

Project Design Phase

Proposed Solution

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| Date | 02 November 2025 |
| Team ID | NM2025TMID01386 |
| Project Name | Lease Management |
| Maximum Marks | 4 Marks |

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/
- 2.https://developer.salesforce.com/docs/
- 3.https://www.naanmudhalvan.tn.gov.in/