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Project Design Phase-II

Solution Requirements
Functional & Non-functional

Date	04-11-2025
Team ID	NM2025TMID04228
Project Name	Lease Management System Using Salesforce

Functional Requirements

FR No.	Functional Requirement	Epic	Sub Requirement	Story / Sub-Task
FR-1	Object Management	Data Modeling	Create/Manage Objects	Admin can create and configure Property, Tenant, Lease, and Payment custom objects in Salesforce.
FR-2	Relationship Modeling	Data Integrity	Establish Relationships	Master-detail and lookup between Tenant—Property, Payment—Tenant, etc.
FR-3	Validation Rules	Business Rules	Date/Assignment Checks	Lease end date must be after start date; only one tenant per property enforced by trigger.
FR-4	Email Automation	Communication	Notification Templates	Email templates for rent reminders, approvals, payment confirmation, leave requests, etc.
FR-5	Process Automation	Workflow & Scheduling	Flows and Apex Classes	Flows for record updates, scheduled Apex for monthly payment reminders.

FR-6	Approval Process	Compliance	Leave Request Workflow	Multi-level approval process for tenant leave/termination requests.
FR-7	User Interface	Lightning Experience	Tabs & App Navigation	Custom Lightning App and tabs for clear access to all objects.
FR-8	Reporting & Audit	Visibility	Dashboards, History	Dashboards and field history tracking for audit and management.

Non-functional Requirements

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The interface (Lightning App, tabs, flows) should be intuitive for admins and users.
NFR-2	Security	Access controls to ensure only authorized users can create, update, approve records.
NFR-3	Reliability	All automations must process correctly and consistently (e.g., payment reminders).
NFR-4	Performance	Actions (record creation, notification, validations) occur promptly with no delays.
NFR-5	Availability	The app should be available for all users at all times, except for planned maintenance.
NFR-6	Scalability	System should easily support more properties, tenants, and leases as needs grow.
NFR-7	Auditability	All actions and critical field changes should be recorded for traceability.

Summary:
The solution will deliver robust object modeling, automation, validations, notifications, and approvals within the Salesforce platform, with a user-friendly and secure interface that is reliable, high-performing, and scalable.

Copy and adapt this content to match your team, object, or process names and add your project dates as required! If you need bullet points or further breakdowns for each functional area, let me know.