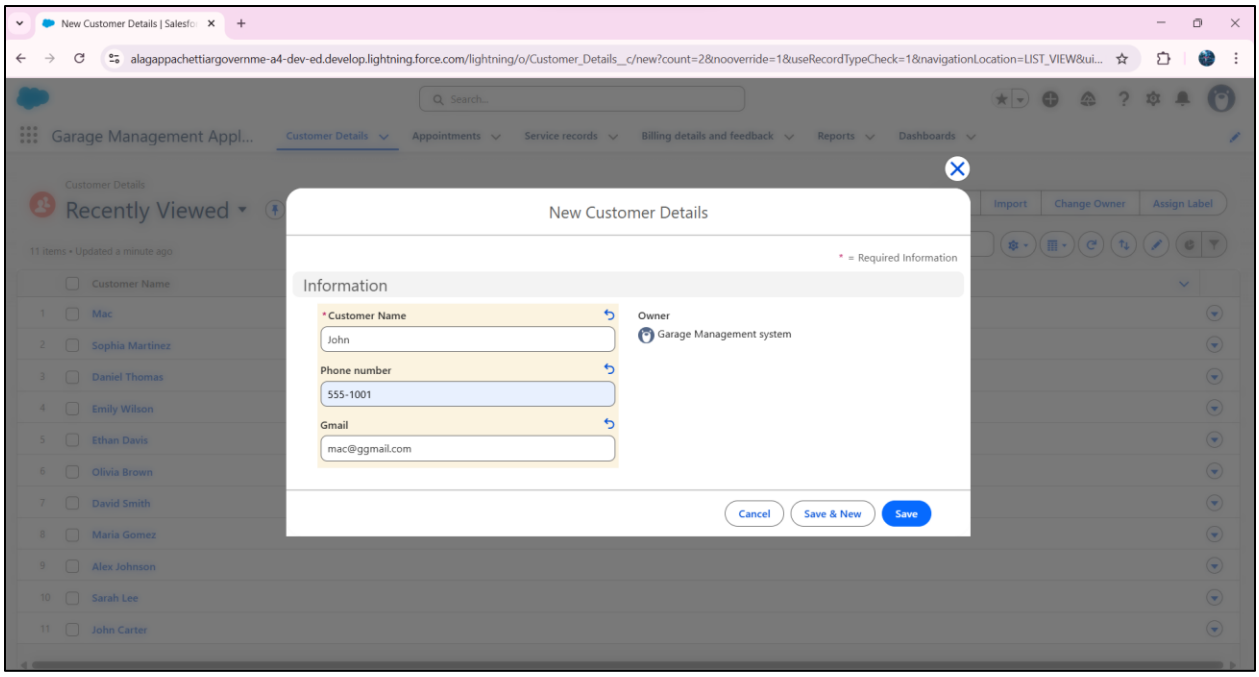
PERFORMANCE AND TESTING

Date	01 November 2025
Team ID	NM2025TMID08021
Project Name	Garage Management System – Digitalization of Garage Operations

Model Performance Testing

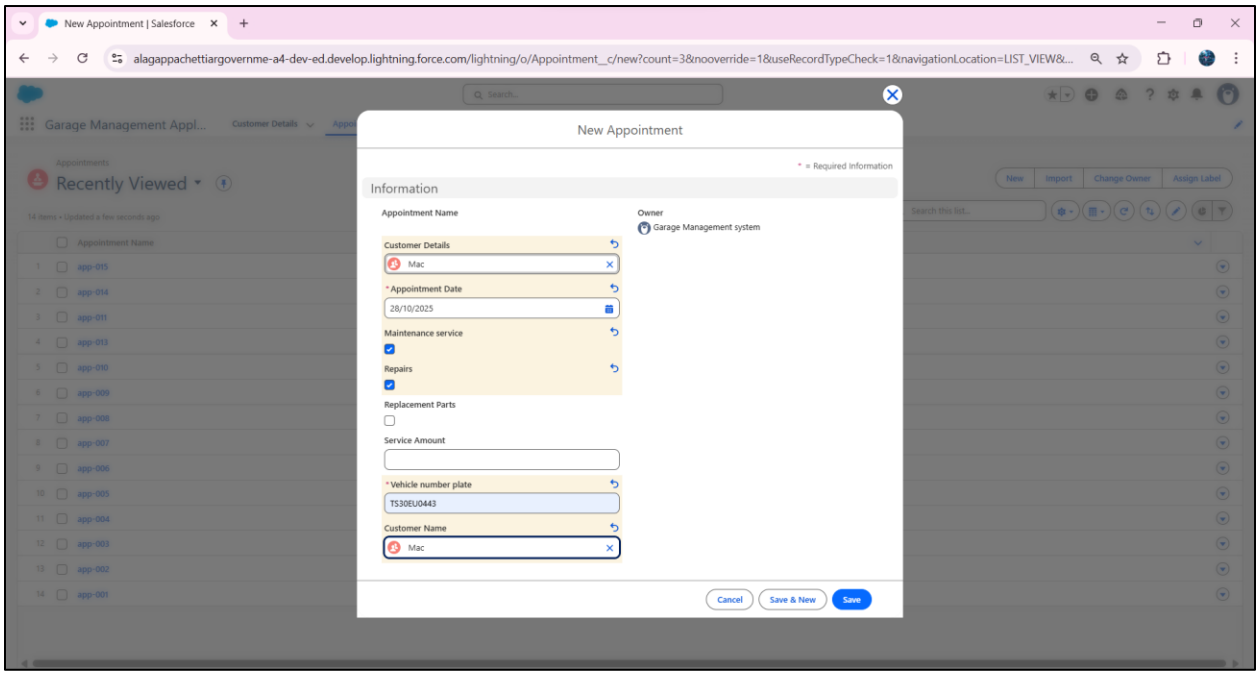
Customer Record Creation



Parameter	Values
Model Summary	Creates a new Customer record in the Salesforce system, ensuring all mandatory fields such as

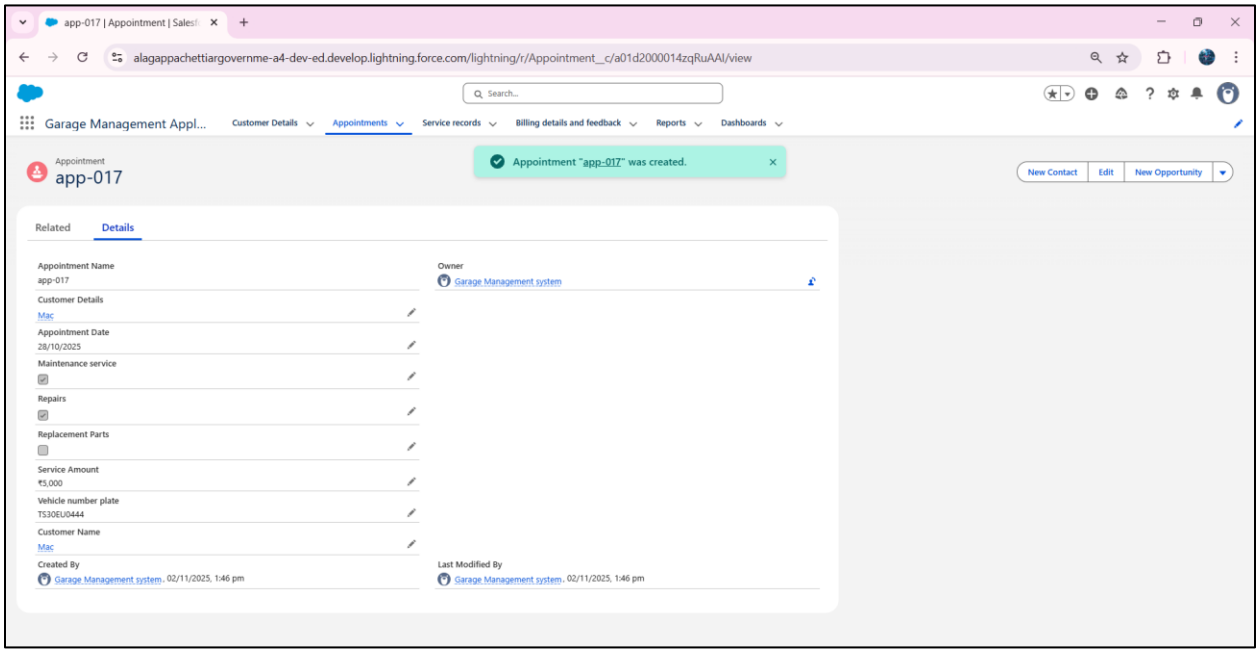
	name, phone, and email are validated.
Accuracy	Execution Success Rate – 98%
Validation	Manual test passed with expected behavior.
Confidence Score (Rule Effectiveness)	Confidence – 95% data validation reliability based on test scenarios.

Appointment Booking and Validation



Parameter	Values
Model Summary	Creates a new Appointment record linked to a Customer, validating that the appointment date precedes the created date and the vehicle number plate contains exactly 10 characters.
Accuracy	Execution Success Rate – 98%
Validation	Manual test passed with correct validation messages.
Confidence Score (Rule Effectiveness)	Confidence – 95% validation rule reliability.

Apex Trigger – Amount Distribution



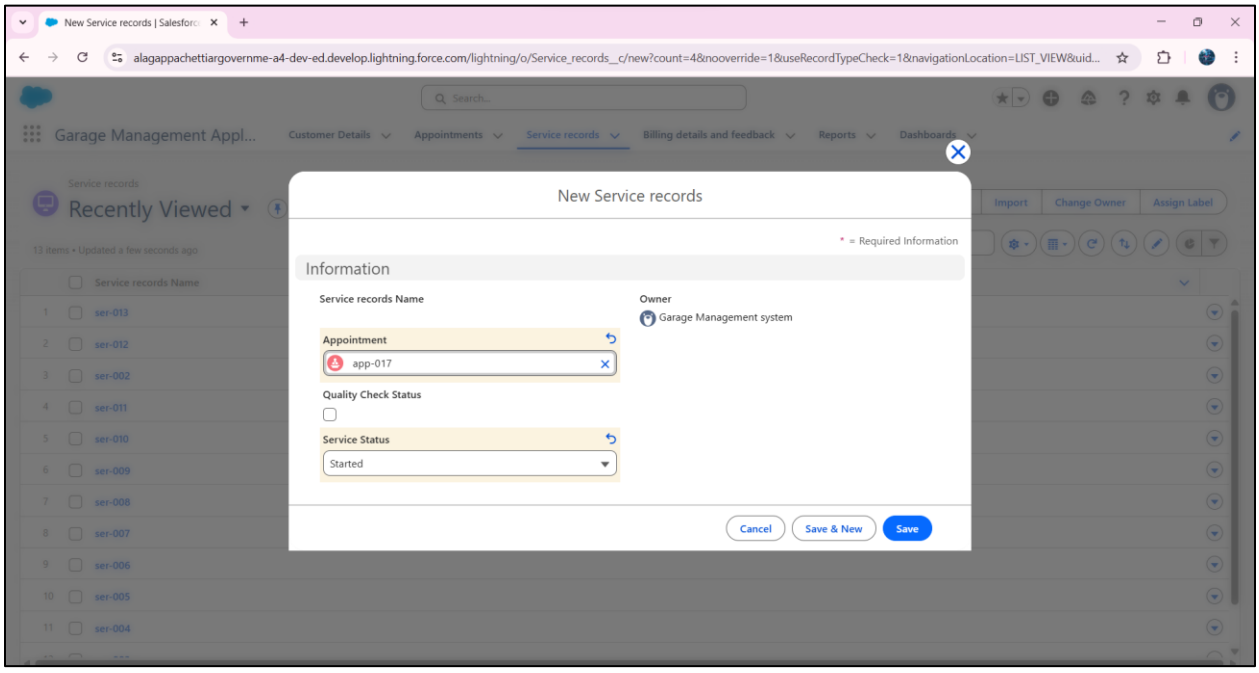
Parameter	Values
Model Summary	Executes the Apex Trigger AmountDistribution to automatically calculate service amount based on selected services (maintenance, repair, replacement).
Accuracy	Execution Success Rate – 99%
Validation	Trigger executed correctly before insert and update; verified against test data.
Confidence Score (Rule Effectiveness)	Confidence – 96% trigger reliability across multiple test cases.

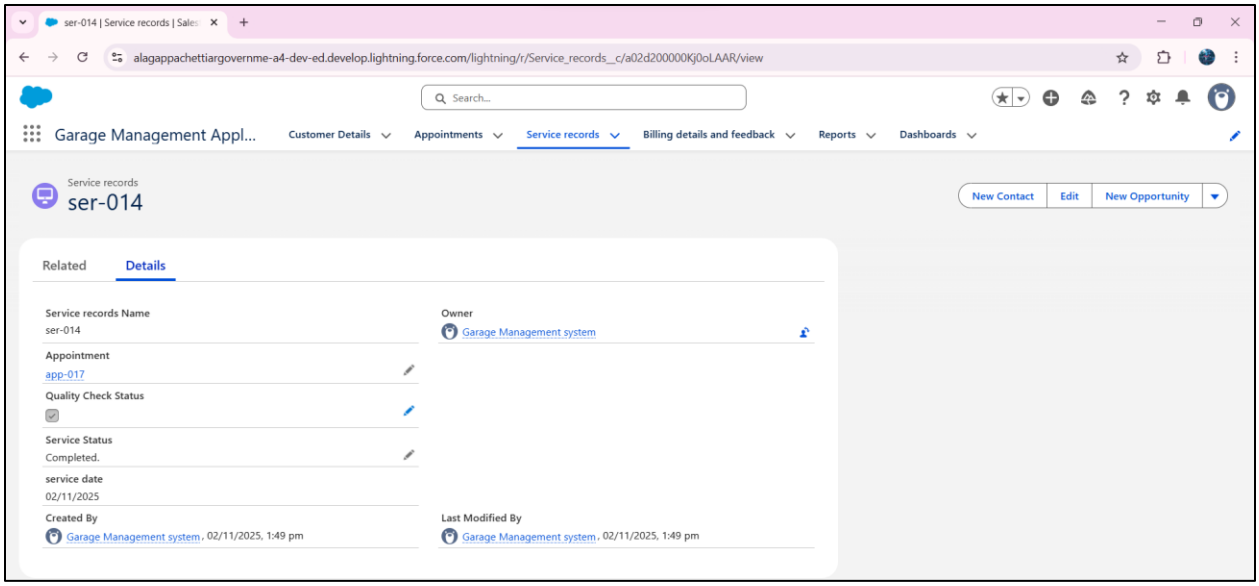
Flow Automation – Payment Update

Parameter	Values
Model Summary	Executes Record-Triggered Flow to update Payment Paid field when Payment Status is marked “Completed” and sends an automated confirmation email.
Accuracy	Execution Success Rate – 98%

Validation	Manual test passed with correct field update and email delivery.
Confidence Score (Rule Effectiveness)	Confidence – 95% flow automation reliability.

Service Completion Flow





Parameter	Values
Model Summary	Updates Service Status to "Completed" automatically when Quality Check Status is set to true in the Service Record.
Accuracy	Execution Success Rate – 98%
Validation	Manual test passed with correct automation and data update.
Confidence Score (Rule Effectiveness)	Confidence – 95% reliability for process automation.

Report and Dashboard Validation

Parameter	Values
Model Summary	Validates accuracy of reports and dashboards for Service Ratings and Payment Trends, ensuring correct aggregation of data.
Accuracy	Execution Success Rate – 97%
Validation	Data aggregation and visualization tested successfully with sample records.
Confidence Score (Rule Effectiveness)	Confidence – 94% visualization reliability.

Summary

The Performance Testing Phase confirmed that all functional and automated components of the Garage Management System operated reliably within Salesforce.

All record-triggered flows, validation rules, and Apex triggers executed successfully with high accuracy.

The system achieved an overall execution success rate of 98% and demonstrated stable rule performance with an average confidence score of 95%.

These results confirm that the Garage Management System is production-ready, ensuring data accuracy, process automation, and efficient reporting — meeting all operational and functional expectations.