

REQUIREMENT ANALYSIS

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Project Name	LEASE MANAGEMENT
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1. Overview

The **Salesforce Lease Management System** is designed to automate and streamline the property leasing process. It enables property administrators to manage properties, tenants, leases, and payments efficiently while minimizing manual work and ensuring accurate, real-time communication between tenants and managers.

This document defines the **functional** and **non-functional** requirements that guide the design and implementation of the system.

2. Functional Requirements:

ID	Requirement Description
FR-1	The system shall allow the admin to create and manage Property records.
FR-2	The system shall allow the admin to register and manage Tenant records.
FR-3	The system shall establish a lookup relationship between Property and Tenant.
FR-4	The system shall validate that the Lease End Date cannot be before the Start Date.
FR-5	The system shall automate sending payment confirmation emails when rent is marked “Paid.”
FR-6	The system shall provide an approval process for tenant leave requests.

FR-7	The system shall automatically send monthly rent reminders to tenants via email.
FR-8	The system shall allow users to view all records through the Lease Management App interface.

3. Non-Functional Requirements:

Category	Requirement
Performance	The system should process automation and email triggers within 2 seconds after an event.
Reliability	Scheduled Apex jobs must execute without failure each month.
Usability	The Lightning App should provide an intuitive UI for navigation between Property, Tenant, Lease, and Payment tabs.
Scalability	The system should support future extensions such as maintenance tracking or payment gateway integration.
Security	Data access should follow Salesforce's role-based permissions and profile settings.
Maintainability	Admins should be able to update flows, triggers, and email templates without code modification.

4. Constraints

- The solution must be fully implemented within the Salesforce platform.
- Data communication and automation must rely only on Salesforce Flows, Apex, and Approval Processes.
- Email functionality depends on Salesforce deliverability settings and verified org-wide addresses.

5. Expected Output

A cloud-based Salesforce application that automates tenant management, property assignment, payment tracking, and communication through flows, triggers, and scheduled jobs.