

Project Design Phase
Proposed Solution

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

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<p>In the Lease Management System, tenants or lease records can be deleted even when they are still linked to active lease agreements or pending payments. This causes data loss, confusion in property records, and difficulties in tracking ongoing leases.</p>
2.	Idea / Solution description	<p>A validation business rule is created in the system to prevent deletion of tenant records that are associated with active or pending lease agreements. Before deletion, the system checks for any linked lease entries or dues. If such links exist, the deletion is blocked and a warning message is displayed to the user.</p>
3.	Novelty / Uniqueness	<p>The solution provides an automated validation process that ensures lease integrity without requiring manual checks. It uses native platform functionalities (no third-party integrations) and can be easily customized for multiple property modules.</p>
4.	Social Impact / Customer Satisfaction	<p>The system improves data reliability for property owners, managers, and tenants. It prevents accidental data loss, enhances trust, and maintains transparent lease operations, which increases customer satisfaction.</p>
5.	Business Model (Revenue Model)	<p>While not directly revenue-generating, the solution reduces administrative errors, minimizes disputes between tenants and landlords, and saves operational time — leading to higher efficiency and long-term cost savings.</p>
6.	Scalability of the Solution	<p>The solution can be scaled to handle multiple properties, departments, and regional branches. It can also be enhanced to include automated alerts for lease expiry, renewal notifications, and overdue payment tracking.</p>

Solution Description:

To prevent accidental deletion of tenant or lease records linked to active agreements in the Lease Management System, a custom validation rule is implemented. This rule checks whether the tenant or property has any ongoing lease, pending payments, or renewal requests. If such dependencies exist, the system automatically blocks the deletion and alerts the user with a clear message.

This rule ensures that important lease-related data remains intact and prevents errors that could disrupt financial and legal workflows. The approach is lightweight, fully integrated into the system's logic, and does not require external plugins. It enhances data accuracy, promotes accountability, and supports seamless lease management operations for administrators and property managers.