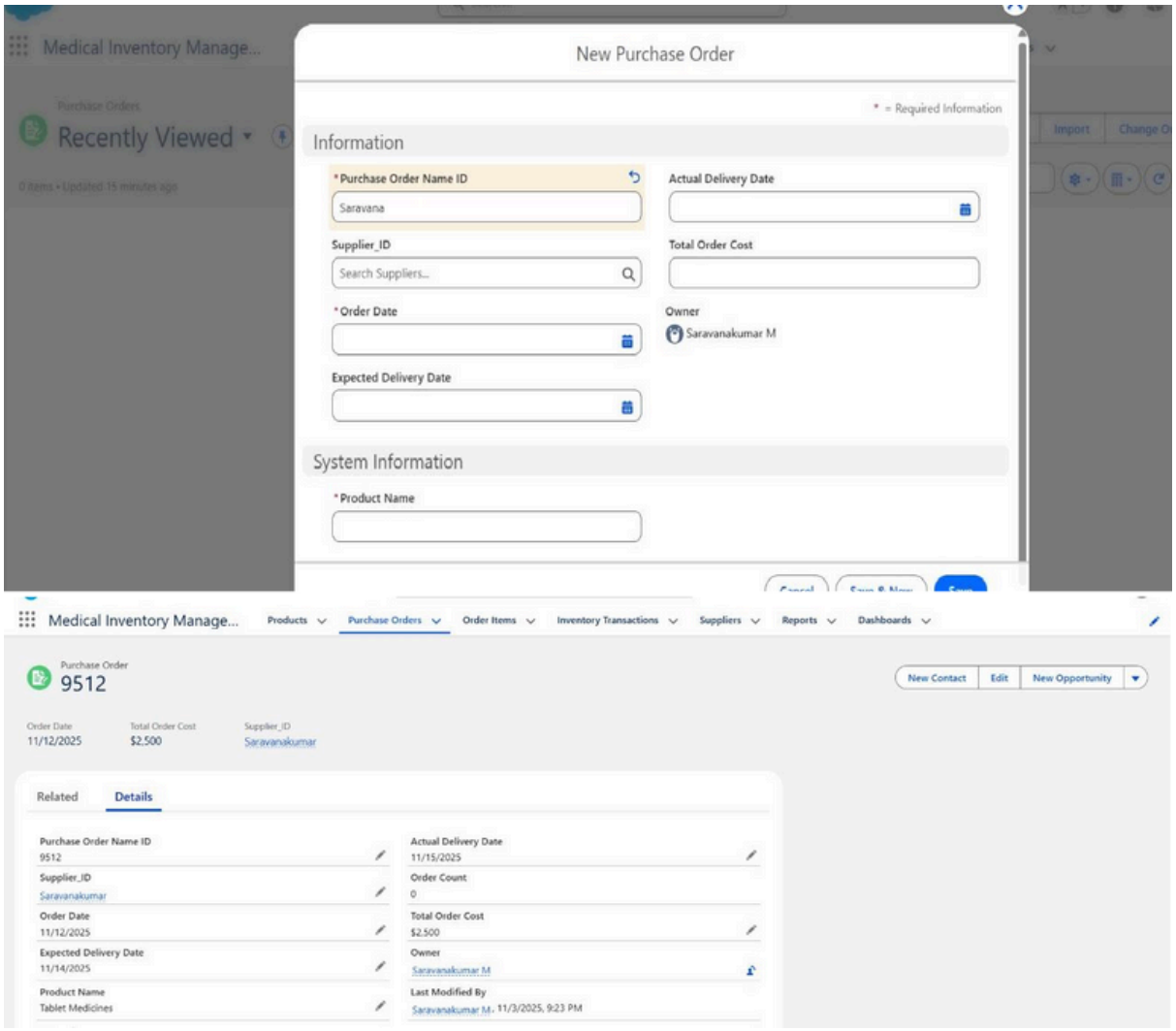
Performance and Testing

Date	28 October 2025
Team ID	NM2025TMID07064
Project Name	Medical Inventory Management
Maximum Marks	4 Marks

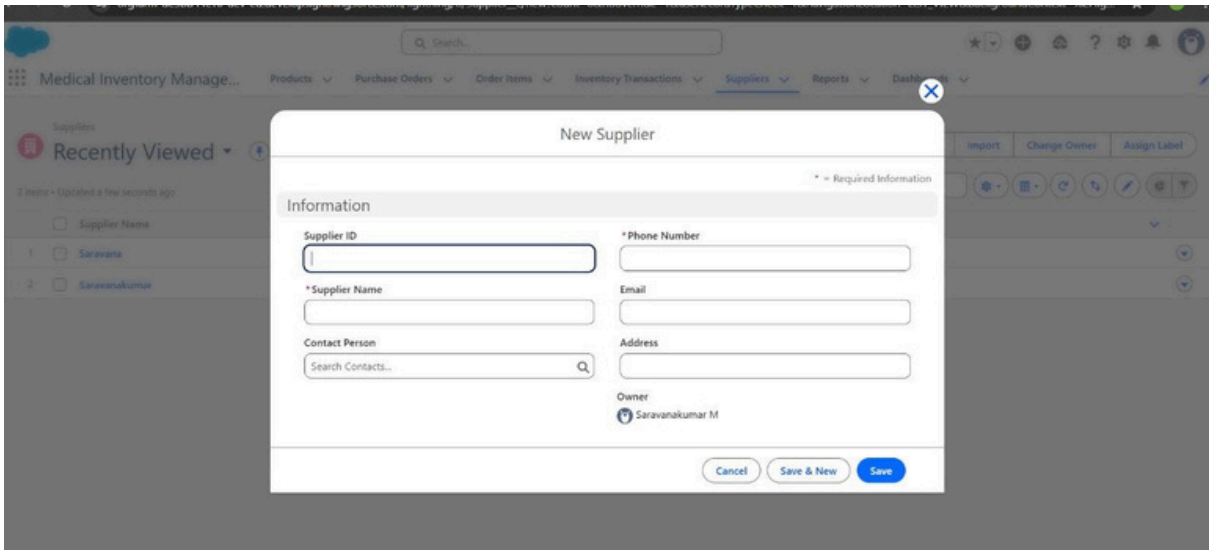
Model Performance Testing:

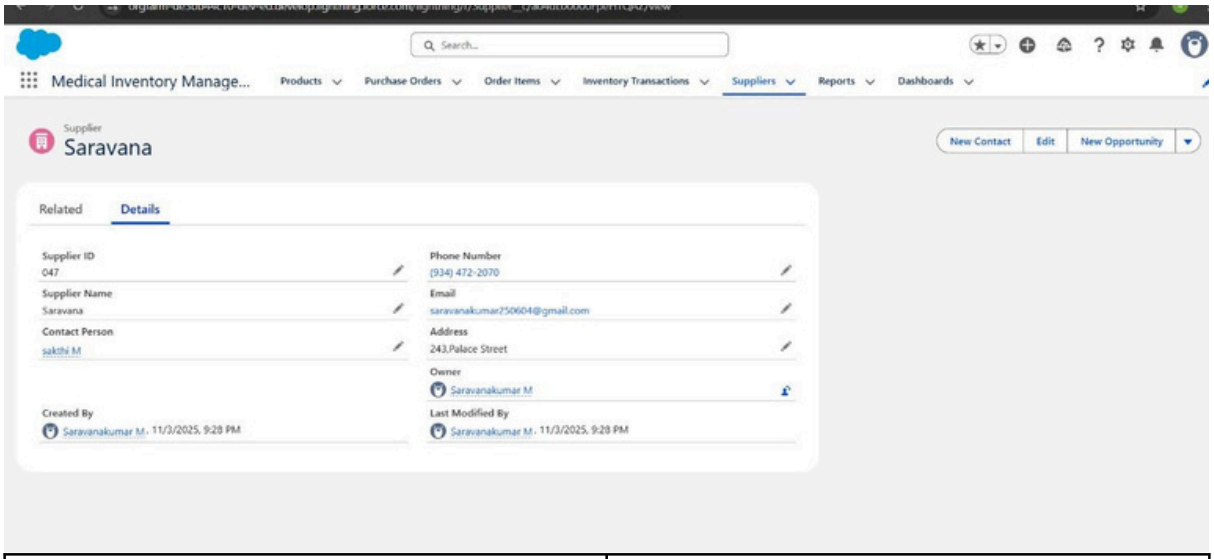
1) OrderCreationModuleTesting:



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.

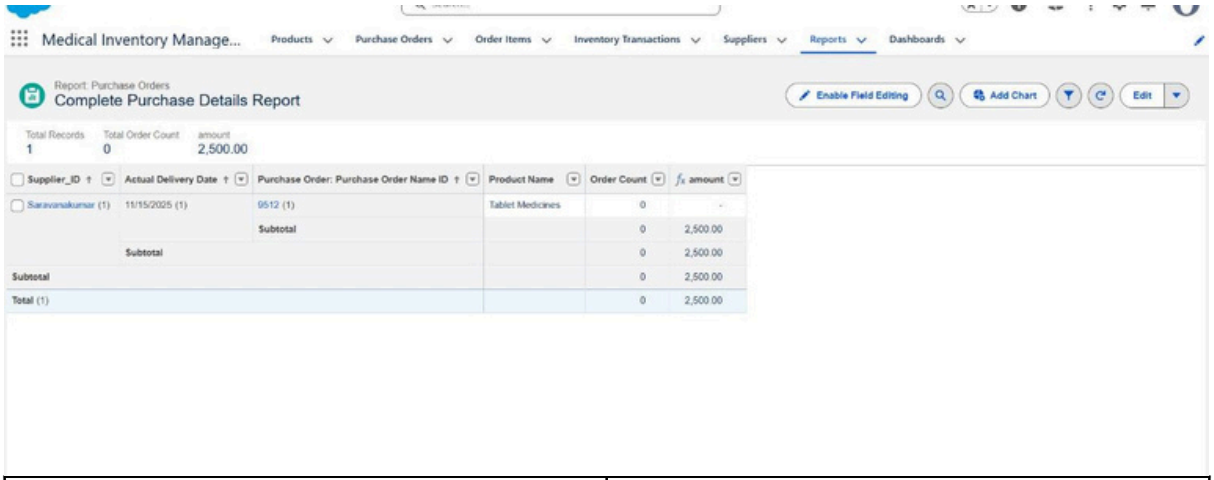
2) Supplier Creation Module Testing:





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:



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.
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.