

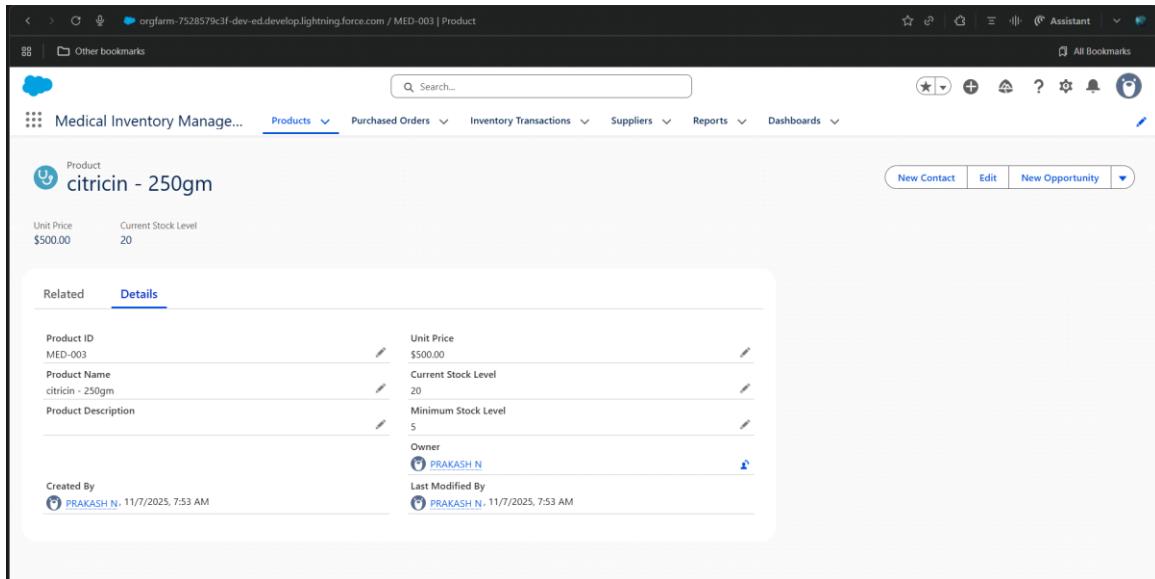
PERFORMANCE AND TESTING

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

Model Performance Testing:

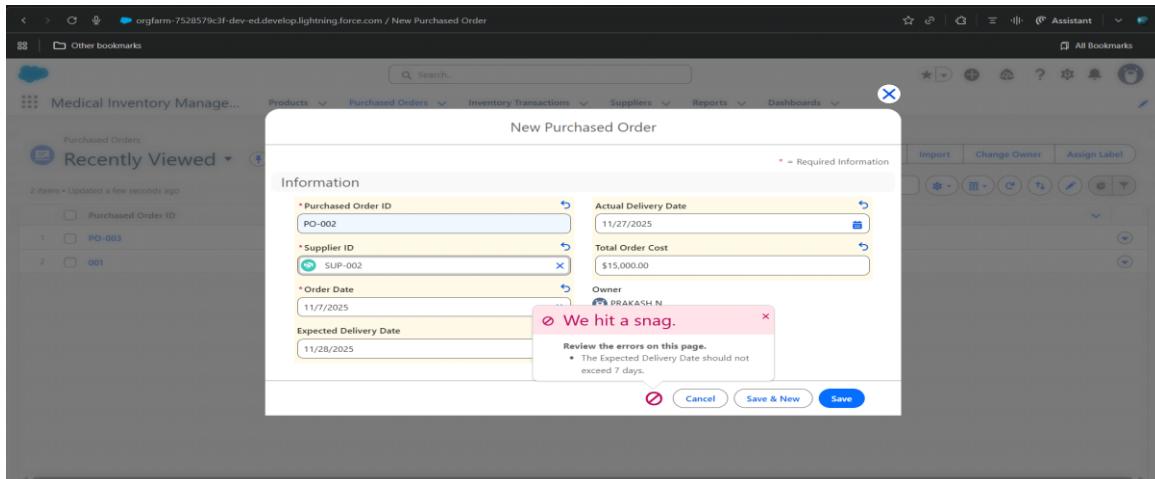
Product Object Creation

The screenshot shows the Salesforce Lightning interface for the 'Products' object. The top navigation bar includes links for 'Products', 'Purchased Orders', 'Inventory Transactions', 'Suppliers', 'Reports', and 'Dashboards'. Below the navigation is a search bar and a toolbar with buttons for 'New', 'Import', 'Change Owner', 'Printable View', and 'Assign Label'. The main content area displays a list of products. A header indicates there are 2 items sorted by Product ID. The list shows two entries: '001' and 'MED-002', each with a checkbox next to it. At the bottom of the list is a scroll bar.



| 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

The screenshot displays a purchase order record in a CRM application. The top navigation bar includes links for Medical Inventory Management, Products, Purchased Orders (selected), Inventory Transactions, Suppliers, Reports, and Dashboards. The main content area shows a purchase order for ID PO-002. Key details visible are the Order Date (11/7/2025), Total Order Cost (\$15,000.00), and Supplier ID (SUP-002). Below this, the 'Details' tab is active, showing additional information such as Actual Delivery Date (11/10/2025), Order Count (0), and the owner of the record (PRAKASH N). Other tabs like 'Related' are also present.

| 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

Report: Purchased Orders
Purchase Orders based on Suppliers

| Total Records | Total Order Count | Total Total Order Cost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------|------------------------|--------------------------------------|-------------|---|-------------|--|----------|---|-------------|------------|--|---|-------------|--|----------|---|-------------|----------|--|---|-------------|-----------------------------------|--|---------|---|-------------|--|----------|---|-------------|----------|--|---|-------------|-----------|--|---|-------------|
| 3 | 0 | \$60,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Supplier ID ↴ ↵ <input type="checkbox"/> Purchased Order: Purchase Order ID ↴ ↵ <input type="checkbox"/> Order Count ↴ ↵ <input type="checkbox"/> Total Order Cost ↴ ↵ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td><input type="checkbox"/> SUP-002 (2)</td> <td>PO-003 (1)</td> <td>0</td> <td>\$25,000.00</td> </tr> <tr> <td></td> <td>Subtotal</td> <td>0</td> <td>\$25,000.00</td> </tr> <tr> <td colspan="2">PO-002 (1)</td> <td>0</td> <td>\$15,000.00</td> </tr> <tr> <td></td> <td>Subtotal</td> <td>0</td> <td>\$15,000.00</td> </tr> <tr> <td colspan="2">Subtotal</td> <td>0</td> <td>\$40,000.00</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> 0026 (1)</td> <td>001 (1)</td> <td>0</td> <td>\$20,000.00</td> </tr> <tr> <td></td> <td>Subtotal</td> <td>0</td> <td>\$20,000.00</td> </tr> <tr> <td colspan="2">Subtotal</td> <td>0</td> <td>\$20,000.00</td> </tr> <tr> <td colspan="2">Total (3)</td> <td>0</td> <td>\$60,000.00</td> </tr> </table> | | | <input type="checkbox"/> SUP-002 (2) | PO-003 (1) | 0 | \$25,000.00 | | Subtotal | 0 | \$25,000.00 | PO-002 (1) | | 0 | \$15,000.00 | | Subtotal | 0 | \$15,000.00 | Subtotal | | 0 | \$40,000.00 | <input type="checkbox"/> 0026 (1) | | 001 (1) | 0 | \$20,000.00 | | Subtotal | 0 | \$20,000.00 | Subtotal | | 0 | \$20,000.00 | Total (3) | | 0 | \$60,000.00 |
| <input type="checkbox"/> SUP-002 (2) | PO-003 (1) | 0 | \$25,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | 0 | \$25,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PO-002 (1) | | 0 | \$15,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | 0 | \$15,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 0 | \$40,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> 0026 (1) | | 001 (1) | 0 | \$20,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Subtotal | 0 | \$20,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 0 | \$20,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total (3) | | 0 | \$60,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Row Counts Detail Rows Subtotals Grand Total

| 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. |

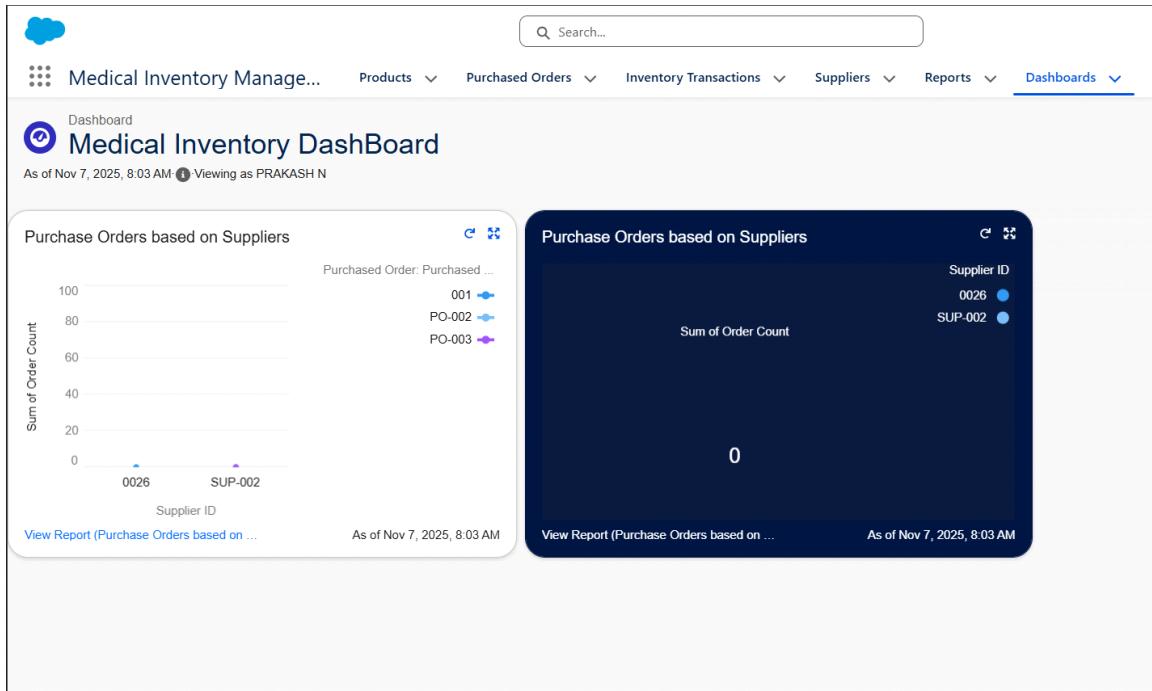


TABLE: Performance and Testing

| 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.