Project Design Phase

SolutionArchitecture

Date	03November2026
TeamId	NM2025TMID05044
ProjectName	LeaseManagement

SolutionArchitecture:

GoalsoftheArchitecture:

- **Centralizeleasedata**foreasyaccessand accuracy.
- **Automateleaseprocesses** likerenewals,payments, andapprovals.
- **Ensuresecurityandcompliance**withrole-basedaccessandaudittracking.
- **Enableintegrations** withfinancesystemsandpaymentgateways.
- **Providereal-timereportsand dashboards** forbetterdecision-making.

KeyComponents:

- **SalesforcePlatform**–Coresystemtomanageleases,tenants,and payments.
- **AutomationTools** –Flowsandapprovalstoautomatelease renewalsand reminders.
- **Reports&Dashboards** –Real-timetrackingofleasestatusandpayments.
- **Security&Integrations**–Role-basedaccessandlinkstopaymentorfinance systems.

DevelopmentPhases:

- **RequirementGathering** –Understandbusiness needsandlease processes.
- **Design &Development**–Builddatamodels,automation,anduser interfaces.
- **Testing&Deployment** –Verifysystemperformance andmoveto production.
- **Training&Maintenance**–Train usersandensuresmoothongoing operations.

SolutionArchitectureDescription:

The **Lease Management Solution Architecture** is designed to centralize and automate all lease-related activities within Salesforce. It integrates key components like data storage, automation, reporting, and security to streamline the entire lease lifecycle. The system uses **custom Salesforce objects** such as Lease, Tenant, Property, and Payment to store structured information. **Automation tools** like Flows and Approval Processes handle renewals, rent reminders, and approvals without manual effort.A **user-friendly interface** built with Lightning Components allows property managers and financeteams to easily access and update leasedata. The systemalsosupports**integrations**withpaymentgatewaysandERPsystemsforfinancialtracking**Reportsand dashboards** provide real-time insights into lease performance, payments, and renewals. Security is ensured through role-based access control and audit tracking.Overall, the architecture provides a scalable, secure, and efficient solution for managing leaseoperations, improving accuracy, saving time, and enhancing collaboration between teams.

Example-SolutionArchitectureDiagram:

Lease Management System