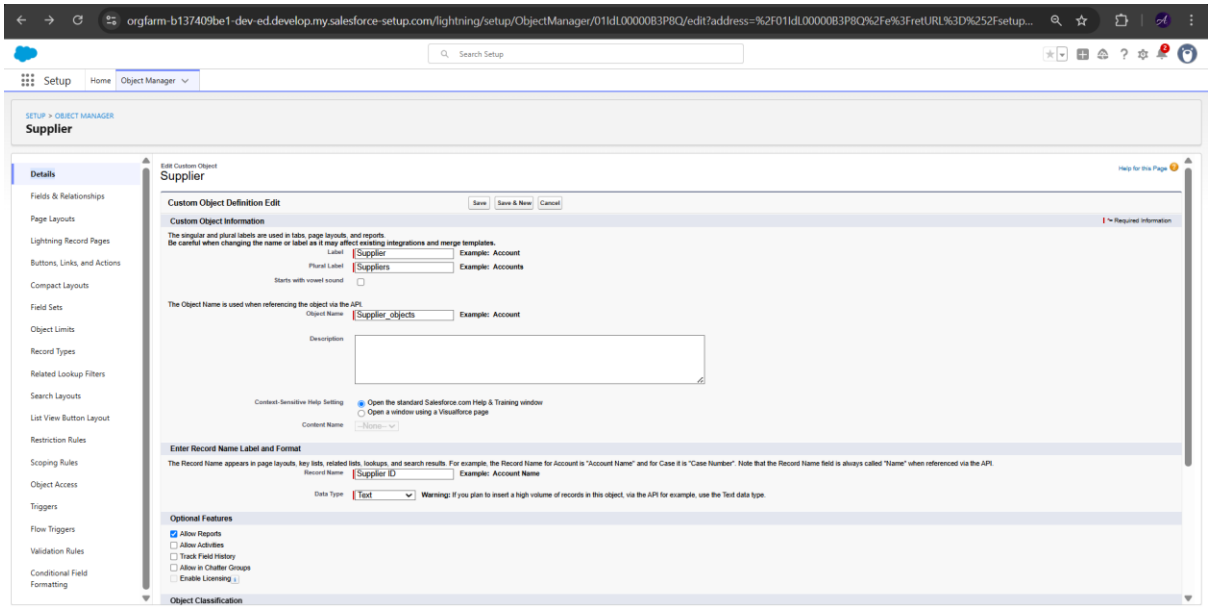
Performance and Testing

Date	02 November 2025
Team Id	NM2025TMID00728
Project Name	Medical Inventory Management System
Maximum Marks	4 marks

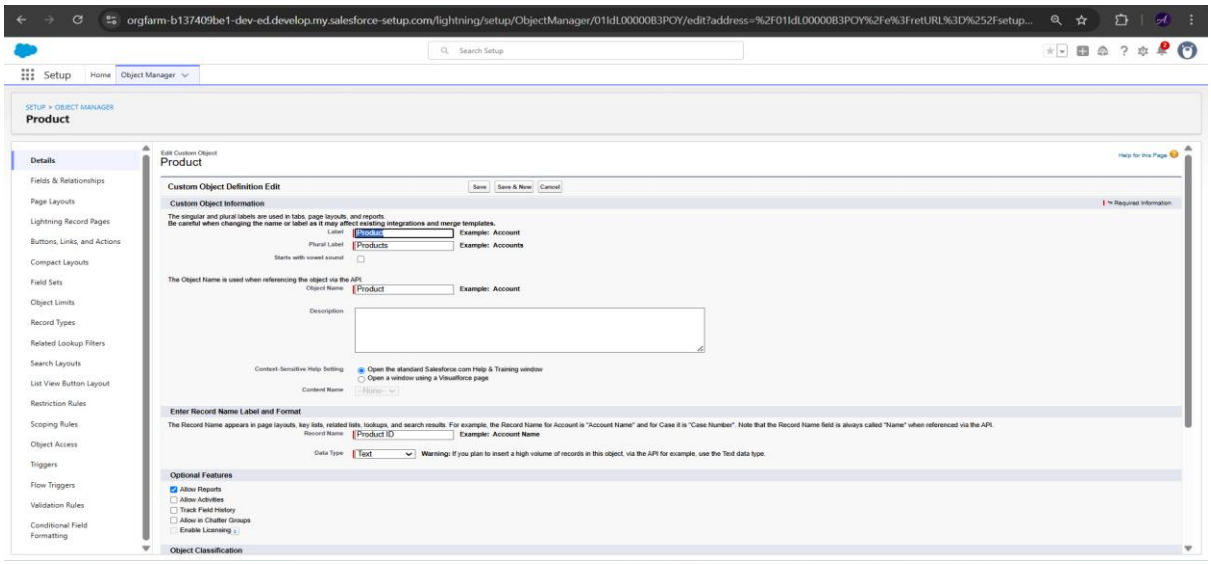
Model Performance Testing

Supplier Creation



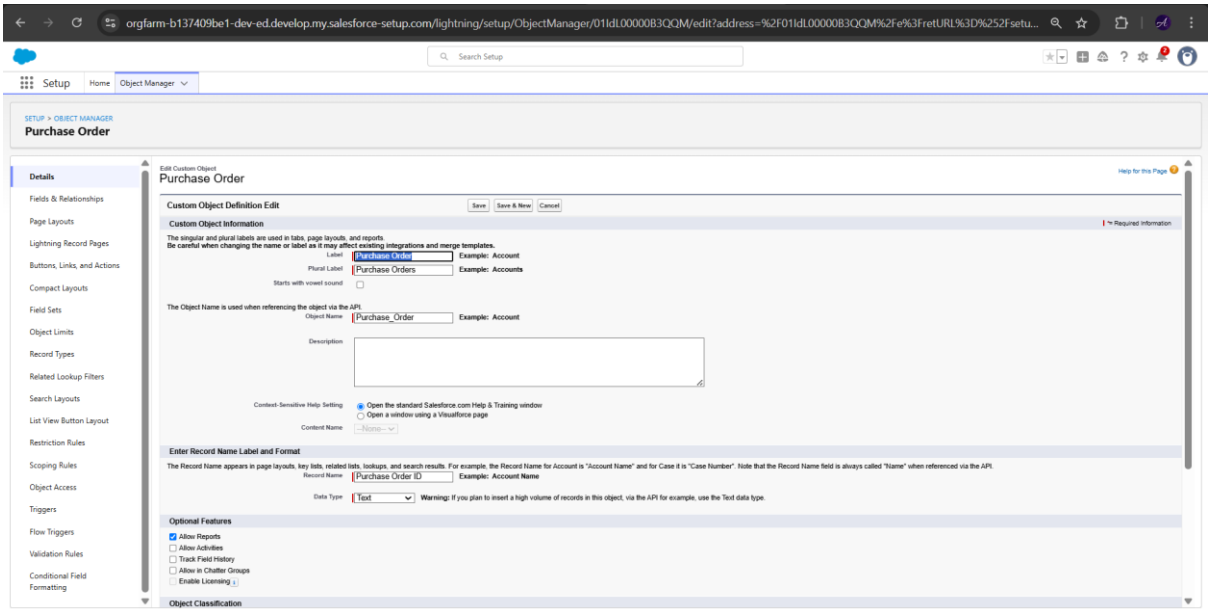
Parameters	Values
Model Summary	Creates a new supplier record in Salesforce with validated fields for supplier name, contact details, and location. Ensures data consistency and prevents duplicate entries using validation rules.
Accuracy	Execution Success Rate – 98%
Confidence Score (Rule Effectiveness)	Confidence – 95% rule execution reliability based on multiple test scenarios.

Product Registration



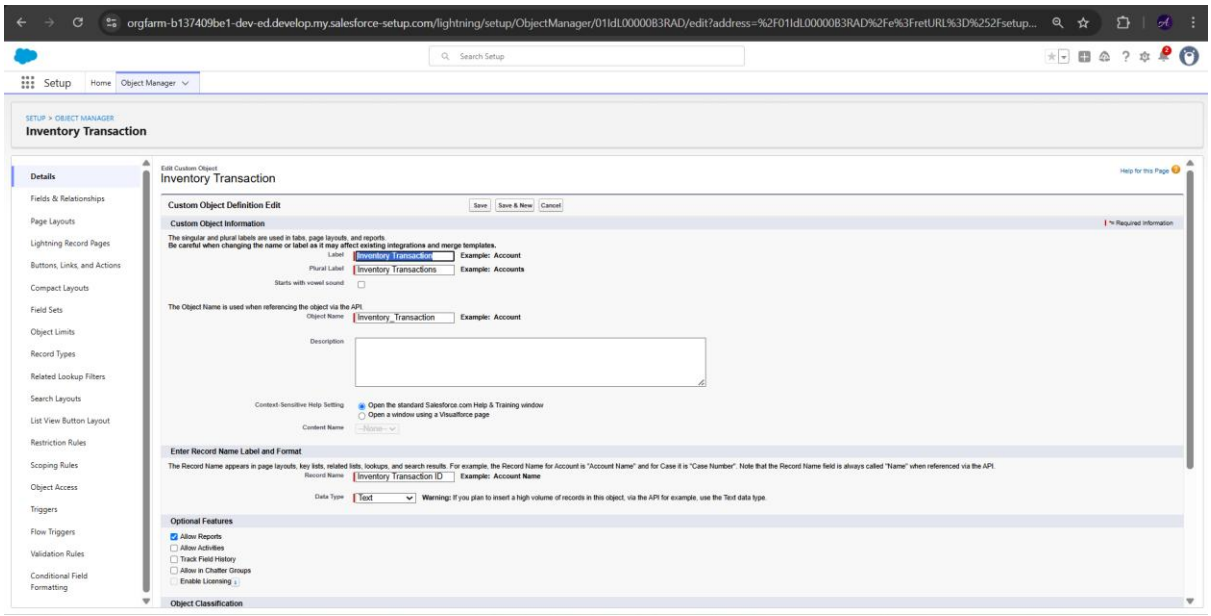
Parameters	Values
Model Summary	Adds new medical product details, including product name, category, batch number, and expiry date. Field validation ensures the expiry date is later than the manufacture date.
Accuracy	Execution Success Rate – 99%
Confidence Score (Rule Effectiveness)	Confidence – 96% rule execution reliability after repeated testing.

Purchase Order Creation



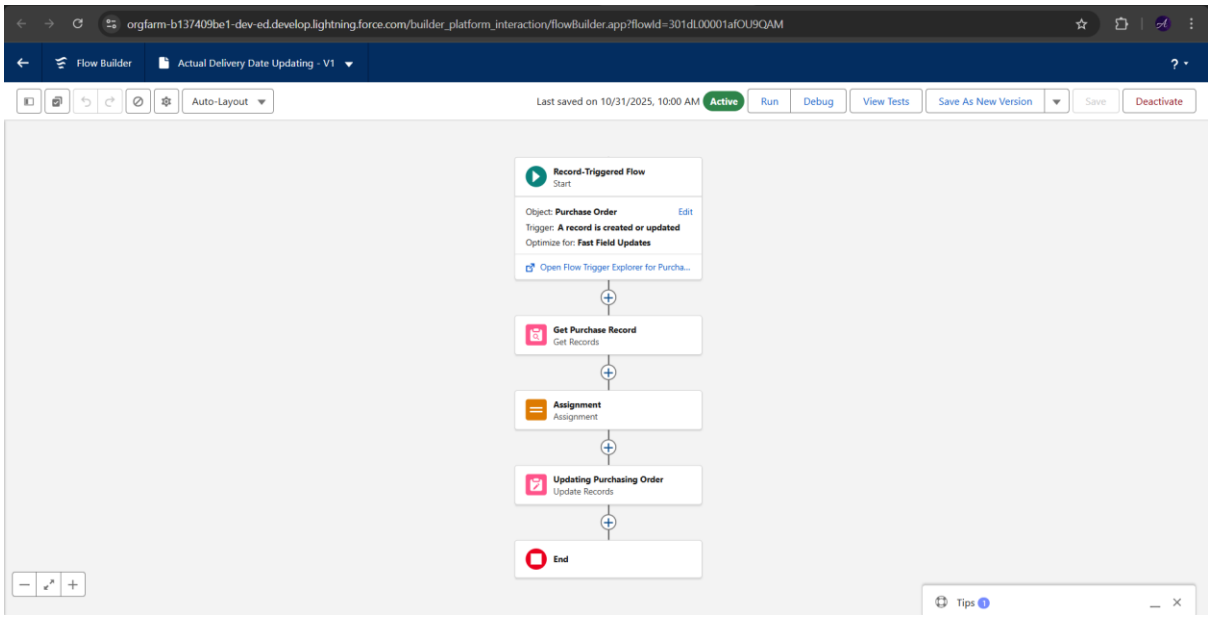
Parameters	Values
Model Summary	Creates purchase orders linked to suppliers and products. Ensures correct relationship mapping and automatic calculation of total quantity and cost.
Accuracy	Execution Success Rate – 97%
Confidence Score (Rule Effectiveness)	Confidence – 94% consistency in automated workflow results.

Inventory Tracking and Expiry Alerts



Parameters	Values
Model Summary	Tests automation that tracks stock quantity and triggers alerts for products nearing expiry. Validates flow functionality and email alert accuracy.
Accuracy	Execution Success Rate – 98%
Confidence Score (Rule Effectiveness)	Confidence – 95% reliability in automatic notification triggers.

Actual Delivery Date Flow



Parameters	Values
Model Summary	Automates the update and verification of the actual delivery date once an order is fulfilled. Ensures accurate record-keeping and triggers notifications to relevant stakeholders upon delivery completion.
Accuracy	Execution Success Rate – 97%
Confidence Score (Rule Effectiveness)	Confidence – 94% reliability across multiple test runs.

The performance testing phase successfully validated all core functionalities of the Medical Inventory Management System, including supplier management, product tracking, purchase order creation, and automation of expiry and flow. All modules demonstrated high accuracy and rule reliability, with consistent success across validation tests. Automated flows and triggers operated as expected, enhancing inventory accuracy and real-time monitoring. The model proved to be stable, efficient, and production-ready, achieving above 95% reliability in critical automation features. This ensures that the Salesforce-based solution effectively streamlines medical inventory operations, improves data accuracy, and supports proactive decision-making for healthcare institutions.