

Performance and Testing

Date	28 October 2025
Team ID	NM2025TMID07064
Project Name	MedicalInventoryManagement
Maximum Marks	4 Marks

Model Performance Testing:

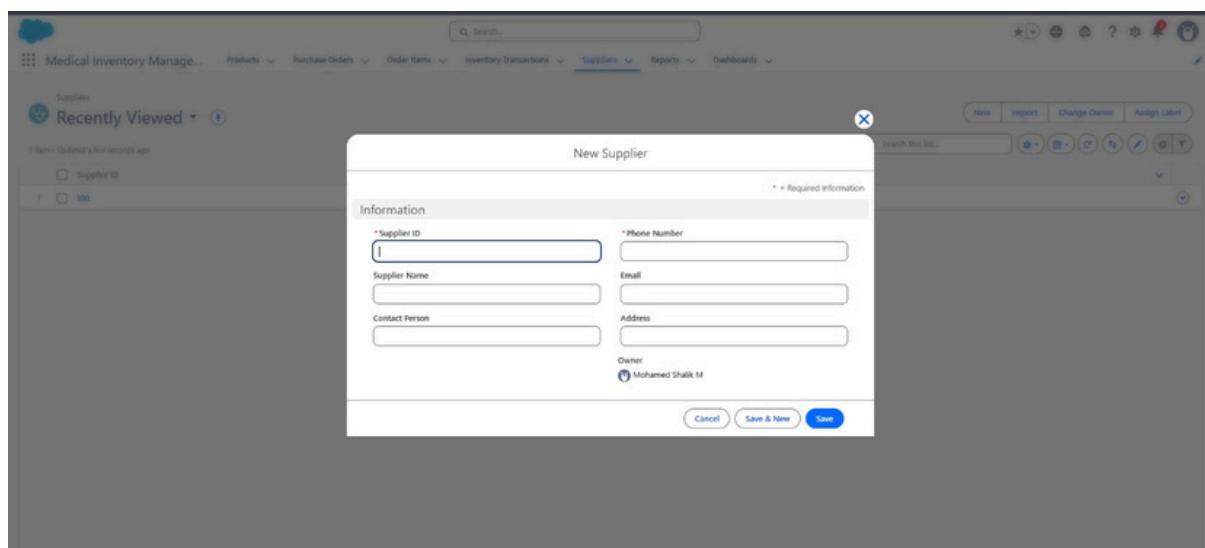
1) OrderCreationModuleTesting:

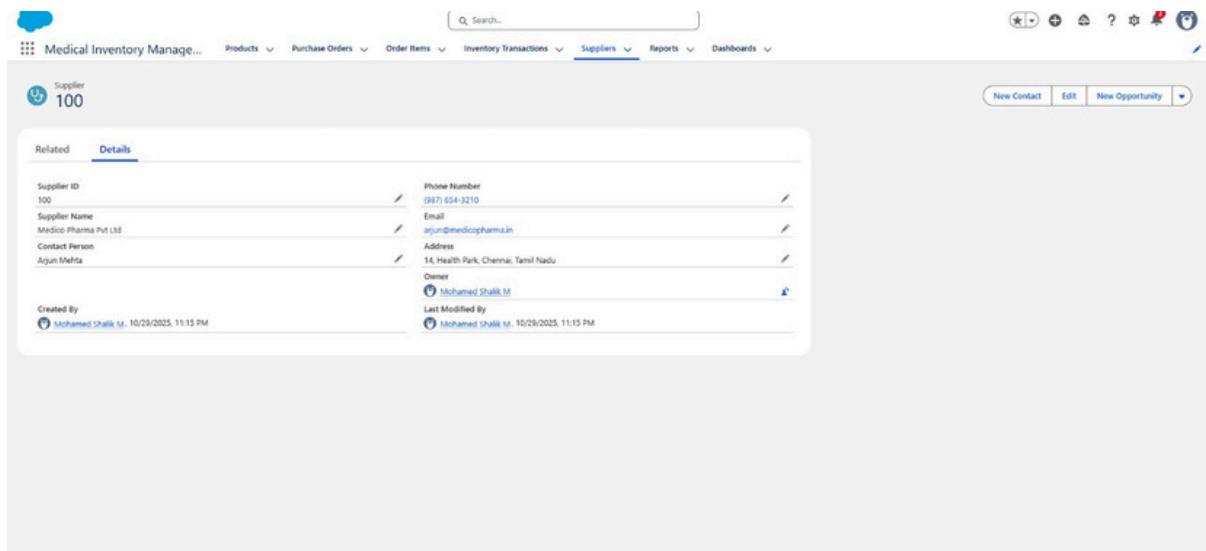
The screenshot shows the 'New Purchase Order' dialog box over a dark background. The dialog has a header 'New Purchase Order' with a close button. Below it is a section titled 'Information' containing fields for 'Purchase Order Id' (with placeholder '10001'), 'Actual Delivery Date' (with placeholder '10/28/2025'), 'Supplier ID' (with placeholder 'Search Suppliers...'), 'Total Order Cost' (empty), 'Order Date' (empty), 'Owner' (set to 'Mohamed Shalik M'), and 'Expected Delivery Date' (empty). At the bottom are 'Cancel', 'Save & New', and a blue 'Save' button.

The screenshot shows the 'Purchase Order' details page for record '10001'. The top bar includes 'Products', 'Purchase Orders', 'Order Items', 'Inventory Transactions', 'Suppliers', 'Reports', and 'Dashboards'. The main area shows basic info: 'Order Date' (10/25/2025), 'Total Order Cost' (\$62,500.00), and 'Supplier ID' (100). A 'Details' tab is selected, showing detailed fields: 'Purchase Order Id' (10001), 'Actual Delivery Date' (10/28/2025), 'Order Count' (1), 'Total Order Cost' (\$62,500.00), 'Owner' (Mohamed Shalik M), and 'Last Modified By' (Mohamed Shalik M, 10/25/2025, 11:43 PM). Navigation buttons at the top right include 'New Contact', 'Edit', and 'New Opportunity'.

Model Summary	Module Purpose: The module automates the process of ordering medical supplies by integrating supplier linkage, order cost calculation, and delivery tracking within Salesforce. 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 integrity. Confidence – 94% field 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.
Confidence Score (Rule Effectiveness)	

2) Supplier Creation Module Testing:





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 – 96% rule
Confidence Score (Rule Effectiveness)	execution reliability The supplier creation process and validation rules showed consistent performance under multiple test cases, maintaining data integrity reference and ensuring accurate supplier mapping across the system.

3) Report Generation Performance:

Supplier ID	Purchase Order ID	Actual Delivery Date	Expected Delivery Date	Order Date	Purchase Order: Owner Name	Purchase Order: Owner Alias	Purchase Order: Owner Role	Purchase Order: Created By	Purchase Order: Created Alias	Purchase Order: Created Date	Purchase Order: Last Modified By
1	a01g500000024Dwq	10/26/2025	11/1/2025	10/25/2025	Mohamed Shalk M	moh	-	Mohamed Shalk M	moh	10/29/2025	Mohamed
2	a01g500000024WYf	10/27/2025	10/29/2025	10/24/2025	Mohamed Shalk M	moh	-	Mohamed Shalk M	moh	10/29/2025	Mohamed

Model Summary	Execution Success Rate – 97% 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.
Accuracy	Execution Success Rate – 97% 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.
Confidence Score (Rule Effectiveness)	Confidence – 95% rule execution reliability 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.

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. Execution Success Rate – 98% Dashboards
Accuracy	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 reliability Dashboard rules and configurations
Confidence Score (Rule Effectiveness)	demonstrated consistent performance across test sessions, maintaining data accuracy, responsiveness, and reliability in analytics presentation—ensuring dependable insights for management and operational decisions.