and lease records without performance loss.
Reliability	Maintains consistent uptime and ensures that all critical operations like payment and renewal tracking run smoothly.
Availability	Offers 24/7 cloud accessibility through Salesforce, ensuring authorized users can access the system anytime.
Maintainability	Allows easy updates, modifications, and enhancements without affecting system performance.
Data Integrity	Ensures accuracy and consistency of data across all modules through validation rules and automation checks.

## Conclusion

The functional and non-functional requirements together form the foundation of the **Lease Management System**. While the functional requirements define what the system must accomplish—such as managing tenants, properties, and payments—the non-functional requirements ensure that it performs efficiently, securely, and reliably. Together, they establish a robust, user-friendly, and scalable **Salesforce-based solution** for efficient and intelligent lease management operations.