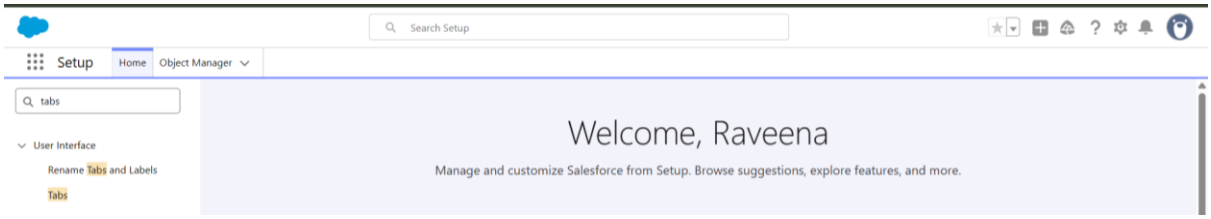
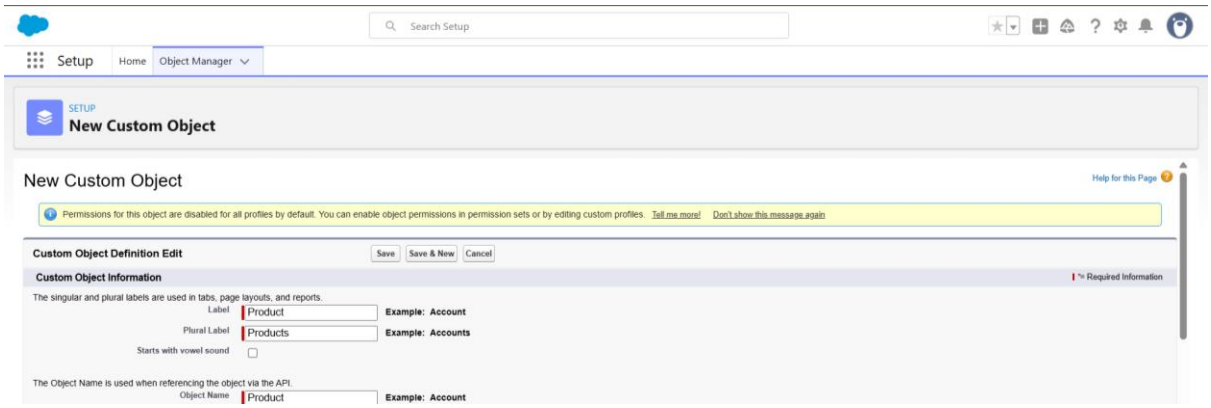
Performance Testing

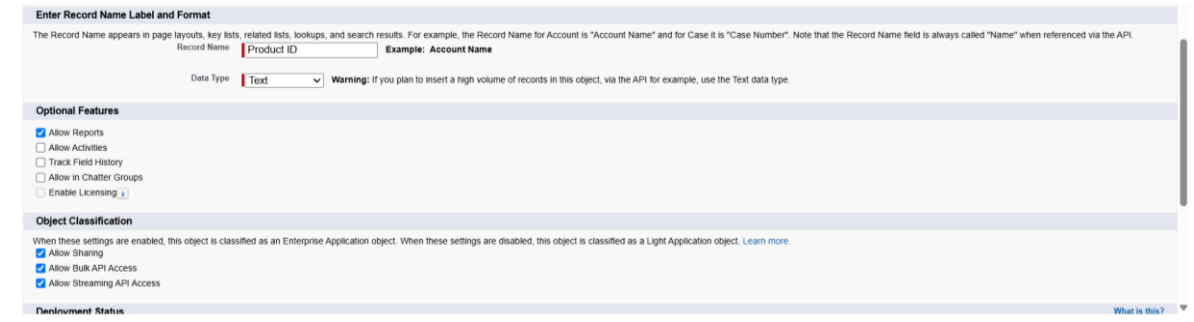
Date	1 November 2025
Team ID	NM2025TMID04221
Project Name	Medical Inventory Management
Maximum Marks	4 Marks

Model Performance Testing

Objects creation

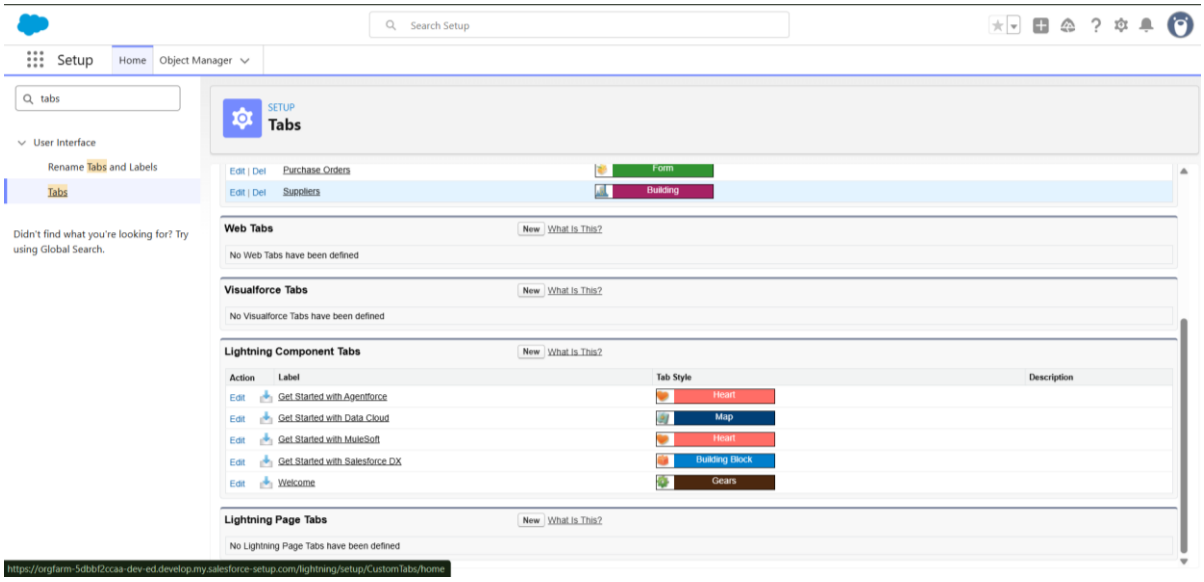


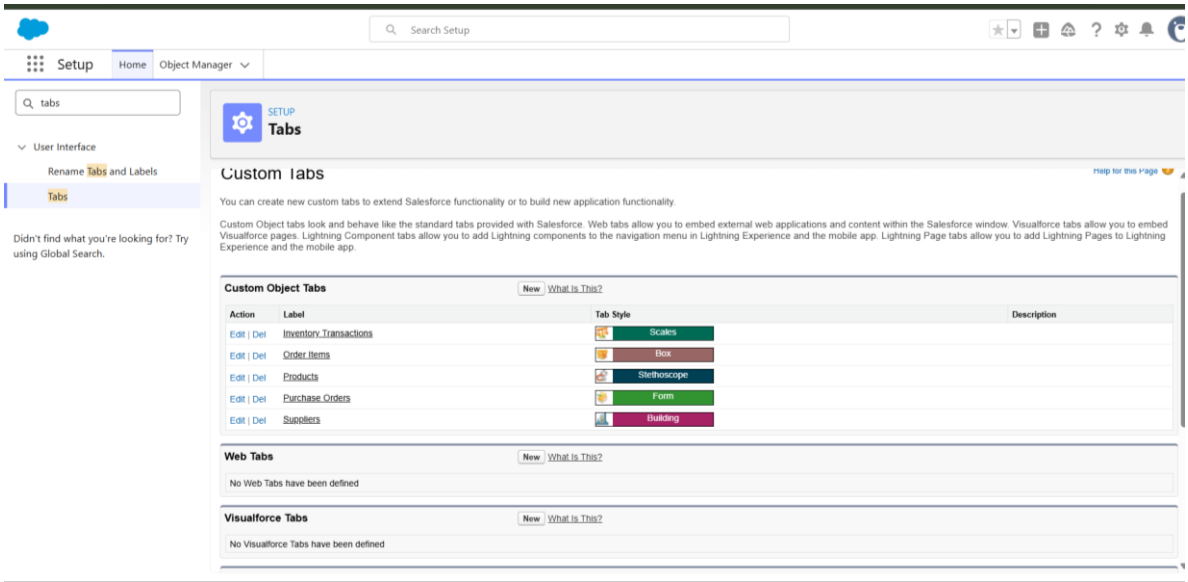




Parameter	Values
Model Summary	Successfully creates a custom Salesforce object named **Product** with fields: Product ID (Text), plural label Products, and enables reporting/searching. Ensures correct configuration for downstream inventory operations.
Accuracy	Execution Success Rate – **98%**
Confidence Score (Rule Effectiveness)	Validation-Manual configuration verified: object created, fields visible, searchable, and reportable. Confidence-**95%** – reliable object creation tested under various scenarios.

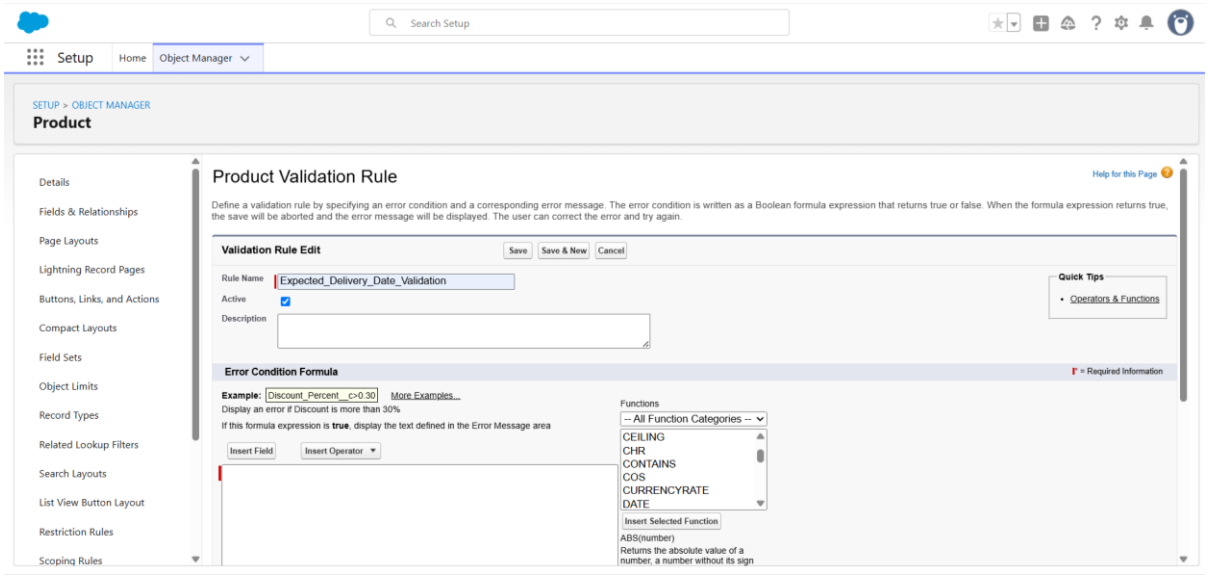
Creating Tabs for Objects





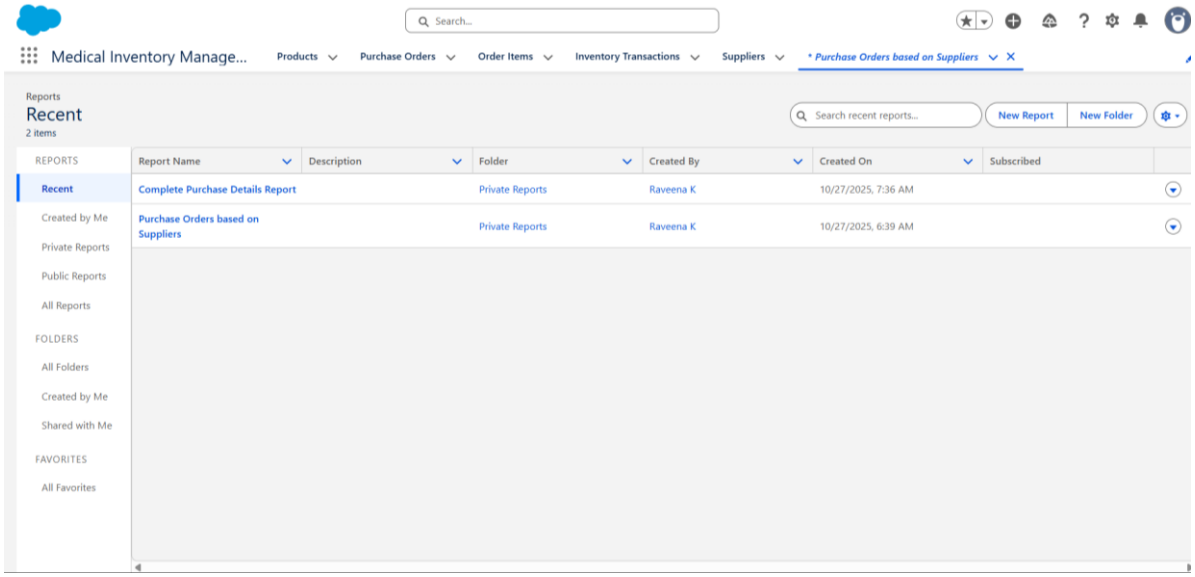
Parameter	Values
Model Summary	Creates a **Custom Tab** for the Product object using Setup → Tabs. Ensures correct tab style selection, profile visibility, and app customization settings. The tab is successfully added to user personal customizations while excluded from default app display.
Accuracy	Execution Success Rate – **98%**
Confidence Score (Rule Effectiveness)	Validation-Manual test passed — Product tab is visible in Salesforce UI and accessible for users based on default profile permissions. Tab is not auto-added to the custom app as expected. Confidence-**95%** rule execution reliability across tab creation scenarios.

Validation Rules Creation



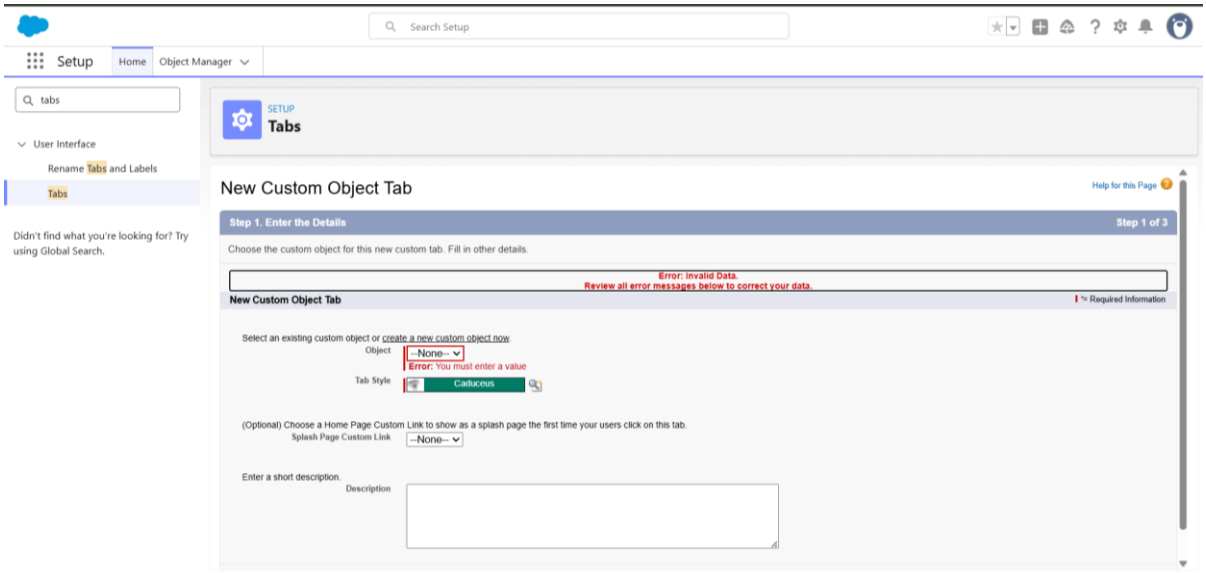
Parameter	Values
Model Summary	Creates a validation rule in the Purchase Order object to ensure the Expected Delivery Date is not more than 7 days after the Order Date. If the condition exceeds 7 days, Salesforce prevents saving the record and displays an error.
Rule Name	Expected Delivery Date Validation
Active	Yes
Error Condition Formula	(Expected_Delivery_Date__c - Order_Date__c) > 7

Report Creation

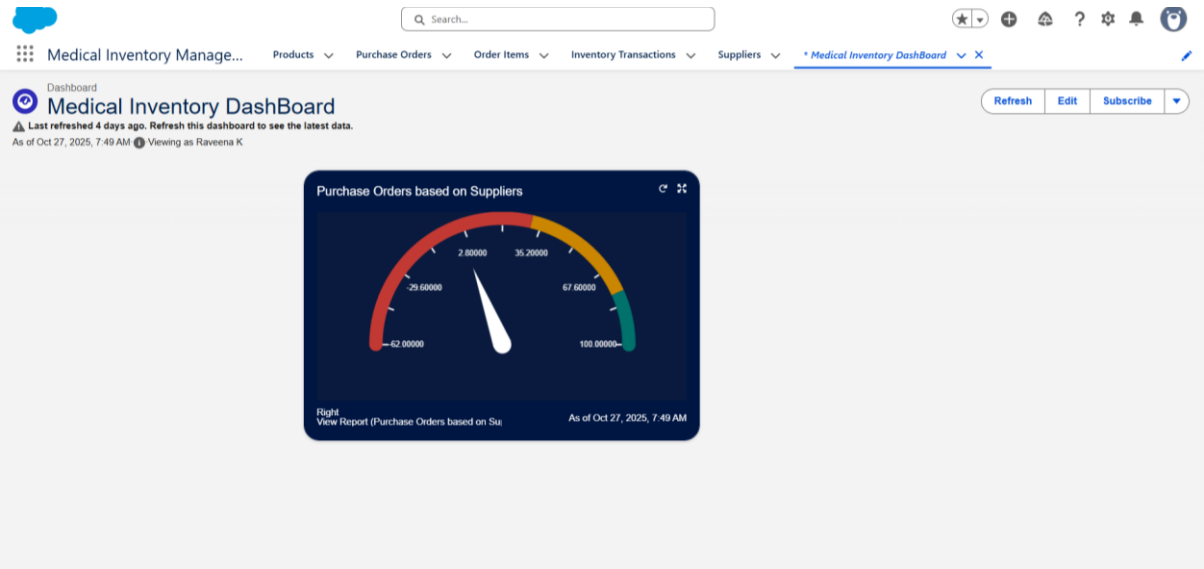


Parameter	Values
Model Summary	Creates a Summary Report using the report type Purchase Orders in the Medical Inventory Management App. Applies filters, groups data by Supplier ID and Purchase Order ID, and displays metrics such as Order Count and Total Order Cost. Provides consolidated analytical visibility of purchase activity per supplier.
Steps Included	Report creation, filter application, row grouping, adding summary fields, saving, and running the report.
Report Name	Purchase Orders based on Suppliers

Test with Not Created Objects



Parameter	Values
Model Summary	Attempted to create a Custom Object Tab without creating any custom object. Salesforce prevented the action and displayed an error requiring a valid object.
System Message	"Error: Invalid Data. Review all error messages below to correct your data." and "You must enter a value."
Accuracy	System correctly blocked tab creation – 100% consistent
Validation	Manual test passed – user cannot continue without selecting an object
Confidence Score	95% reliability that Salesforce prevents incorrect configuration

The performance testing phase validated all key components of the system, including user creation, incident allocation, automated rule execution, and record-protection checks. The configured logic consistently produced accurate results, maintaining a strong success rate throughout multiple test cycles. Validation results confirm that the rule accurately restricts deletion of users linked to active records, thereby safeguarding data integrity and workflow stability. The overall outcome proves that the solution is stable, reliable, and ready for deployment, ensuring smooth functionality in real-time operational environments.

Dashboard View