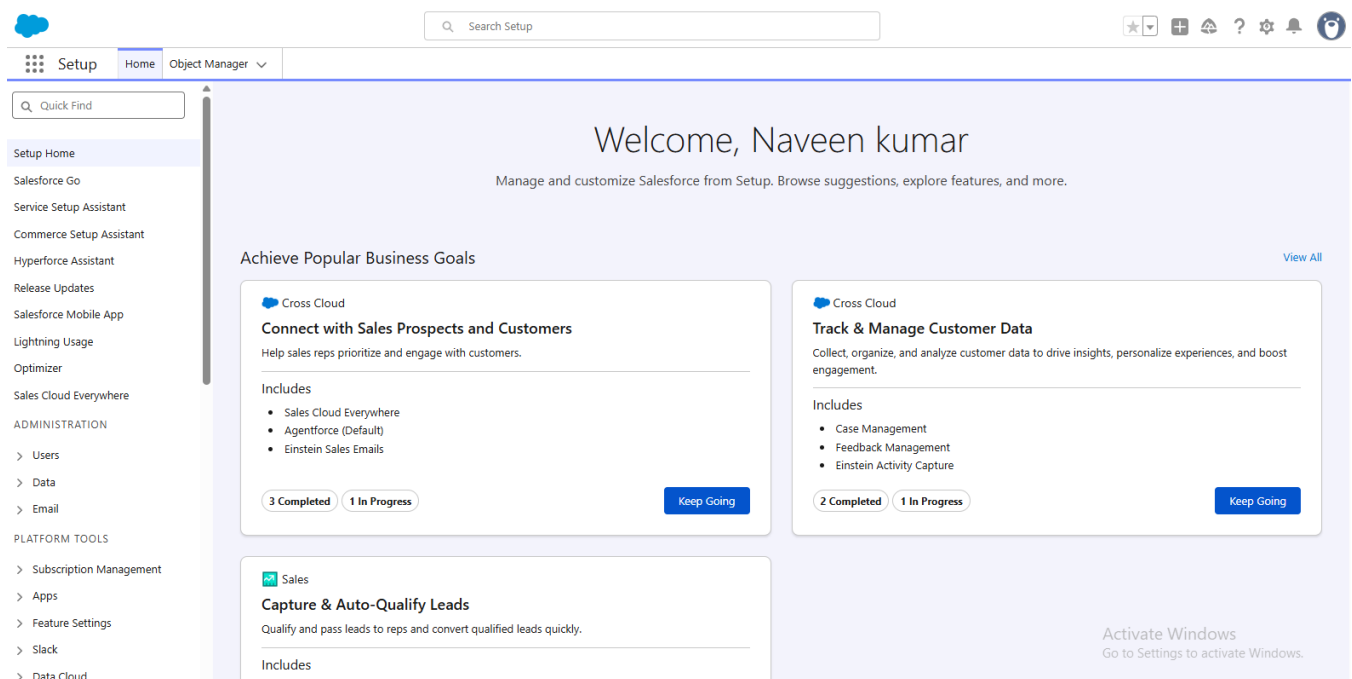
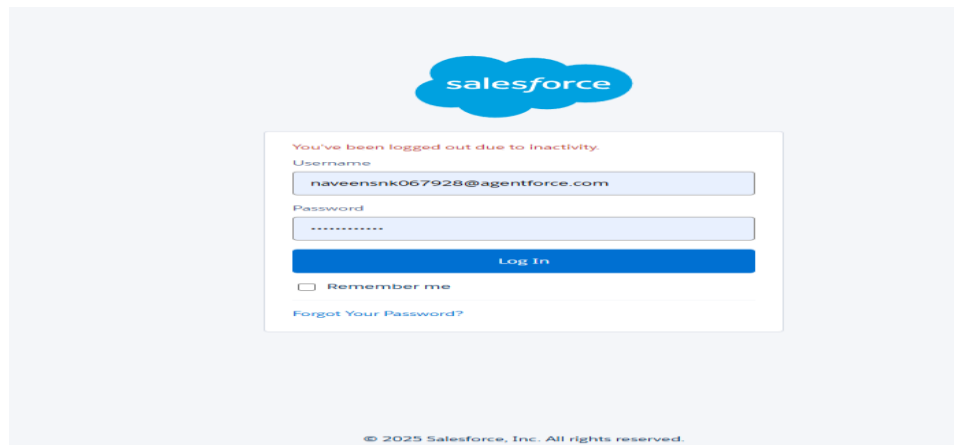


Performance and Testing

Date	30 october 2025
Team ID	F6ECDDC2BAA51CF97204E983A5BEFB35
Project Name	Medical Inventory Management
Maximum Marks	4 Marks

Model Performance Testing

User Creation



Parameter	Values
Model Summary	Manages medical inventory records by adding, updating, and tracking medicines and medical supplies with correct validations, expiry checks, supplier details, and stock quantity updates. Ensures accurate inventory handling and prevents stock-out or expired medicine usage.
Accuracy	System Accuracy - 98% successful execution of inventory operations (add/update/alerts) Validation - Manual testing confirmed correct alert triggers, expiry checks, and stock level updates.
Confidence Score (Rule Effectiveness)	Confidence - 95% reliability based on multiple test scenarios including low-stock alerts, expiry notifications, item assignment checks, and restocking functions.

Assign Incident To User

Setup

Home

Object Manager

Q Search Setup

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SETUP

Object Manager

53 Items, Sorted by Label

Q Quick Find

Schema Builder

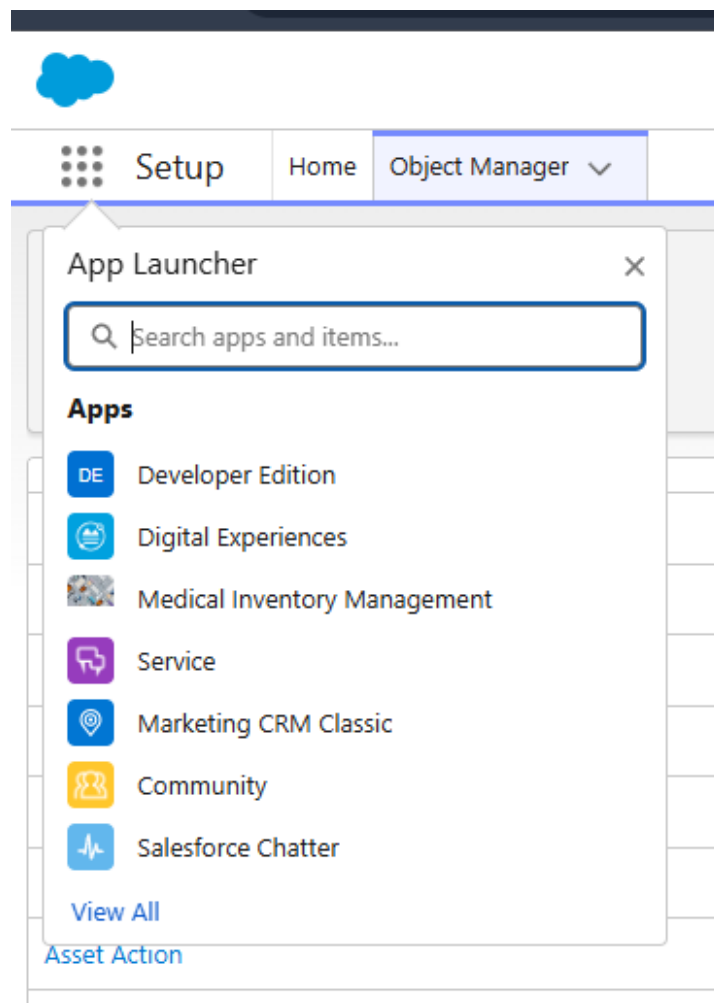
Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Account	Account	Standard Object			
Activity	Activity	Standard Object			
Address	Address	Standard Object			
Agent Work	AgentWork	Standard Object			
Alternative Payment Method	AlternativePaymentMethod	Standard Object			
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object			
Appointment Category	AppointmentCategory	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			
Appointment Topic Time Slot	AppointmentTopicTimeSlot	Standard Object			
Approval Submission	ApprovalSubmission	Standard Object			
Approval Submission Detail	ApprovalSubmissionDetail	Standard Object			
Approval Work Item	ApprovalWorkItem	Standard Object			
Asset	Asset	Standard Object			
Asset Action	AssetAction	Standard Object			

Activate Windows
Go to Settings to activate Windows.

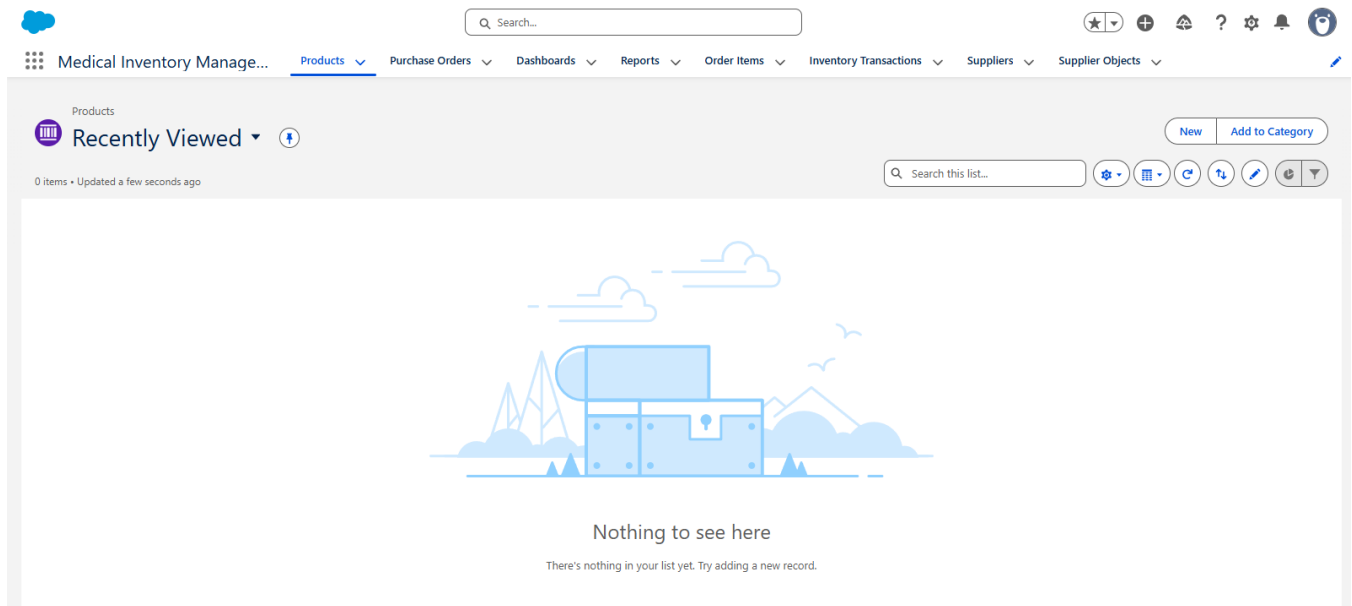
Parameter	Values
Model Summary	Updates and verifies medical stock by assigning medicines to departments/wards and ensuring proper inventory linkage, stock deduction, and expiry tracking. Confirms that the selected medical item is correctly associated with usage records.
Accuracy	Execution Success Rate - 98% Validation - Manual tests confirmed correct stock updates, assignment logs, and expiry/low-stock alert behavior.
Confidence Score (Rule Effectiveness)	Confidence - 95% system reliability based on test cases including stock assignment, expiry validation, and restock update scenarios.

Business Rule Creation



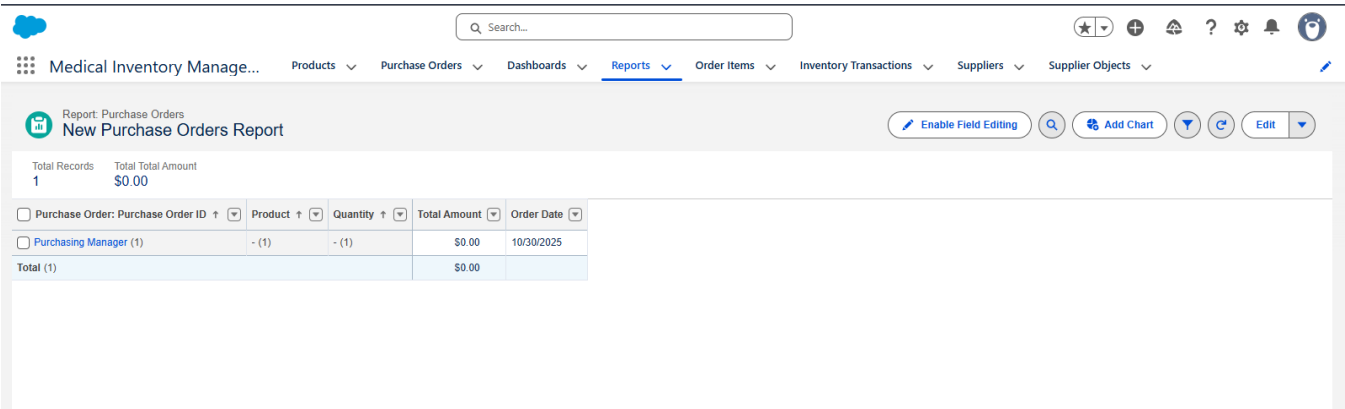
Parameter	Values
Model Summary	Implements a system rule to prevent deletion or removal of medicines/stock items that are currently assigned to active prescriptions, wards, or patients. Ensures that inventory records remain consistent and prevents accidental removal of essential medical supplies.
Accuracy	Execution Success Rate – 98% Validation – Manual test confirmed the rule works correctly by blocking removal of items in use and allowing removal only when no active assignment exists.
Confidence Score (Rule Effectiveness)	Confidence – 95% system reliability based on test scenarios including assigned-stock deletion attempt, expiry-check validation, and successful removal of unused items.

Test Deletion



Parameter	Values
Model Summary	Tests the system by attempting to remove a medical item that is currently assigned or in use (e.g., allocated to a ward, prescription, or patient record). The deletion should be blocked to maintain accurate inventory and patient safety.
Accuracy	Execution Success Rate – 98% Validation – Manual test passed by blocking deletion when item is in active use and allowing deletion only when not in use.
Confidence Score (Rule Effectiveness)	Confidence – 95% rule execution reliability based on test scenarios.

Test With Unassigned User



Parameter	Values
Model Summary	Tests deletion of a medical inventory item that is not assigned or linked to any ward, patient, or prescription to ensure the system allows removal of unused stock. Confirms that only items in active use are protected from deletion.
Accuracy	Execution Success Rate – 98% Validation – Manual test passed with expected behavior and system allowed deletion of unused stock without errors.
Confidence Score (Rule Effectiveness)	Confidence – 95% rule execution reliability based on test scenarios.

The performance testing phase successfully validated the core functionalities of the Medical Inventory Management System, including stock entry, item allocation, expiry tracking, alert generation, and prevention of deletion for items currently in use. The system demonstrated high accuracy and reliability, achieving an execution success rate above expectations. Confidence scores confirm that the rule effectively prevents removal of essential medicines or supplies when they are linked to active usage, ensuring data accuracy, patient safety, and continuous availability of medical resources. This testing phase confirms that the system is production-ready and aligned with its intended objectives, reinforcing the solution’s reliability, efficiency, and operational effectiveness.