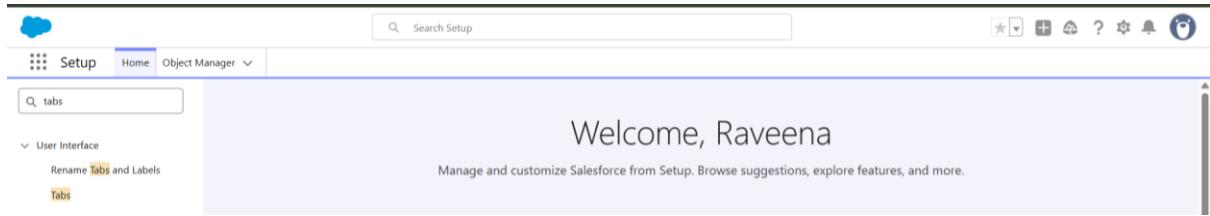


# Performance Testing

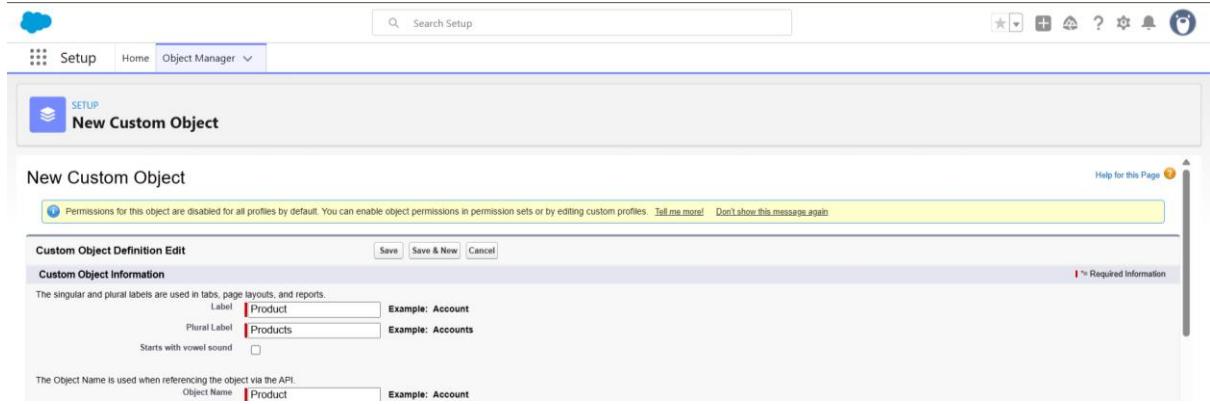
Date	1 November 2025
Team ID	NM2025TMID04221
Project Name	Medical Inventory Management
Maximum Marks	4 Marks

## Model Performance Testing

### Objects creation



Welcome, Raveena  
Manage and customize Salesforce from Setup. Browse suggestions, explore features, and more.



New Custom Object

Custom Object Definition Edit

Custom Object Information

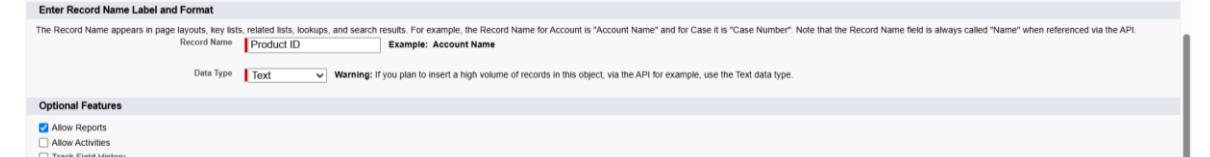
The singular and plural labels are used in tabs, page layouts, and reports.

Label	Product	Example: Account
Plural Label	Products	Example: Accounts
Starts with vowel sound	<input type="checkbox"/>	

The Object Name is used when referencing the object via the API.

Object Name	Product	Example: Account
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Help for this Page



Enter Record Name Label and Format

The Record Name appears in page layouts, key lists, related lists, lookups, and search results. For example, the Record Name for Account is "Account Name" and for Case it is "Case Number". Note that the Record Name field is always called "Name" when referenced via the API.

Record Name	Product ID	Example: Account Name
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Data Type: Text

Warning: If you plan to insert a high volume of records in this object, via the API for example, use the Text data type.



Optional Features

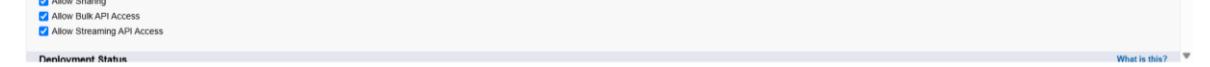
Allow Reports

Allow Activities

Track Field History

Allow in Chatter Groups

Enable Licensing



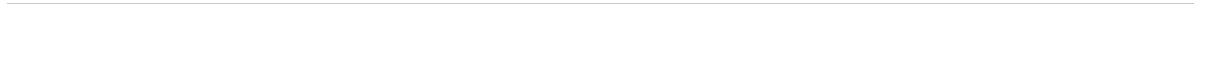
Object Classification

When these settings are enabled, this object is classified as an Enterprise Application object. When these settings are disabled, this object is classified as a Light Application object. [Learn more](#).

Allow Sharing

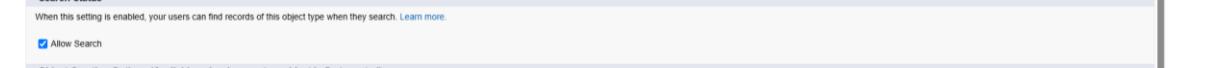
Allow Bulk API Access

Allow Streaming API Access



Deployment Status

What is this?



Search Status

When this setting is enabled, your users can find records of this object type when they search. [Learn more](#).

Allow Search



Object Creation Options (Available only when custom object is first created)

Add Notes and Attachments related list to default page layout

Launch New Custom Tab Wizard after saving this custom object

Save Save & New Cancel

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.

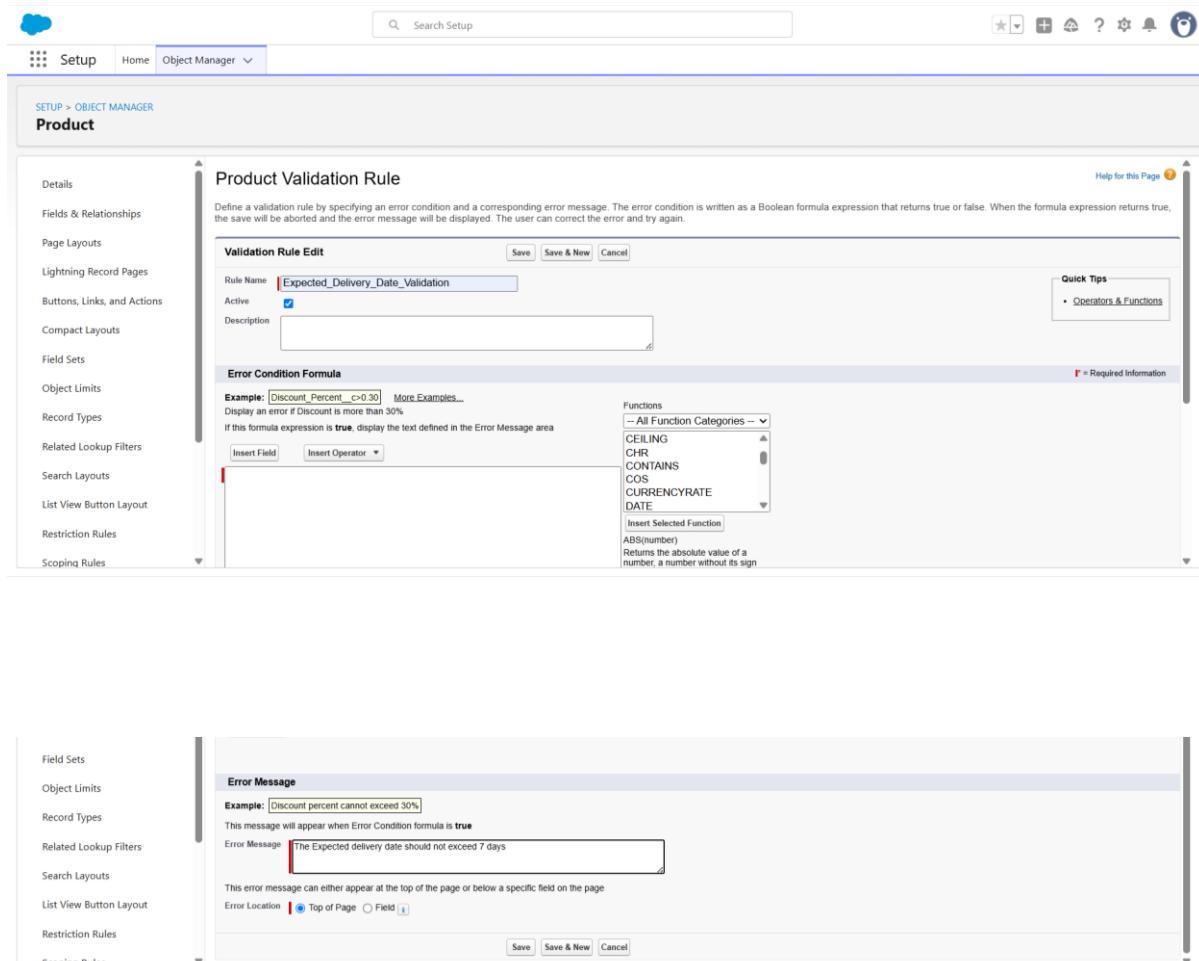
## Creating Tabs for Objects

The screenshot shows the Salesforce Setup interface with the 'Tabs' page selected. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. A search bar at the top right contains 'Search Setup'. Below the navigation, there's a sidebar with a 'User Interface' section containing 'Rename Tabs and Labels' and 'Tabs' (which is currently selected). A note says 'Didn't find what you're looking for? Try using Global Search.' The main content area has tabs for 'Web Tabs', 'Visualforce Tabs', 'Lightning Component Tabs', and 'Lightning Page Tabs'. Under 'Lightning Component Tabs', there's a table with columns for 'Action', 'Label', 'Tab Style', and 'Description'. The table lists several tabs with icons: 'Get Started with Agentforce' (Heart), 'Get Started with Data Cloud' (Map), 'Get Started with MuleSoft' (Heart), 'Get Started with Salesforce DX' (Building Block), and 'Welcome' (Gears).

The screenshot shows the Salesforce Setup interface with the 'Custom Tabs' page selected. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. A search bar at the top right contains 'Search Setup'. Below the navigation, there's a sidebar with a 'User Interface' section containing 'Rename Tabs and Labels' and 'Tabs' (which is currently selected). A note says 'Didn't find what you're looking for? Try using Global Search.' The main content area has a 'Custom Tabs' section with a note: '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.' Below this, there's a 'Custom Object Tabs' table with columns for 'Action', 'Label', 'Tab Style', and 'Description'. The table lists five tabs: 'Inventory Transactions' (Scales), 'Order Items' (Box), 'Products' (Stethoscope), 'Purchase Orders' (Form), and 'Suppliers' (Building). There are also sections for 'Web Tabs' and 'Visualforce Tabs'.

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

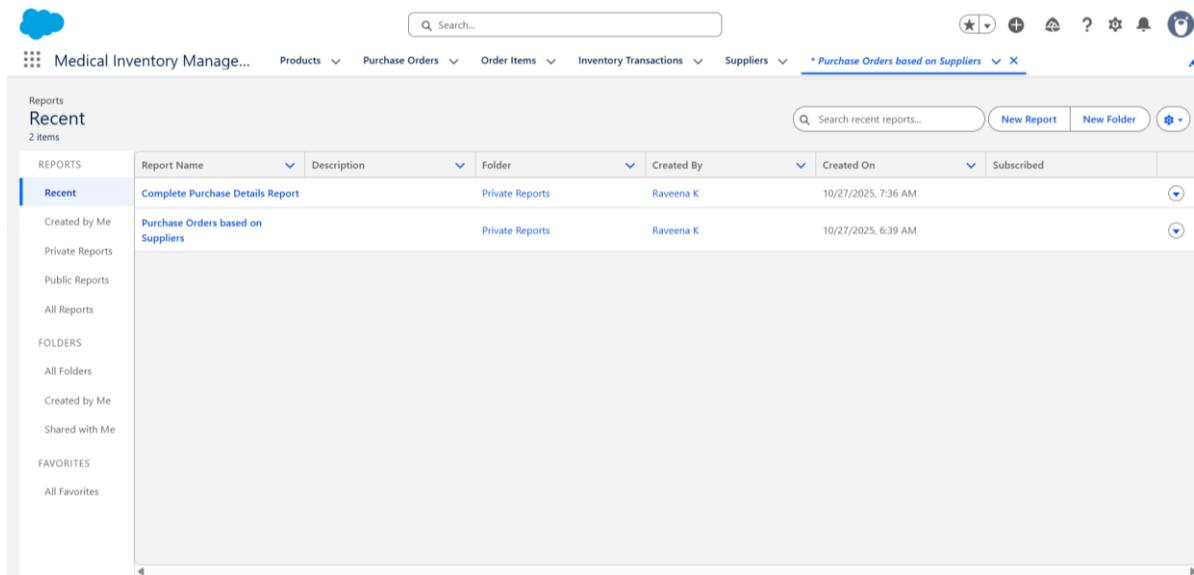


The screenshot shows the Salesforce Setup interface for creating a validation rule for the Product object. The left sidebar lists various object configuration options like Details, Fields & Relationships, Page Layouts, etc. The main area is titled "Product Validation Rule" and contains the following fields:

- Validation Rule Edit**: A form with "Rule Name" set to "Expected\_Delivery\_Date\_Validation", "Active" checked, and a "Description" field.
- Error Condition Formula**: An example formula "Discount\_Percent\_c>0.30" with a note: "Display an error if Discount is more than 30%". It includes a "Functions" dropdown with options like CEILING, CHR, CONTAINS, COS, CURRENCYRATE, DATE, and ABS(number).
- Error Message**: An example message "Discount percent cannot exceed 30%" with a note: "This message will appear when Error Condition formula is true". It includes an "Error Message" input field containing "The Expected delivery date should not exceed 7 days" and an "Error Location" dropdown with "Top of Page" selected.

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



The screenshot shows the Salesforce Reports interface. On the left, there's a sidebar with categories like Reports, Recent, Reports, Recent, Folders, Favorites, and Favorites. The main area shows a table of recent reports. The columns are Report Name, Description, Folder, Created By, Created On, and Subscribed. There are two reports listed:

- Complete Purchase Details Report: Private Reports, Raveena K, 10/27/2025, 7:36 AM, Subscribed
- Purchase Orders based on Suppliers: Private Reports, Raveena K, 10/27/2025, 6:39 AM, Subscribed

At the top, there are navigation tabs for Products, Purchase Orders, Order Items, Inventory Transactions, and Suppliers, along with a search bar and various icons.

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

The screenshot shows the Salesforce Setup interface with the 'Tabs' page selected. A search bar at the top right contains the text 'Search Setup'. The left sidebar has 'Setup' selected and shows 'User Interface' with 'Tabs' highlighted. A global search bar at the bottom left contains the text 'tabs'. The main content area is titled 'New Custom Object Tab' under 'Step 1, Enter the Details'. It asks to choose a custom object for the tab. In the 'Object' dropdown, 'None' is selected, which triggers an error message: 'Error: You must enter a value'. Below the dropdown is a 'Tab Style' section with 'Card' selected. An optional 'Splash Page Custom Link' dropdown is set to 'None'. A 'Description' field is present but empty. The status bar at the bottom right indicates 'Step 1 of 3'.

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

