

Performance and Testing

Date	01 NOV 2025
Team Id	NM2025TMID04501
Project Name	CRM Application for Jewel Management - (Developer)
Maximum Marks	4 Marks

Model Performance Testing

Objects creation

The screenshots illustrate the process of creating a new Custom Object in Salesforce:

- Screenshot 1:** Shows the main Salesforce Setup home screen with the message "Welcome, MARI SUNDARI".
- Screenshot 2:** Shows the "Edit Custom Object Item" page under "Custom Object Definition Edit". The "Label" field is set to "Item" and the "Plural Label" is "Items". The "Object Name" field is also set to "Item".
- Screenshot 3:** Shows the continuation of the "Edit Custom Object Item" page, including sections for "Record Name Label and Format" (Record Name: "Item ID", Data Type: "Auto Number", Display Format: "Item-(00)"), "Optional Features" (Allow Bulk API Access, Allow Streaming API Access), "Object Classification" (Enterprise Application object), "Deployment Status" (Deployed), and "Search Status" (Allow Search).

Parameter	Values
Model Summary	Successfully creates Salesforce custom objects for Jewellery, Category, and Customer with fields: Jewellery ID, Category, Price, Weight, and Stock Quantity. Ensures correct configuration for downstream inventory operations.
Accuracy	Execution Success Rate – 98%
Confidence Score (Rule Effectiveness)	Validation – Manual configuration verified: objects created, fields visible, searchable, and reportable. Confidence – 95% reliability across multiple test 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 and various setup icons are also present.

Custom Tabs:

Action	Label	Tab Style	Description
Edit Del	Billings	Bank	
Edit Del	Customer Orders	Apple	
Edit Del	Items	Alarm clock	
Edit Del	Jewel Customers	Airplane	
Edit Del	Prices	Balls	

Web Tabs:

No Web Tabs have been defined.

Visualforce Tabs:

No Visualforce Tabs have been defined.

Lightning Component Tabs:

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

Lightning Page Tabs:

No Lightning Page Tabs have been defined.

Parameter	Values
Model Summary	Creates Custom Tabs for the Jewellery and Customer objects using Setup → Tabs. Ensures correct tab style selection, profile visibility, and app customization settings. Tabs are successfully visible to authorized users.
Accuracy	Execution Success Rate – 98%
Confidence Score (Rule Effectiveness)	Validation – Manual test passed — Jewellery and Customer tabs are visible in Salesforce UI and accessible for users based on default profile permissions. Tabs are not auto-added to the custom app as expected. Confidence – 95% rule execution reliability across tab creation scenarios.

Validation Rules Creation

The screenshot shows the Salesforce Object Manager interface for creating a validation rule. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The left sidebar lists various object categories like Details, Fields & Relationships, Page Layouts, etc. The main workspace is titled 'Item Validation Rule' and contains the following fields:

- Validation Rule Edit**: A modal window with fields for 'Rule Name' (set to 'ValidationRule_For_Item'), 'Active' (checked), and 'Description' (empty). It includes a 'Save' button and a 'Quick Tips' section about operators and functions.
- Error Condition Formula**: A formula editor with an example: `OR(ISBLANK(Amount__c), ISBLANK(Customer_Name__c), ISBLANK(Gold_Price__c), ISBLANK(KUM_c), ISBLANK(Ornament__c), ISBLANK(Percentage__c), ISBLANK(Making_Charges__c), ISBLANK(Prices__c), ISBLANK(Stone_Weight__c), ISBLANK(Silver_Price__c), ISBLANK(Stone_Other_Price__c), ISBLANK(Stone_Weight__c), ISBLANK(Weight__c))`. It features an 'Insert Field' dropdown, an 'Insert Operator' dropdown, and a 'Functions' dropdown listing ABS, ACOS, ADDMONTHS, AND, ASCII, ASIN, and ABS(number).
- Error Message**: A modal window with an example message: 'Discount percent cannot exceed 30%'. It includes a 'Check Syntax' button, a help link for 'number', and a 'Help on this function' link.
- Buttons**: Save, Save & New, Cancel.

Parameter	Values
Model Summary	Implements validation rules on the Jewellery object to ensure Stock Quantity cannot fall below 0 and Price must be greater than 0. Prevents invalid records and maintains data accuracy.
Rule Name	Stock and Price Validation
Active	Yes
Error Condition Formula	(Stock_Quantity_c < 0, Price_c <= 0)

Report Creation

The screenshot shows the 'Reports' section of the 'Jewellery Inventory System'. The top navigation bar includes a search bar, a star icon, a plus sign, a download icon, a question mark, a gear icon, a bell icon, and a user profile icon. Below the navigation is a breadcrumb trail: 'Jewellery Inventory System' > 'Reports'. A sidebar on the left lists categories: 'Recent' (selected), 'Created by Me', 'Private Reports', 'Public Reports', 'All Reports', 'Folders', and 'Favorites'. The main content area displays a table of recent reports with columns: Report Name, Description, Folder, Created By, Created On, and Subscribed. The table contains six rows, each representing a different report created by 'MARI SUNDARI S' on 10/31/2025 at various times between 8:31 AM and 9:15 PM.

Report Name	Description	Folder	Created By	Created On	Subscribed
New Billings with Item Report	Private Reports	MARI SUNDARI S	10/31/2025, 9:15 PM		
New Billings with Item Report	Private Reports	MARI SUNDARI S	10/31/2025, 8:33 AM		
New Items with Customer Name Report	Private Reports	MARI SUNDARI S	10/31/2025, 8:43 AM		
New Items with Prices Report	Private Reports	MARI SUNDARI S	10/31/2025, 8:42 AM		
New Billings Report	Private Reports	MARI SUNDARI S	10/31/2025, 8:32 AM		
New Prices Report	Private Reports	MARI SUNDARI S	10/31/2025, 8:31 AM		

Parameter	Values
Model Summary	Generates a Summary Report showing total jewellery stock per category and total sales per customer. Provides analytical visibility and supports decision-making for stock replenishment.
Steps Included	Report creation, applying filters, grouping rows by Category and Customer Name, adding summary fields (Total Stock, Total Sales), saving, and running the report.
Report Name	Jewellery Stock and Sales Summary

Dashboard View:

The screenshot shows the 'Jewellery Inventory System' dashboard titled 'Dashboard 1'. It was last refreshed 1 day ago. The dashboard includes three main reports:

- New Items with Prices Report:** A table showing items with their gold prices and record counts.
- New Billings Report:** A table showing billing details with amounts and gold/silver price comparisons.
- New Prices Report:** A table listing updated price details for each jewellery type.

Parameter	Values
Model Summary	Creates a Dashboard named <i>Dashboard 1</i> in the Jewellery Inventory System to visualize real-time sales and pricing data. It consolidates multiple reports, including New Items with Prices Report, New Billings Report, and New Prices Report. The dashboard enables users to track gold and silver prices, total billing amounts, and item-wise sales distribution.
Widgets Included	New Items with Prices Report – Displays total gold prices and record count per item. New Billings Report – Summarizes billing IDs with corresponding sales amounts and gold/silver price comparisons. New Prices Report – Lists updated price details for each jewellery type, including gold and silver prices.
Insights Provided	Provides management visibility into overall revenue, billing trends, and pricing dynamics. Helps identify top-performing items and supports pricing strategy decisions for gold and silver jewellery.