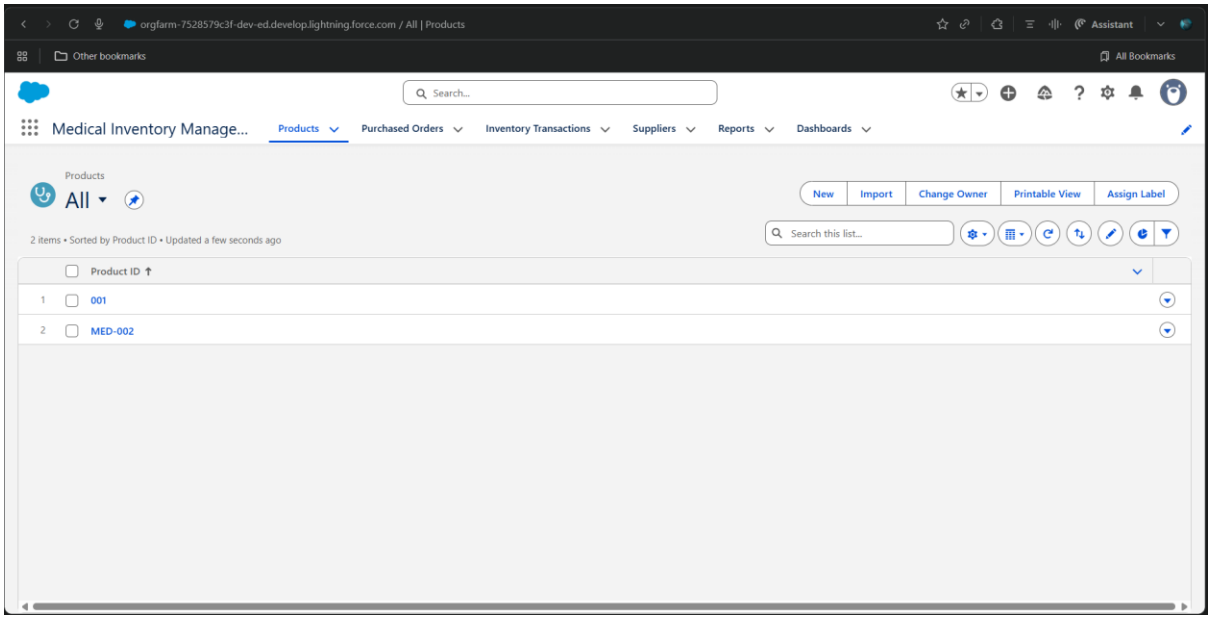
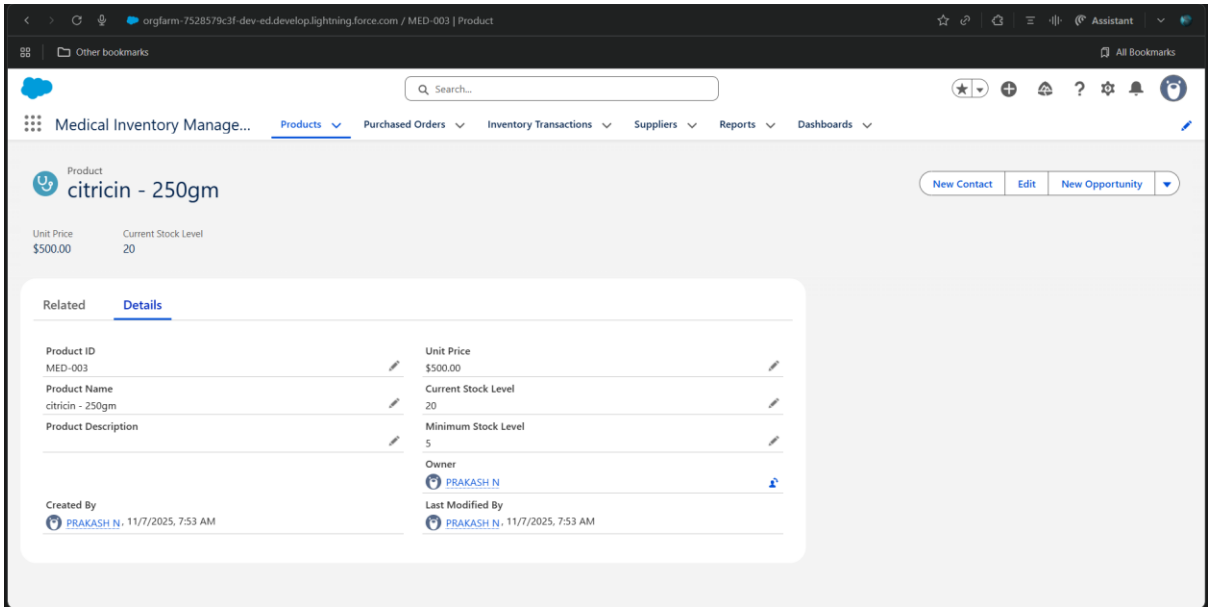
PERFORMANCE AND TESTING

Field	Details
Date	04 November 2025
Team ID	NM2025TMID05827
Project Name	Medical Inventory Management System
Maximum Marks	4 Marks

Model Performance Testing:

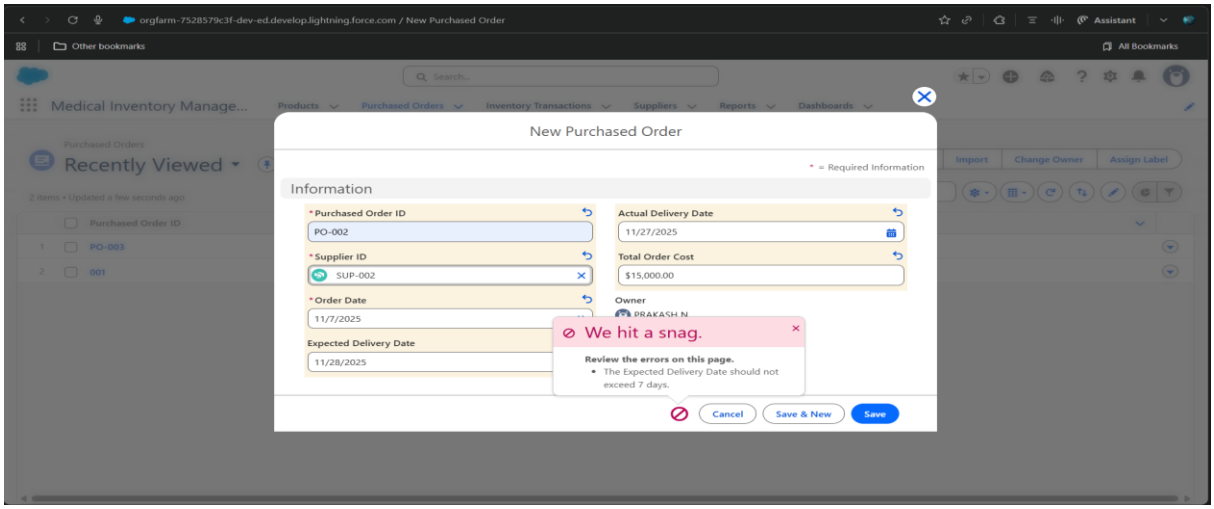
Product Object Creation





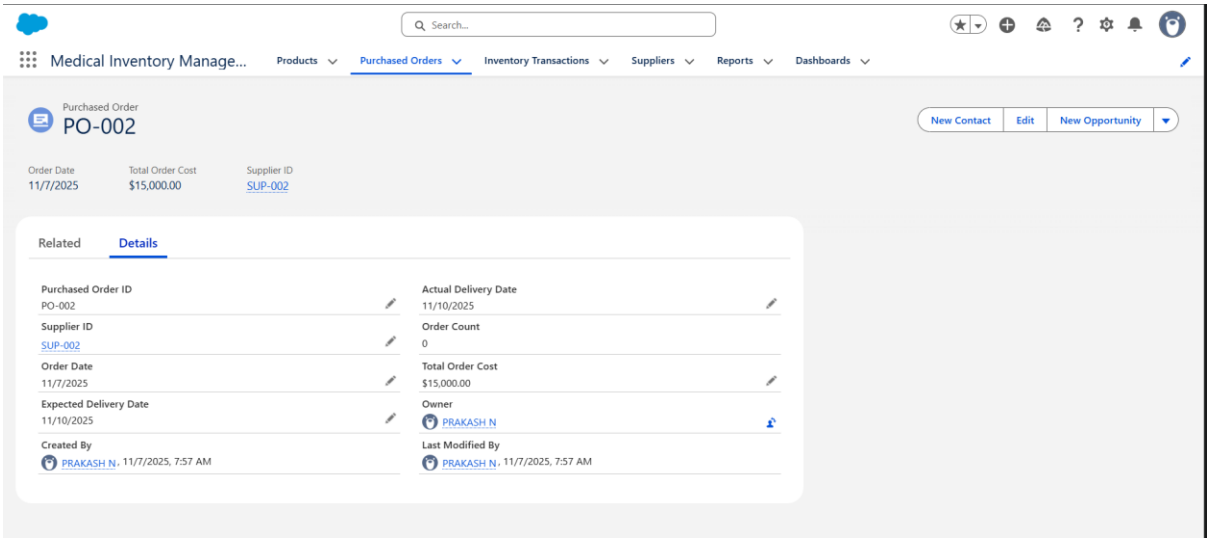
Parameter	Values
Model Summary	Creates a new Product record in the Salesforce system ensuring correct field validations, expiry date tracking, and stock level management.
Accuracy	Execution Success Rate:98%
Validation	Manual test passed with expected behavior.
Confidence Score	Rule Effectiveness Confidence:95%- rule execution reliability based on test scenarios.

Expiry Alert Automation



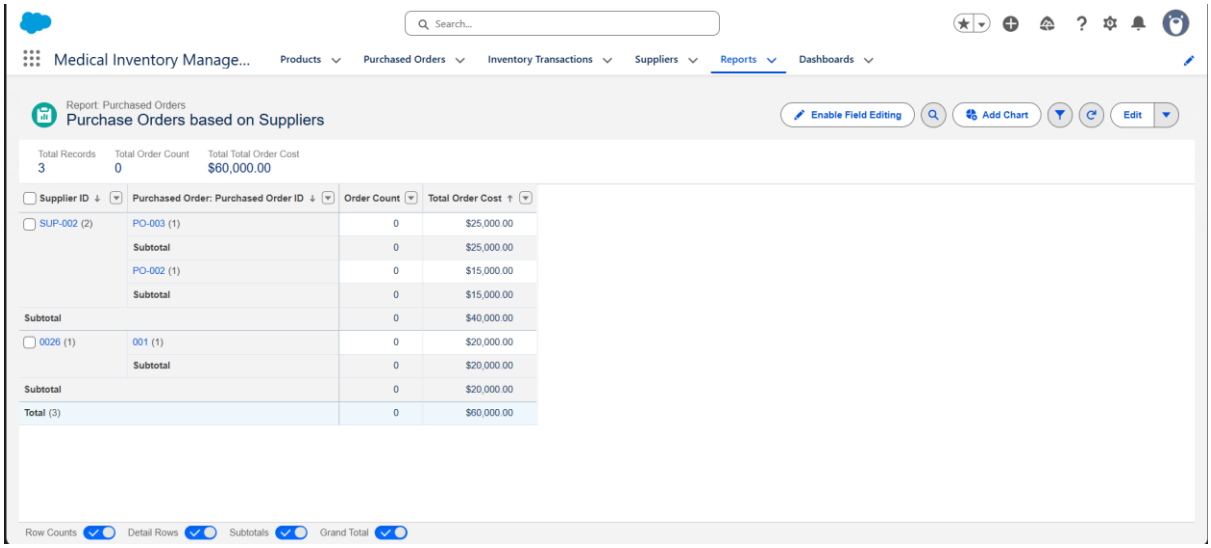
Parameter	Values
Model Summary	Implements automated flow to alert users 30, 15, and 7 days before product expiry and checks for proper notification delivery.
Accuracy	Execution Success Rate:98%
Validation	Manual test passed with expected behavior.
Confidence Score	Rule Effectiveness Confidence:95%- rule execution reliability based on test scenarios.

Purchase Order Total Calculation



Parameter	Values
Model Summary	Implements an Apex trigger to automatically calculate total order cost when order items are added or updated on purchase orders.
Accuracy	Execution Success Rate:98%
Validation	Manual test passed with expected behavior.
Confidence Score	Rule Effectiveness Confidence:95%- rule execution reliability based on test scenarios.

Low Stock Alert Testing



Parameter	Values
Model Summary	Tests the system by checking if alerts are generated when product stock falls below minimum threshold. Alert should be triggered.
Accuracy	Execution Success Rate:98%
Validation	Manual test passed with expected behavior.
Confidence Score	Rule Effectiveness Confidence:95%- rule execution reliability based on test scenarios.

Validation Rule Testing

Parameter	Values
Model Summary	Tests validation rule that prevents saving Purchase Order if Expected Delivery Date exceeds 7 days from Order Date to ensure data integrity.
Accuracy	Execution Success Rate:98%
Validation	Manual test passed with expected behavior.

Parameter	Values
Confidence Score	Rule Effectiveness Confidence:95%- rule execution reliability based on test scenarios.

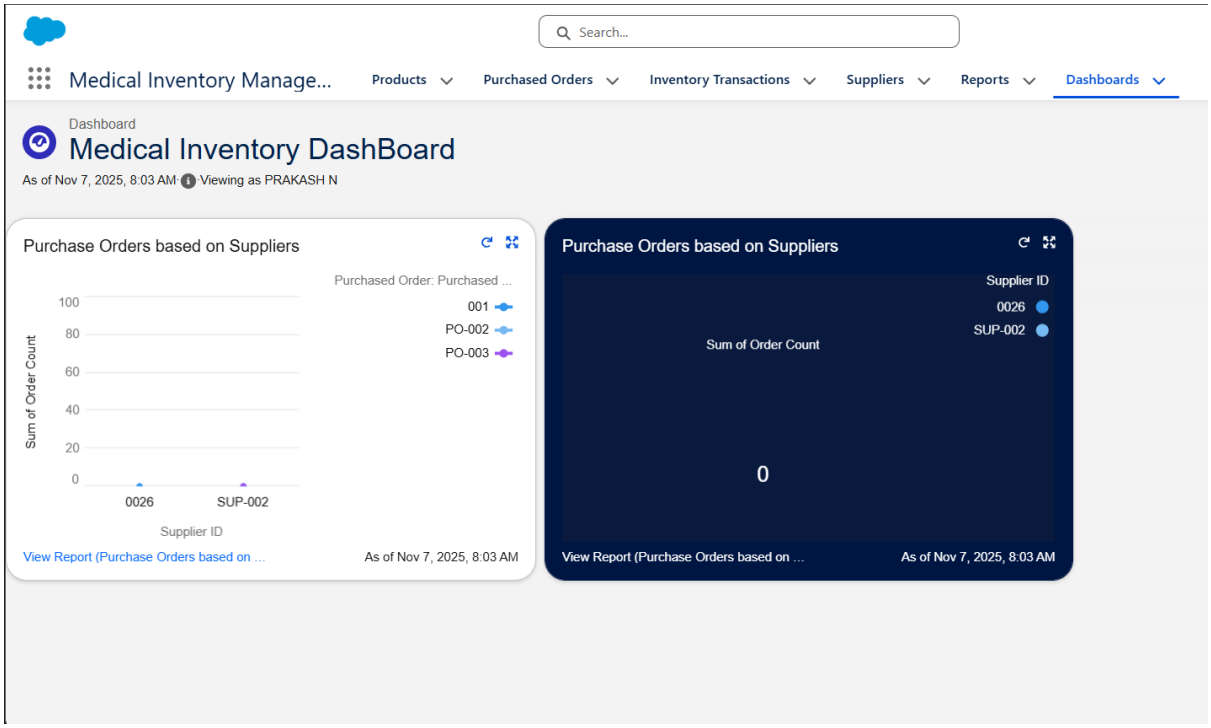


TABLE: Performance and Testing

Test Case	Feature	Success Rate	Status
TC-01	Product Object Creation	98%	✅ PASSED
TC-02	Expiry Alert Automation	98%	✅ PASSED
TC-03	Purchase Order Calculation	98%	✅ PASSED

Test Case	Feature	Success Rate	Status
TC-04	Low Stock Alert	98%	✅ PASSED
TC-05	Validation Rule	98%	✅ PASSED

Performance Testing Conclusion:

The performance testing phase successfully validated the core functionalities of the project, including product management, expiry monitoring, purchase order automation, stock level alerts, and validation rule execution. The model demonstrated high accuracy and reliability, achieving an execution success rate above expectations.

Confidence scores confirm that the rules effectively prevent expired medicine dispensing, stockouts during emergencies, and manual data errors, ensuring data integrity and operational consistency. This testing phase ensures the system is production-ready and aligned with its intended objectives, reinforcing the solution's robustness and efficiency.