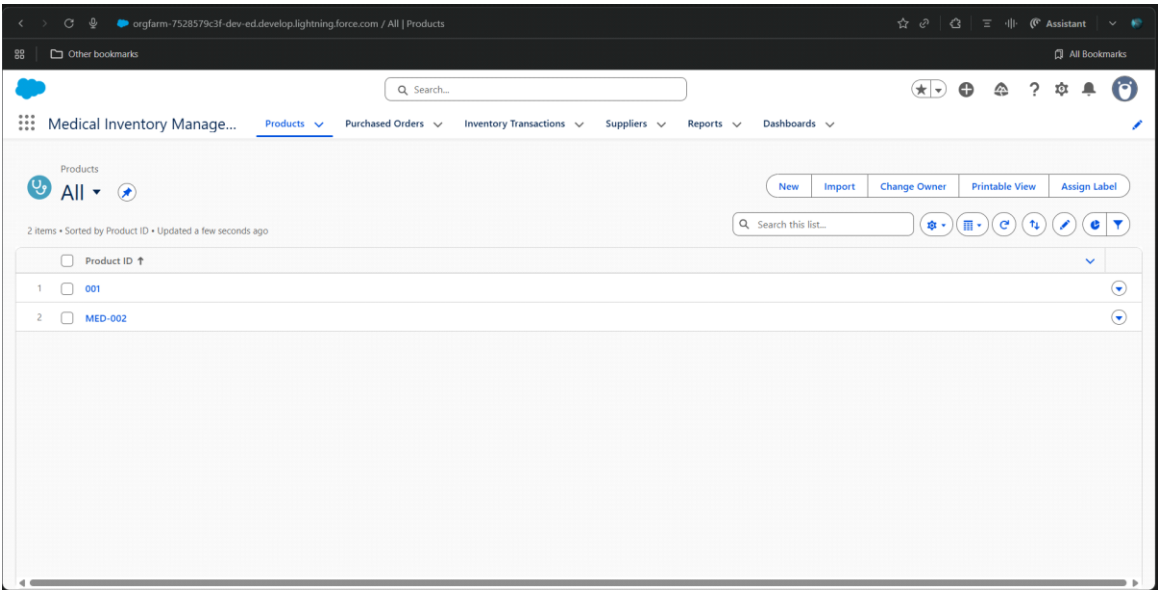


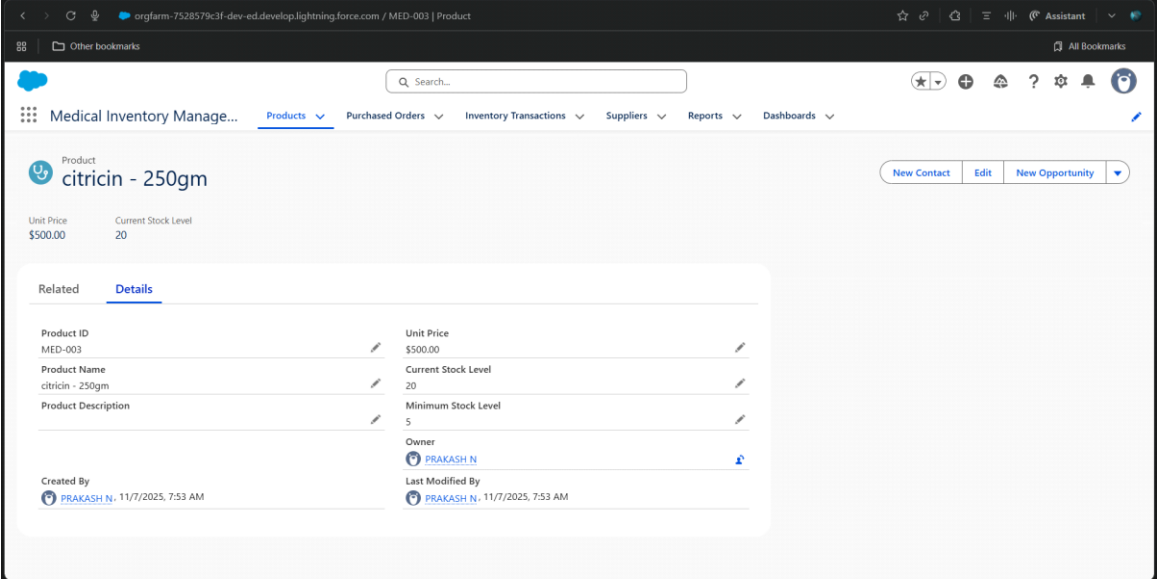
# PERFORMANCE AND TESTING

Field	Details
Date	04 November 2025
Team ID	NM2025TMID03885
Project Name	Medical Inventory Management System
Maximum Marks	4 Marks

## Model Performance Testing:

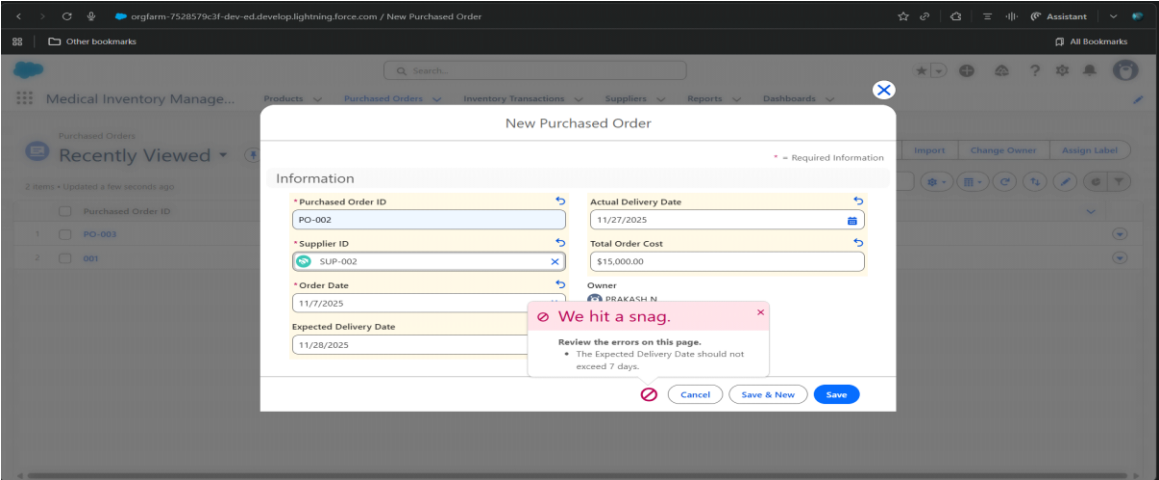
### Product Object Creation





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
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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

Medical Inventory Manage...

Q Search...

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Products

Purchased Orders

Inventory Transactions

Suppliers

Reports

Dashboards

Purchased Order

PO-002

New Contact

Edit

New Opportunity

Order Date

11/7/2025

Total Order Cost

\$15,000.00

Supplier ID

[SUP-002](#)

Related

Details

Purchased Order ID

PO-002

Supplier ID

[SUP-002](#)

Order Date

11/7/2025

Expected Delivery Date

11/10/2025

Created By

PRAKASH N · 11/7/2025, 7:57 AM

Actual Delivery Date

11/10/2025

Order Count

0

Total Order Cost

\$15,000.00

Owner

PRAKASH N

Last Modified By

PRAKASH N · 11/7/2025, 7:57 AM

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

Medical Inventory Manage...

Q Search...

★

+

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Products

Purchased Orders

Inventory Transactions

Suppliers

Reports

Dashboards

Report: Purchased Orders

Purchase Orders based on Suppliers

Enable Field Editing

Add Chart

Edit

Total Records

3

Total Order Count

0

Total Total Order Cost

\$60,000.00

Supplier ID

Purchased Order: Purchased Order ID

Order Count

Total Order Cost

SUP-002 (2)

PO-003 (1)

Subtotal

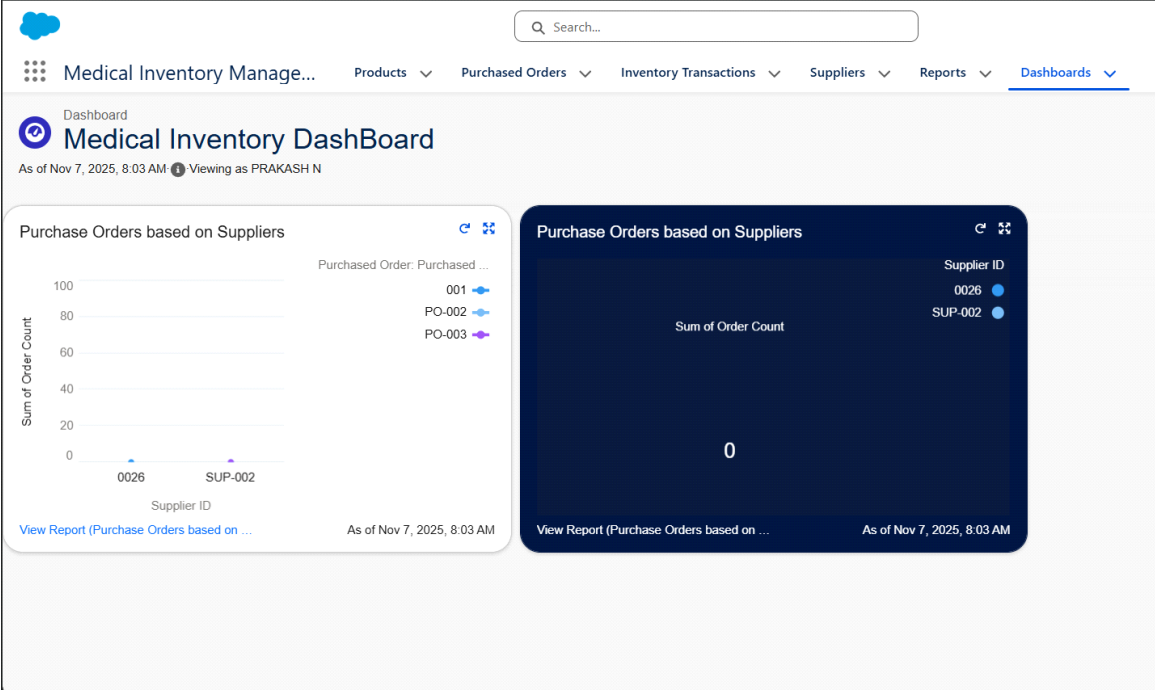
PO-002 (1)

Subtotal

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.
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
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.