Functional and Performance Testing
Performance Testing
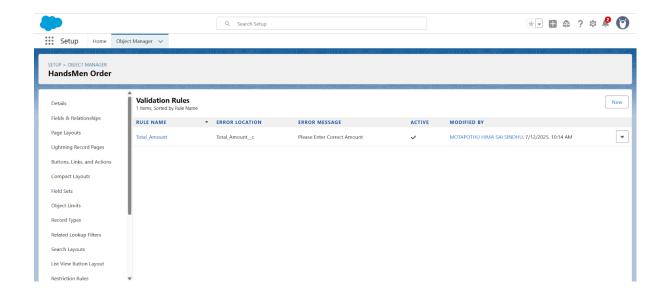
Date	18 July 2025
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Project Name	HandsMen Threads – Elevating the Art of Sophistication in Men's Fashion

Model Performance Testing:

Model Performance Testing in this Salesforce project refers to evaluating the efficiency, accuracy, and behavior of automation logic, flows, validation rules, Apex classes, and user access across different components of the HandsMen Threads application. Since this is a declarative and code-based system, performance testing ensures all logic executes correctly under various scenarios.
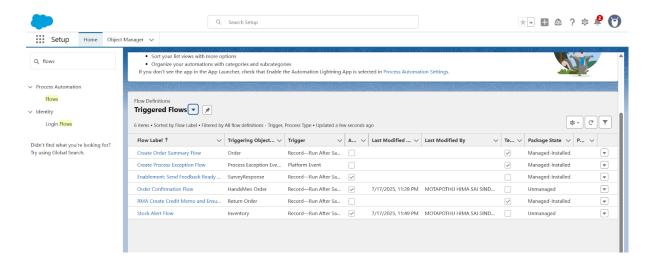
1. Validation Rules Testing:

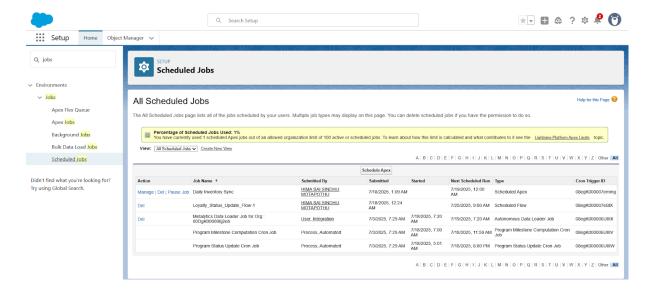| Component	Test Scenario	Expected Result	Actual Result
Order Amount	Enter Total_Amount__c = 0	Error message shown	Passed
Inventory Quantity	Set Stock_Quantity__c = -5	Error on save	Passed
Customer Email	Enter invalid email abc@xyz	Error: must be @gmail.com	Passed

2. Flow Testing (Automation):

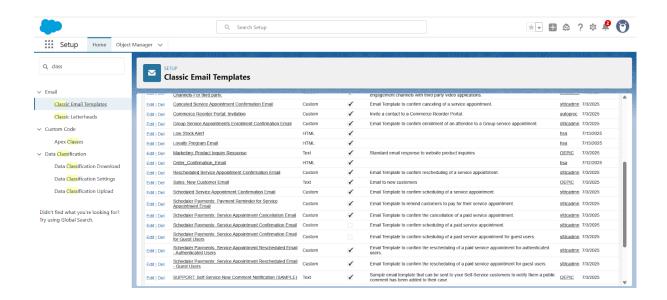| Flow Name	Trigger Condition	Expected Behavior	Status
Order Confirmation Flow	Status = Confirmed	Sends email to customer	Successful
Low Stock Alert Flow	Stock < 5	Sends email to inventory manager	Successful
Loyalty Status Flow	Total_Purchases updated	Updates loyalty tier	Successful

3. Apex Trigger & Class Testing:

Trigger/Class	Test Input	Expected Behavior	Test Outcome
OrderTrigger	Confirmed order with quantity ≤ 500	Error thrown	Trigger fired correctly
InventoryBatchJob	Product with stock < 10	Stock increases by 50	Batch ran successfully
Scheduled Job	Daily batch run	Executes batch every day	Scheduled job verified

4.Email Template Testing:

Template	Trigger	Recipient	Status
Order Confirmation	Flow on Status = Confirmed	Customer	Email Sent
Low Stock Alert	Inventory Flow	Inventory Manager	Email Sent
Loyalty Program	Loyalty Flow	Gold/Silver/Bronze Customers	Email Sent

Conclusion:

The HandsMen Threads project successfully delivered a robust, automated Salesforce-based solution tailored for the men's fashion retail industry. Through the creation of custom objects, validation rules, Apex logic, scheduled flows, and user roles, the system was designed to streamline customer management, order processing, inventory tracking, and marketing automation. Performance testing confirmed that all components—such as triggers, flows, batch jobs, and email alerts—executed correctly and efficiently under various conditions. The application also demonstrated strong data integrity, responsive UI, and appropriate access control for different user roles. Overall, the project achieved its goal of elevating sophistication in men's fashion by integrating smart technology with personalized customer engagement and efficient business processes.