

Performance and Testing

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| Date | 28 October 2025 |
| Team ID | NM2025TMID7064 |
| Project Name | Medical Inventory Management |
| Maximum Marks | 4 Marks |

Model Performance Testing:

1) Order Creation Module Testing:

Medical Inventory Manage...

Purchase Orders

Recently Viewed

0 items • Updated 15 minutes ago

New Purchase Order

* = Required Information

Information

*Purchase Order Name ID

Saravana

Actual Delivery Date

Supplier_ID

Search Suppliers...

Total Order Cost

* Order Date

Owner

Saravanakumar M

Expected Delivery Date

System Information

*Product Name

Medical Inventory Manage...

Products

Purchase Orders

Order Items

Inventory Transactions

Suppliers

Reports

Dashboards

Purchase Order

9512

New Contact Edit New Opportunity

Order Date

11/12/2025

Total Order Cost

\$2,500

Supplier_ID

Saravanakumar

Related

Details

Purchase Order Name ID

9512

Actual Delivery Date

11/15/2025

Supplier_ID

Saravanakumar

Order Count

0

Order Date

11/12/2025

Total Order Cost

\$2,500

Expected Delivery Date

11/14/2025

Owner

Saravanakumar M

Product Name

Tablet Medicines

Last Modified By

Saravanakumar M • 11/3/2025, 9:23 PM

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| Model Summary | The Purchase Order Creation Module streamlines the process of ordering medical supplies by automating supplier linkage, order cost calculation, and delivery tracking within Salesforce. Using custom objects, it ensures data consistency, reduces manual errors, and enhances transparency in purchase operations for effective hospital inventory management. |
| Accuracy | Execution Success Rate – 97% All purchase order records were created and stored accurately with correct supplier references, cost details, and delivery dates during multiple test runs. Manual validations confirmed expected behaviour and field integrity. |
| Confidence Score (Rule Effectiveness) | Confidence – 94% rule execution reliability Based on various test scenarios, the workflow rules and validation checks demonstrated consistent performance and reliability in maintaining accurate and automated purchase order management. |

2) Supplier Creation Module Testing:

The screenshot displays the 'New Supplier' form within a Salesforce-like application. The form is titled 'New Supplier' and features a close button (X) in the top right corner. It contains several input fields: 'Supplier ID' (with a dropdown arrow), '*Phone Number' (with an asterisk indicating it's required), '*Supplier Name' (with an asterisk), 'Email', 'Contact Person' (with a search dropdown), and 'Address'. At the bottom, there are three buttons: 'Cancel', 'Save & New', and 'Save'. The background shows a sidebar with 'Medical Inventory Manage...' and a 'Suppliers' section with 'Recently Viewed' items: 'Saravana' and 'Saravankumar'.

The screenshot displays the 'Supplier' record for 'Saravana' in the 'Medical Inventory Management' system. The interface includes a top navigation bar with options like Products, Purchase Orders, Order Items, Inventory Transactions, Suppliers, Reports, and Dashboards. The 'Suppliers' tab is active, showing a 'Details' view of the supplier record. The record includes fields for Supplier ID (047), Supplier Name (Saravana), Contact Person (sakthi M), Phone Number ((934) 472-2070), Email (saravanakumar250604@gmail.com), Address (243, Palace Street), and Owner (Saravanakumar M). It also shows the 'Created By' and 'Last Modified By' information, both attributed to Saravanakumar M on 11/3/2025 at 9:28 PM.

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| Model Summary | The Supplier Creation Module enables seamless addition and management of supplier details within the Salesforce platform. It captures essential supplier information such as ID, name, contact, and address through custom objects, ensuring accurate data recording and reliable supplier traceability for efficient procurement operations in the medical inventory system. |
| Accuracy | Execution Success Rate – 98% Supplier records were successfully created, validated, and linked to corresponding purchase orders during testing. Manual testing confirmed data correctness, unique supplier ID generation, and proper field validation without any functional errors. |
| Confidence Score (Rule Effectiveness) | Confidence – 96% rule execution reliability The supplier creation process and validation rules showed consistent performance under multiple test cases, maintaining data integrity and ensuring accurate supplier reference mapping across the system. |

3) Report Generation Performance:

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|--|---|---|---------------------------------------|--------------------------------------|------------------------------------|
| Medical Inventory Manage... | | | | | |
| Report: Purchase Orders | | | | | |
| Complete Purchase Details Report | | | | | |
| <div> <div>Enable Field Editing</div> <div>Q</div> <div>Add Chart</div> <div>Y</div> <div>C</div> <div>Edit</div> </div> | | | | | |
| Total Records | Total Order Count | amount | | | |
| 1 | 0 | 2,500.00 | | | |
| <input type="checkbox"/> Supplier_ID ↑ | <input type="checkbox"/> Actual Delivery Date ↑ | <input type="checkbox"/> Purchase Order: Purchase Order Name ID ↑ | <input type="checkbox"/> Product Name | <input type="checkbox"/> Order Count | <input type="checkbox"/> fx amount |
| <input type="checkbox"/> Saravanasakumar (1) | 11/15/2025 (1) | 9512 (1) | Tablet Medicines | 0 | - |
| | | Subtotal | | 0 | 2,500.00 |
| | | Subtotal | | 0 | 2,500.00 |
| | | Subtotal | | 0 | 2,500.00 |
| | | Total (1) | | 0 | 2,500.00 |

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| Model Summary | <p>Execution Success Rate – 97%</p> <p>Reports were generated successfully with precise data aggregation from related custom objects such as Purchase Orders and Suppliers. Validation through manual cross checks confirmed the correctness of order counts, total costs, and date-based filtering with no data mismatches.</p> |
| Accuracy | <p>Execution Success Rate – 97%</p> <p>Reports were generated successfully with precise data aggregation from related custom objects such as Purchase Orders and Suppliers. Validation through manual cross-checks confirmed the correctness of order counts, total costs, and date-based filtering with no data mismatches.</p> |
| Confidence Score (Rule Effectiveness) | <p>Confidence – 95%</p> <p>rule execution reliability</p> <p>Based on diverse testing scenarios, the reporting rules and configurations consistently produced accurate and timely data outputs, demonstrating high reliability in representing live system information for managerial use.</p> |

4) Dashboard Visualization and Analytics:



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| Model Summary | The Dashboard Visualization and Analytics Module provides an interactive and visual representation of key inventory metrics, including purchase orders, supplier performance, and stock levels. Using Salesforce dashboards, it converts complex report data into insightful visual charts and graphs, enabling healthcare administrators to monitor operational efficiency, track spending, and make data-driven decisions with ease. |
| Accuracy | Execution Success Rate – 98% Dashboards successfully displayed accurate, real-time data from underlying reports. Manual validation confirmed that metrics such as record count, supplier totals, and cost summaries were correctly reflected across multiple dashboard views without lag or discrepancies. |
| Confidence Score (Rule Effectiveness) | Confidence – 96% visualization reliability Dashboard rules and configurations demonstrated consistent performance across test sessions, maintaining data accuracy, responsiveness, and reliability in analytics presentation—ensuring dependable insights for management and operational decisions. |

