

## Project Design Phase

### Proposed Solution

<b>Date</b>	02 November 2025
<b>Team ID</b>	NM2025TMID08819
<b>Project Name</b>	Lease Management
<b>Maximum Marks</b>	<b>4 Marks</b>

#### Solution Architecture

##### Goals of the Architecture:

- \* Automate and streamline lease management using Salesforce CRM.
- \* Maintain centralized records for property, lease, and customer data.
- \* Enable seamless tracking of lease renewals, payments, and expirations.
- \* Provide role-based access for tenants, landlords, and administrators.
- \* Improve operational transparency and decision-making using dashboards.

##### Key Components:

Salesforce Objects: Custom objects for Leases, Properties, and Tenants.

Automation Tools: Salesforce Flow, Process Builder, and Validation Rules.

Data Model: Relationship between Property → Lease → Tenant.

User Interface: Lightning App Pages with forms, dashboards, and charts.

Notification Engine: Automated reminders for renewals and overdue payments.

Reports & Dashboards: Visual insights for management and performance tracking.

##### Development Phases:

1. Requirement Analysis – Identify data fields, user roles, and automation needs.
2. Object Creation– Create custom Salesforce objects for lease management.
3. Relationship Setup – Establish property–tenant–lease relationships.
4. Automation Design – Build workflows for renewal alerts and payment reminders.
5. Dashboard Implementation – Configure analytics for active leases, payments, and expirations.

6. Testing & Deployment – Test lease lifecycle scenarios and deploy final app.

**Reference:**

1. [<https://trailhead.salesforce.com/>](<https://trailhead.salesforce.com/>)
- 2.[<https://developer.salesforce.com/docs/>](<https://developer.salesforce.com/docs/>)
- 3.[<https://www.naanmudhalvan.tn.gov.in/>](<https://www.naanmudhalvan.tn.gov.in/>)