

Performance and Testing

Date	8 November 2025
Team ID	NM2025TMID00593
Project Name	Medical Inventory Management
Maximum Marks	4 Marks

Model Performance Testing:

1) OrderCreationModuleTesting:

New Purchase Order

* = Required Information

Information

* Purchase Order Name ID: Saravana

Supplier_ID: Search Suppliers...

* Order Date: [Calendar Icon]

Expected Delivery Date: [Calendar Icon]

Actual Delivery Date: [Calendar Icon]

Total Order Cost: [Text Field]

Owner: Saravanakumar M

System Information

* Product Name: [Text Field]

Medical Inventory Management

Purchase Order 9512

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

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 shows a 'New Supplier' form in a web application. The form is titled 'New Supplier' and has a 'Required Information' section. It contains the following fields:

- Supplier ID (text input)
- *Supplier Name (text input, marked as required)
- Contact Person (text input with a search icon)
- *Phone Number (text input, marked as required)
- Email (text input)
- Address (text input)

The 'Owner' field is set to 'Saravankumar M'. At the bottom of the form, there are three buttons: 'Cancel', 'Save & New', and 'Save'.

The screenshot shows the Salesforce interface for the 'Medical Inventory Management' system. The 'Suppliers' tab is active, displaying the details for a supplier named 'Saravana'. The interface includes a search bar, navigation tabs (Products, Purchase Orders, Order Items, Inventory Transactions, Suppliers, Reports, Dashboards), and action buttons (New Contact, Edit, New Opportunity). The 'Details' section shows the following information:

Field	Value
Supplier ID	047
Supplier Name	Saravana
Contact Person	sakthi M
Phone Number	(924) 472-2070
Email	saravankumar250604@gmail.com
Address	243, Palace Street
Owner	Saravankumar M
Created By	Saravankumar M - 11/3/2025, 9:28 PM
Last Modified By	Saravankumar M - 11/3/2025, 9:28 PM

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:

The screenshot displays the 'Medical Inventory Management' interface. At the top, there's a navigation bar with tabs for Products, Purchase Orders, Order Items, Inventory Transactions, Suppliers, Reports, and Dashboards. The 'Reports' tab is active, showing a 'Complete Purchase Details Report' for Purchase Orders. The report summary indicates 1 Total Record, 0 Total Order Count, and an amount of 2,500.00. Below this, a table lists purchase order details with columns for Supplier_ID, Actual Delivery Date, Purchase Order, Purchase Order Name ID, Product Name, Order Count, and Amount. The data shows a single entry for 'Saraswathakumar (1)' with a delivery date of '11/15/2025 (1)', purchase order '9512 (1)', product 'Tablet Medicines', and an order count of 0. A subtotal and total row are also present, both showing an order count of 0 and an amount of 2,500.00.

Supplier_ID	Actual Delivery Date	Purchase Order	Purchase Order Name ID	Product Name	Order Count	Amount
Saraswathakumar (1)	11/15/2025 (1)	9512 (1)		Tablet Medicines	0	-
					0	2,500.00
					0	2,500.00
					0	2,500.00
					0	2,500.00
					0	2,500.00
					0	2,500.00

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:



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 – 96% visualization
Confidence Score (Rule Effectiveness)	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.

