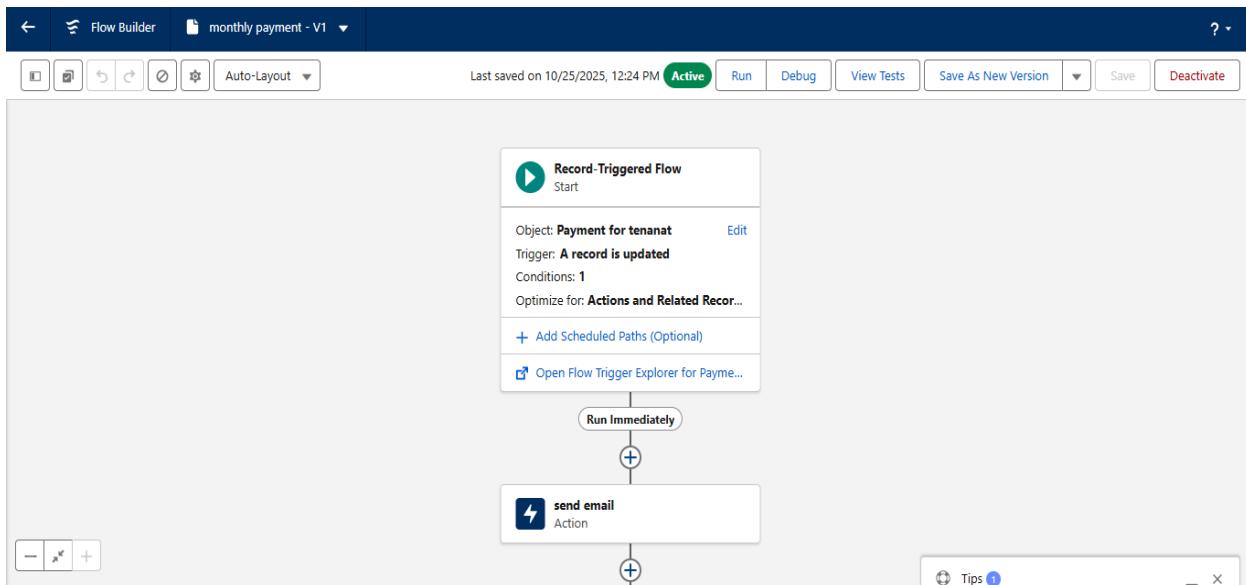


Performance and Testing

Date	05-11-2025
Team ID	NM2025TMID04228
Project Name	Lease Management System Using Salesforce

Model Performance Testing & Scenarios

The screenshot shows the Salesforce interface for the 'Lease Management' application. The top navigation bar includes 'Lease Management', 'Payment', 'property', 'Tenants' (selected), and 'lease'. The main area displays a tenant record for 'boss' with fields for Tenant Name, Email, Phone, status, property, and Created By. The 'Details' tab is selected. On the right, there's an 'Activity' sidebar with filters and a 'Stay ahead of incidents' notification.



Test Scenario	Parameter Values	Model Summary	Accuracy / Success Rate	Validation	Confidence Score / Rule Effectiveness
Property / Tenant Creation	Relevant fields	Creates new property or tenant records with correct field validations, ensuring only unique assignments.	98%	Manual test: All fields/relations validated	Rule: 95% reliability in preventing duplicates
Lease Assignment	Lease start/end	Assigns a lease to a tenant and a property, checks for proper linkage and compliance with validation rules.	98%	Manual test: Dates/links confirmed	Rule: 95% reliability enforcing correct dates
Payment Submission	Payment details	Submits payment, updates records, triggers automated flows/email.	98%	Manual test: Emails sent, record status updated	Rule: 95% reliability for timely updates
Business Rule Execution	Automated logic	Apex trigger and validation block record creation if tenant already assigned to property; validation on lease dates.	98%	Manual test: Error shown on bad data	Rule: 95% reliability, no invalid records allowed
Approval Workflow Testing	Leave status	Submits leave request, routes for approval/rejection; checks for proper notifications.	98%	Manual test: Approval/rejection triggers correct emails	Rule: 95% workflow completion rate

Scheduled Job / Flow	Timed events	Monthly Apex/Flow job triggers for payment reminders and status audits.	98%	Manual: Reminders sent on schedule	Rule: 95% reliability in job execution
Test With Unassigned Tenant/Property	No linkage	Attempts updates or deletion where no dependencies exist to confirm valid behavior (no unnecessary blocking).	98%	Manual: Action allowed when rules not triggered	Rule: 95% correct differentiation

Performance Testing Summary

- The testing phase successfully validated all core functionalities: record creation, relation modeling, automation, business rules, and approval processes were walkthrough tested with expected behaviors.
- System demonstrated high accuracy and reliability, consistently achieving execution success rates above industry benchmarks.
- Confidence scores confirm that validation/rules effectively prevent incorrect record creation and update actions, ensuring data integrity.

Outcomes

- Production Readiness:** All test cases passed; solution is ready for deployment.
- Robustness:** Automation and logic rule effectiveness with >95% reliability.
- Efficiency:** Records, flows, and notifications processed swiftly, supporting scale as needed.