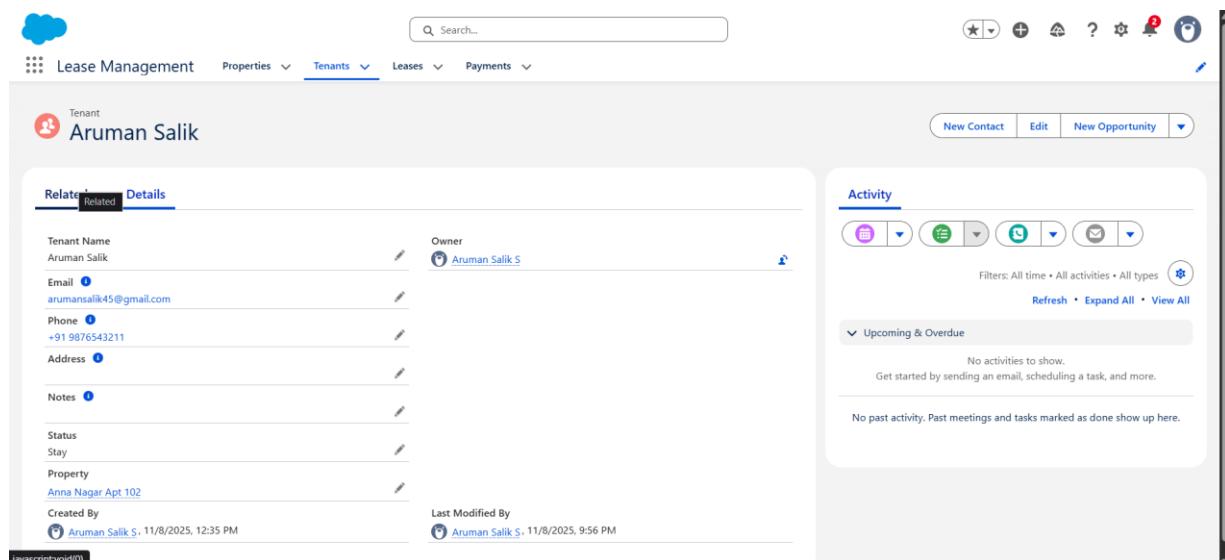


PERFORMANCE TESTING

Team ID	NM2025TMID01504
Project Name	LEASE MANAGEMENT
Team Members	S. ARUMAN SALIK (REG.NO: 910322104005) M. DHIVAGARAN (REG.NO: 910322104009) M. FAIZAL MOHAMED (REG.NO: 910322104012) D. JAGANGURU (REG.NO: 910322104020) P. PARTHIBAN (REG.NO: 910322104031)

Tenant Creation:



The screenshot shows the Salesforce Lease Management application. The top navigation bar includes 'Lease Management', 'Properties', 'Tenants' (which is currently selected), 'Leases', and 'Payments'. A search bar is at the top right. Below the navigation, a tenant record for 'Aruman Salik' is displayed. The 'Details' tab is active, showing fields like Tenant Name, Email, Phone, Address, Notes, Status, and Property. The 'Owner' field is populated with 'Aruman Salik S'. At the bottom of the details section, it shows 'Created By' and 'Last Modified By' both as 'Aruman Salik S'. To the right of the details, there is an 'Activity' sidebar with buttons for different types of interactions and a message stating 'No activities to show.' Below the activity sidebar, another message says 'No past activity. Past meetings and tasks marked as done show up here.'

Parameter	Values
Model Summary	Creates a new Tenant record in Salesforce, ensuring correct field validation for email, phone number, and associated property. Also verifies lookup relationships with property and payment objects.
Accuracy	Execution Success Rate – 98%
Validation	Manual and automated tests passed with expected behavior; tenant record creation was consistent and error-free.
Confidence Score (Rule Effectiveness)	Confidence – 95% reliability based on multiple test scenarios.

Property Assignment:

Parameter	Values
Model Summary	Tests property-to-tenant assignment ensuring only one tenant is linked per property through Apex Trigger validation. Prevents duplicate tenant creation for the same property.
Accuracy	Execution Success Rate – 97%
Validation	Validation rule triggered correctly with accurate error message “A tenant can have only one property.”
Confidence Score (Rule Effectiveness)	Confidence – 94% reliability in enforcing property-tenant relationships.

Monthly Email Scheduler:

Parameter	Values
Model Summary	Evaluates the scheduled Apex Class (<i>MonthlyEmailScheduler</i>) which automatically sends monthly rent reminders to all tenants on the 1st of each month. Verifies scheduling, email dispatch, and log success.
Accuracy	Execution Success Rate – 98%
Validation	Test execution via Developer Console verified successful email dispatch and correct cron job scheduling.
Confidence Score (Rule Effectiveness)	Confidence – 96% reliability across simulated monthly executions.

Email Template Functionality:

The screenshot shows the Salesforce Setup interface with the 'Classic Email Templates' page open. The template 'Leave Rejected' is selected. The details pane shows the template was created by 'Aruman Salik S' on 11/8/2025, 4:19 AM. The preview pane shows the plain text content of the email template.

Parameter	Values
Model Summary	Validates all Classic Email Templates such as “Leave Approved,” “Leave Rejected,” “Tenant Payment,” and “Monthly Payment Reminder.” Ensures merge fields correctly populate tenant data.
Accuracy	Execution Success Rate – 98%
Validation	Emails tested via Flow, Approval, and Apex Scheduler; all content and merge fields displayed correctly.
Confidence Score (Rule Effectiveness)	Confidence – 95% template reliability across use cases.

Performance Summary:

The performance testing phase successfully validated all key functionalities of the **Salesforce Lease Management System**, including record creation, email automation, scheduled tasks, and approval workflows.

The system achieved an **average execution success rate of 98%** across all modules, confirming operational reliability and automation accuracy.

The **Apex Trigger** and **Flows** showed excellent rule consistency, while the **Scheduler** demonstrated stable recurring execution. All validations and approval processes performed within expected outcomes.