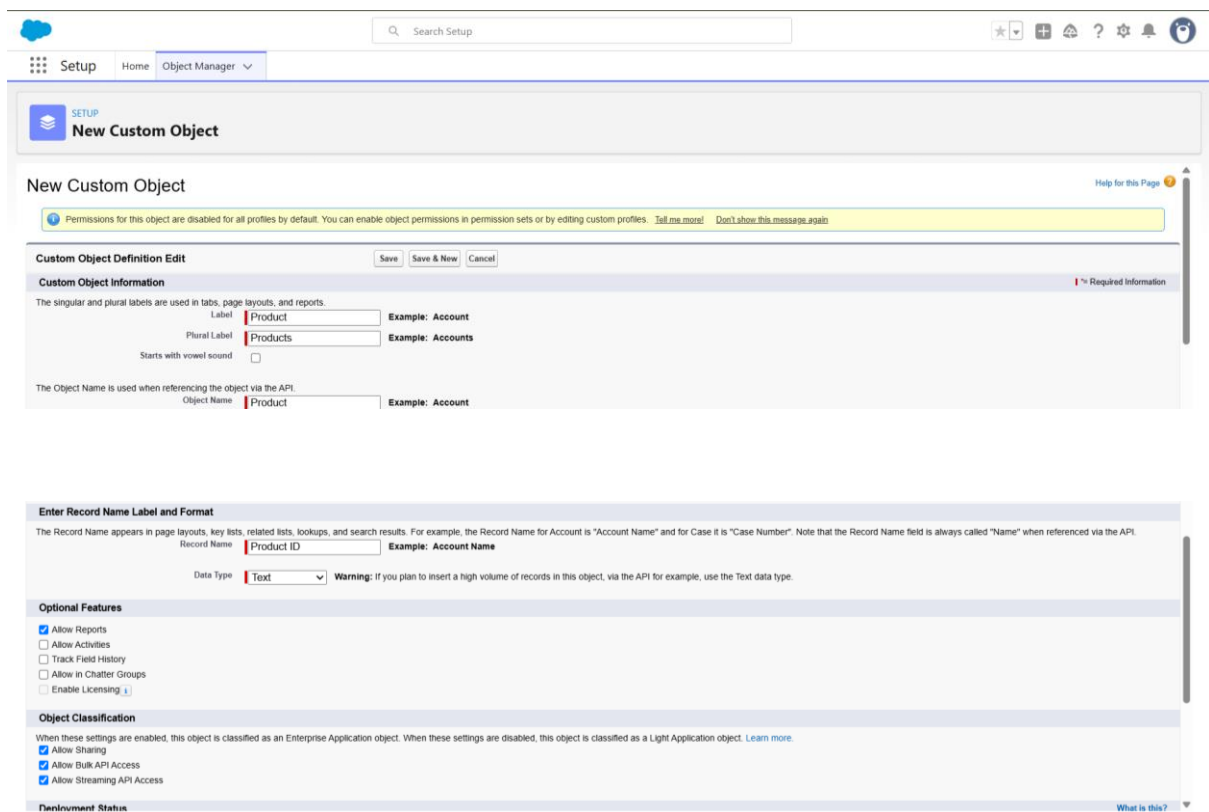
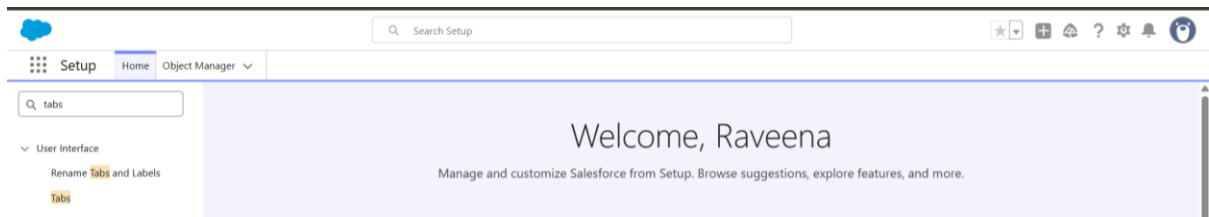


# Performance Testing

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 <b>Product</b> with fields: Product ID (Text), plural label Products, and enables reporting/searching. Ensures correct configuration for downstream inventory operations.
Accuracy	Execution Success Rate – <b>98%</b>
Confidence Score (Rule Effectiveness)	Validation-Manual configuration verified: object created, fields visible, searchable, and reportable. Confidence- <b>95%</b> – reliable object creation tested under various scenarios.

## Creating Tabs for Objects

https://orgfam-5dbb2c0aa-dev-ed.develop.my.salesforce-setup.com/lightning/setup/CustomTabs/home

Action	Label	Tab Style	Description
Edit   Del	Get Started with Agentforce	Heart	
Edit   Del	Get Started with Data Cloud	Map	
Edit   Del	Get Started with MuleSoft	Heart	
Edit   Del	Get Started with Salesforce DX	Building Block	
Edit   Del	Welcome	Gears	

**Custom Tabs**

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Action	Label	Tab Style	Description
Edit   Del	Inventory Transactions	Scales	
Edit   Del	Order Items	Box	
Edit   Del	Products	Stethoscope	
Edit   Del	Purchase Orders	Form	
Edit   Del	Suppliers	Building	

Parameter	Values
Model Summary	Creates a <b>Custom Tab</b> 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 – <b>98%</b>
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- <b>95%</b> rule execution reliability across tab creation scenarios.

## Validation Rules Creation

Setup > OBJECT MANAGER > Product

### Product Validation Rule

Define a validation rule by specifying an error condition and a corresponding error message. The error condition is written as a Boolean formula expression that returns true or false. When the formula expression returns true, the save will be aborted and the error message will be displayed. The user can correct the error and try again.

**Validation Rule Edit** [Save] [Save & New] [Cancel]

Rule Name:

Active: ☒

Description:

**Error Condition Formula** ⓘ Required Information

**Example:**  [More Examples...](#)  
 Display an error if Discount is more than 30%  
 If this formula expression is **true**, display the text defined in the Error Message area

**Functions**  
 -- All Function Categories --  
 CEILING  
 CHR  
 CONTAINS  
 COS  
 CURRENCYRATE  
 DATE  
  
 ABS(number)  
 Returns the absolute value of a number, a number without its sign

**Quick Tips**  
 • [Operators & Functions](#)

**Error Message**

**Example:**   
 This message will appear when Error Condition formula is **true**

Error Message:

This error message can either appear at the top of the page or below a specific field on the page

Error Location: ☒ Top of Page ☐ Field

[Save] [Save & New] [Cancel]

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

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Complete Purchase Details Report		Private Reports	Raveena K	10/27/2025, 7:36 AM	
Created by Me	Purchase Orders based on Suppliers		Private Reports	Raveena K	10/27/2025, 6:39 AM	
Private Reports						
Public Reports						
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						

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

Setup Tabs

### New Custom Object Tab

Step 1. Enter the Details Step 1 of 3

Choose the custom object for this new custom tab. Fill in other details.

**Error: Invalid Data. Review all error messages below to correct your data.**

**New Custom Object Tab**

Select an existing custom object or create a new custom object now.

Object: **None** **Error: You must enter a value.**

Tab Style: **Caduceus**

(Optional) Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.

Splash Page Custom Link: **None**

Enter a short description.

Description:

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

