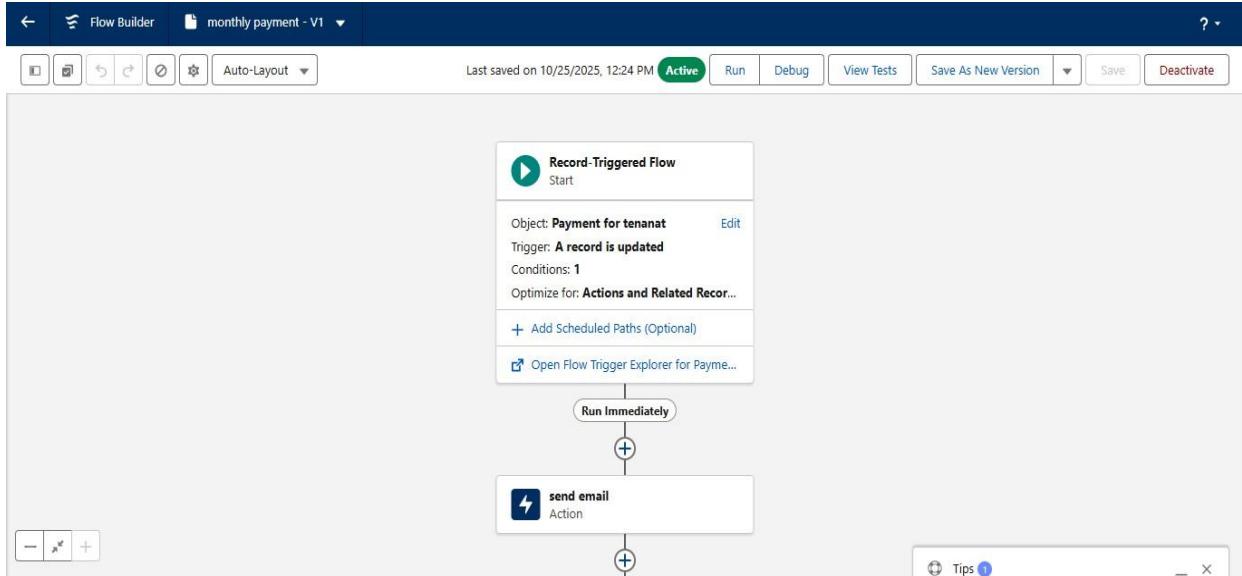


Performance and Testing

Date	05-11-2025
Team ID	NM2025TMID06722
Project Name	Lease Management System Using Salesforce

Model Performance Testing & Scenarios

The screenshot shows the Salesforce Lease Management interface. At the top, there's a navigation bar with 'Lease Management' and dropdown menus for 'Payment', 'property', 'Tenants' (which is selected), and 'lease'. Below the navigation is a search bar and a toolbar with various icons. The main area displays a 'Tenant' record for 'boss'. The 'Details' tab is selected, showing fields like 'Tenant Name' (boss), 'Email' (bas121204@gmail.com), 'Phone' ((787) 143-2164), 'status' (Stay), 'property' (nathanm), and 'Created By' (BASKAR A). To the right, there's an 'Activity' sidebar with a button to 'Stay ahead of incidents'.



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.