Requirement Analysis Phase

Solution Requirement

Date	07-11-2025
Team ID	NM2025TMID06244
Project Name	Lease Management

1. Introduction

The Solution Requirement phase identifies the functional and non-functional requirements of the Lease Management System (LMS). It outlines what the system must deliver to efficiently manage lease agreements, properties, tenants, payments, workflows, and maintenance requests. These requirements ensure the system aligns with business objectives, enhances user experience, and automates the end-to-end lease lifecycle.

2. Functional Requirements

Module	Functional Requirement	Description
Property Management	FR-1	Admin can add, edit, and categorize property records
Tenant Management	FR-2	Admin can create and manage tenant profiles linked to properties
Lease Agreement	FR-3	User can create lease agreements with start & end date fields
Lease Renewal Alerts	FR-4	System automatically reminds users of upcoming lease expiry
Rent Invoicing	FR-5	System auto-generates monthly rent invoices
Payment Tracking	FR-6	System logs payments and flags overdue payments

Maintenance Requests	FR-7	Tenants can raise service requests
Request Assignment	FR-8	Maintenance tasks assigned to staff automatically
Document Management	FR-9	Lease contracts and documents stored securely in Salesforce
Notifications & Alerts	FR-10	Email/SMS alerts for payments, renewals, and service status
Reporting & Dashboards	FR-11	Admin can view occupancy, revenue, tenant and maintenance dashboards
Role-Based Access	FR-12	Different access levels for Admin, Tenant, and Finance users

3. Non-Functional Requirements

Category	Requirement	Details
Performance	NFR-1	Dashboard load time ≤ 2 seconds
Scalability	NFR-2	System supports unlimited leases, tenants & properties
Security	NFR-3	Role-based access, Salesforce authentication
Reliability	NFR-4	99% service availability
Data Integrity	NFR-5	Data validation on every record entry
Usability	NFR-6	Easy UI for admins & tenants
Maintainability	NFR-7	Future modules (payments integration, mobile app) can be added

Backup & Restore	NFR-8	Daily automated data backup
Compliance	NFR-9	Document storage & access logs maintained for audit

4. User Requirements

User Role	Requirement
Property Manager	Track leases, renewals, and tenants
Finance Officer	View invoices, payments & overdue rents
Tenant	View bills, make requests, receive reminders
Maintenance Staff	Handle assigned repair/service requests
Admin	Manage system configuration, reporting, and roles

5. System Requirements

Software Requirements

Salesforce CRM Platform

Apex, Lightning App Builder, Flow Builder

Salesforce Files for documents

Email/SMS notification system (Salesforce flows)

Hardware Requirements

Laptop/Desktop with browser access

Internet connectivity

Supported Platforms

Web browsers (Chrome, Edge, Firefox, Safari)

Salesforce Lightning UI
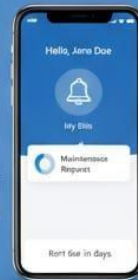
6. Conclusion

The Solution Requirement phase clearly defines all necessary functionalities and performance expectations for the Lease Management System. By satisfying these detailed requirements, LMS will offer a streamlined, reliable, automated, and user-friendly digital solution for managing leases, tenants, payments, and maintenance workflows efficiently on Salesforce.