Date	30 OCTOBER 2025
Team ID	2F2CA610622DBCB9AF44E9641A0CB552
Project Name	LEASE MANAGEMENT
Maximum Marks	4 Marks

Solution Architecture:

Goals of the Architecture

- Ensure data consistency and safeguard records using Business Rules

- Maintain integrity between lease, tenant, and property records

- Automate validation to reduce manual monitoring in lease operations

Key Components

- Lease table – stores lease agreement details

- Tenant table – holds tenant information

- Property table – contains property details linked to leases

- Business Rule (before Delete/Update) – prevents deletion or modification of records that are still linked to active leases

- Script logic – checks if a tenant or property is associated with any active lease before performing database actions

Development Phases

1. Create sample tenants and properties (e.g., Ajay Residency, Green Villas)

2. Create and assign lease agreements linking tenants and properties

3. Implement Business Rule to restrict invalid deletions or updates

4. Test deletion/update cases for linked and unlinked tenants/properties

❌ **Solution Architecture Description**

The Lease Management System Architecture is designed to ensure seamless data integrity across tenant, property, and lease records within the ServiceNow platform. A "before delete/update" Business Rule is implemented on key tables (Tenant and Property) to prevent deletion or modification of records that are actively linked to lease agreements. The script logic automatically checks for existing active leases through relational fields before allowing any data change. If an association is found, the system blocks the action and notifies the user.

This architecture ensures that critical lease relationships remain intact, eliminating the risk of orphaned data. The process includes creating sample records, establishing lease relationships, applying the business rule, and validating system behavior through testing. Overall, this solution promotes operational efficiency, enforces accountability, and enhances reliability in lease management workflows.

Example - Solution Architecture Diagram: