Project Design Phase

Proposed Solution

Date	02 November 2025
Team ID	NM2025TMID04536
Project Name	Lease Management
Maximum Marks	5 Marks

Proposed Solution

The proposed **Lease Management System** is a Salesforce-based cloud application designed to streamline and automate the leasing process for property owners and tenants.

Core Features:

1. **Centralized Data Storage:**
   - Custom Objects for *Property*, *Tenant*, *Lease*, and *Payment*.
   - Lookup relationships to maintain data linkage.

2. **Automation:**
   - Flows for monthly rent reminders.
   - Scheduled Apex for recurring notifications.
   - Apex Triggers to automate dependent record updates.

3. **Communication:**
   - Predefined Email Templates for approvals, payments, and tenant updates.
   - Email Alerts for both successful and rejected transactions.

4. **Validation & Approval:**
   - Validation rules to prevent incomplete or incorrect data.
   - Approval process for verifying lease renewals and vacant property checks.

5. **Analytics & Reporting:**
   - Real-time dashboards to monitor lease status, payments, and property occupancy.

6. **User Interface (UI):**
   - Custom **Lightning App** for easy navigation and management.
   - Tabs for each object and module for structured access.