

Functional and Performance Testing

Performance Testing

Date	18 July 2025
Name	Motapothu Hima Sai Sindhu
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

The screenshot shows the Salesforce Setup interface. The top navigation bar includes the Salesforce logo, a search bar, and various utility icons. The main navigation menu on the left lists options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, and Restriction Rules. The main content area is titled 'HANDSMEN ORDER' and displays the 'Validation Rules' section. It shows a table with one validation rule named 'Total_Amount'. The table columns are RULE NAME, ERROR LOCATION, ERROR MESSAGE, ACTIVE, and MODIFIED BY. The rule is active and was modified by MOTAPOTHU HIMA SAI SINDHU on 7/12/2025 at 10:14 AM. The error message is 'Please Enter Correct Amount'.

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Total_Amount	Total_Amount__c	Please Enter Correct Amount	✓	MOTAPOTHU HIMA SAI SINDHU, 7/12/2025, 10:14 AM

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

flows

Process Automation

Flows

Identity

Login Flows

Didn't find what you're looking for?
Try using Global Search.

Search Setup

Setup

Home

Object Manager

Flow Definitions

Triggered Flows

6 items • Sorted by Flow Label • Filtered by All flow definitions - Trigger, Process Type • Updated a few seconds ago

Flow Label ↑	Triggering Object...	Trigger	A...	Last Modified ...	Last Modified By	Te...	Package State	P...
Create Order Summary Flow	Order	Record—Run After Sa...	<input type="checkbox"/>			<input checked="" type="checkbox"/>	Managed-Installed	
Create Process Exception Flow	Process Exception Eve...	Platform Event	<input type="checkbox"/>			<input checked="" type="checkbox"/>	Managed-Installed	
Enablement: Send Feedback Ready ...	SurveyResponse	Record—Run After Sa...	<input checked="" type="checkbox"/>			<input type="checkbox"/>	Managed-Installed	
Order Confirmation Flow	HandsMen Order	Record—Run After Sa...	<input checked="" type="checkbox"/>	7/17/2025, 11:28 PM	MOTAPOTHU HIMA SAI SIND...	<input type="checkbox"/>	Unmanaged	
RMA Create Credit Memo and Ensu...	Return Order	Record—Run After Sa...	<input type="checkbox"/>			<input checked="" type="checkbox"/>	Managed-Installed	
Stock Alert Flow	Inventory	Record—Run After Sa...	<input checked="" type="checkbox"/>	7/17/2025, 11:49 PM	MOTAPOTHU HIMA SAI SIND...	<input type="checkbox"/>	Unmanaged	

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

Setup

Home

Object Manager

Search Setup

Jobs

Environments

Jobs

Apex Flex Queue

Apex Jobs

Background Jobs

Bulk Data Load Jobs

Scheduled Jobs

Didn't find what you're looking for?
Try using Global Search.

SETUP

Scheduled Jobs

All Scheduled Jobs

The All Scheduled Jobs page lists all of the jobs scheduled by your users. Multiple job types may display on this page. You can delete scheduled jobs if you have the permission to do so.

Percentage of Scheduled Jobs Used: 1%
You have currently used 1 scheduled Apex jobs out of an allowed organization limit of 100 active or scheduled jobs. To learn about how this limit is calculated and what contributes to it see the [Lightning Platform Apex Limits](#) topic.

View: All Scheduled Jobs Create New View

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Action	Job Name	Submitted By	Submitted	Started	Next Scheduled Run	Type	Cron Trigger ID
Manage Del Pause Job	Daily Inventory Sync	HIMA SAI SINDHU MOTAPOTIHU	7/18/2025, 1:09 AM		7/19/2025, 12:00 AM	Scheduled Apex	08egK000007emmg
Del	Loyalty_Status_Update_Flow-1	HIMA SAI SINDHU MOTAPOTIHU	7/18/2025, 12:24 AM		7/25/2025, 9:00 AM	Scheduled Flow	08egK000007eB0X
Del	MetaYtics Data Loader Job for Org : 00DgK000006g2eb	User Integration	7/3/2025, 7:29 AM	7/18/2025, 7:20 AM	7/19/2025, 7:20 AM	Autonomous Data Loader Job	08egK000006U00X
	Program Milestone Computation Cron Job	Process, Automated	7/3/2025, 7:29 AM	7/18/2025, 7:00 AM	7/18/2025, 11:59 AM	Program Milestone Computation Cron Job	08egK000006U0IV
	Program Status Update Cron Job	Process, Automated	7/3/2025, 7:29 AM	7/18/2025, 5:01 AM	7/18/2025, 8:00 PM	Program Status Update Cron Job	08egK000006U0IW

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

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

Setup

Home

Object Manager

Search Setup

class

Email

Classic Email Templates

Classic Letterheads

Custom Code

Apex Classes

Data Classification

Data Classification Download

Data Classification Settings

Data Classification Upload

Didn't find what you're looking for?
Try using Global Search.

SETUP

Classic Email Templates

Channels for third party, engagement channels with third party video applications.

Edit Del	Cancelled Service Appointment Confirmation Email	Custom	✓	Email Template to confirm canceling of a service appointment.	stfocadm 7/3/2025
Edit Del	Commerce Reorder Portal Invitation	Custom	✓	Invite a contact to a Commerce Reorder Portal.	autoprocc 7/3/2025
Edit Del	Group Service Appointments Enrollment Confirmation Email	Custom	✓	Email Template to confirm enrollment of an attendee to a Group service appointment.	stfocadm 7/3/2025
Edit Del	Low Stock Alert	HTML	✓		tsa 7/13/2025
Edit Del	Loyalty Program Email	HTML	✓		tsa 7/13/2025
Edit Del	Marketing Product Inquiry Response	Text	✓	Standard email response to website product inquiries	OEPIG 7/3/2025
Edit Del	Order Confirmation Email	HTML	✓		tsa 7/13/2025
Edit Del	Rescheduled Service Appointment Confirmation Email	Custom	✓	Email Template to confirm rescheduling of a service appointment.	stfocadm 7/3/2025
Edit Del	Sales New Customer Email	Text	✓	Email to new customers	OEPIG 7/3/2025
Edit Del	Scheduled Service Appointment Confirmation Email	Custom	✓	Email Template to confirm scheduling of a service appointment.	stfocadm 7/3/2025
Edit Del	Scheduler Payments Payment Reminder for Service Appointment Email	Custom	✓	Email Template to remind customers to pay for their service appointment.	stfocadm 7/3/2025
Edit Del	Scheduler Payments Service Appointment Cancellation Email	Custom	✓	Email Template to confirm the cancellation of a paid service appointment.	stfocadm 7/3/2025
Edit Del	Scheduler Payments Service Appointment Confirmation Email for Guest Users	Custom	✗	Email Template to confirm scheduling of a paid service appointment.	stfocadm 7/3/2025
Edit Del	Scheduler Payments Service Appointment Confirmation Email	Custom	✗	Email Template to confirm scheduling of a paid service appointment for guest users.	stfocadm 7/3/2025
Edit Del	Scheduler Payments Service Appointment Rescheduled Email - Authenticated Users	Custom	✓	Email Template to confirm the rescheduling of a paid service appointment for authenticated users.	stfocadm 7/3/2025
Edit Del	Scheduler Payments Service Appointment Rescheduled Email - Guest Users	Custom	✓	Email Template to confirm the rescheduling of a paid service appointment for guest users.	stfocadm 7/3/2025
Edit Del	SUPPORT Self-Service New Comment Notification (SAMPLE)	Text	✓	Sample email template that can be sent to your Self-Service customers to notify them a public comment has been added to their case.	OEPIG 7/3/2025

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.