

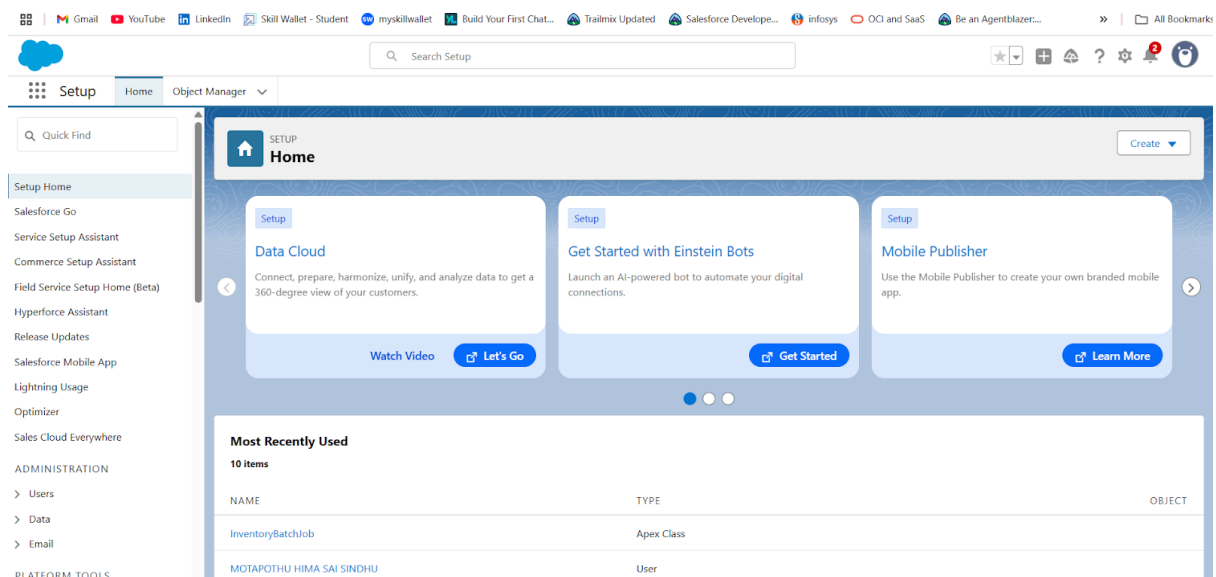
## Project Execution Phase

### Project Files

Date	18 July 2025
Name	Motapothu Hima Sai Sindhu
Project Name	HandsMen Threads – Elevating the Art of Sophistication in Men’s Fashion

### Step 1: Developer Org Setup

- Create a Salesforce Developer Account.
- Verify your account via email and log in.



### Step 2: Custom Object Creation

In the HandsMen Threads Salesforce project, custom object creation was a foundational step that enabled the system to store and manage fashion-related data in a structured and scalable way. Unlike standard objects, custom objects are tailored to specific business needs—allowing us to design a solution that fits the men’s fashion domain perfectly.

The primary goal of creating custom objects was to represent core business entities such as customers, products, orders, inventory, and marketing campaigns. These objects serve as the backbone of the application, allowing automation, validation, and reporting features to work efficiently.

HandsMen Customer:

Setup

Home

Object Manager

Search Setup

Star

Plus

Help

Question

Settings

Notifications

User

SETUP > OBJECT MANAGER

HandsMen Customer

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

Restriction Rules

Details

Description

Stores customer details

API Name

HandsMen\_Customer\_c

Custom

✓

Singular Label

HandsMen Customer

Plural Label

HandsMen Customer

Enable Reports

✓

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Edit

Delete

HandsMen Product:

Setup

Home

Object Manager

Search Setup

Star

Plus

Help

Question

Settings

Notifications

User

SETUP > OBJECT MANAGER

HandsMen Product

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

Restriction Rules

Details

Description

Stores product catalog

API Name

HandsMen\_Product\_c

Custom

✓

Singular Label

HandsMen Product

Plural Label

HandsMen Products

Enable Reports

✓

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Edit

Delete

# HandsMen Order:

Setup

Home

Object Manager

Search Setup

★

+

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⚙️

🔔

👤

SETUP > OBJECT MANAGER

HandsMen Order

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

Restriction Rules

Details

Description

Stores customer orders

API Name

HandsMen\_Order\_c

Custom

✓

Singular Label

HandsMen Order

Plural Label

HandsMen Orders

Enable Reports

✓

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Edit

Delete

# Inventory:

Setup

Home

Object Manager

Search Setup

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🔔

👤

SETUP > OBJECT MANAGER

Inventory

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

Restriction Rules

Details

Description

Tracks inventory levels

API Name

Inventory\_\_c

Custom

✓

Singular Label

Inventory

Plural Label

Inventories

Enable Reports

✓

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Edit

Delete

## Marketing Campaign:

The screenshot shows the Salesforce Setup interface for the Marketing Campaign object. The left sidebar contains a navigation menu with 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 'Marketing Campaign' and shows the 'Details' tab. It includes a description 'Manages promotions and campaigns', API Name 'Marketing\_Campaign\_\_c', Custom checkbox, Singular Label 'Marketing Campaign', Plural Label 'Marketing Campaigns', and various settings like Enable Reports, Track Activities, Track Field History, Deployment Status, Help Settings, and Standard salesforce.com Help Window. There are 'Edit' and 'Delete' buttons in the top right corner.

## Step 3: Field Creation

- Email, Phone, and Loyalty\_Status (Picklist) on Customer object.
- Auto Number Fields for Order (O-{0000}), Inventory (I-{0000}), and Campaign (MC-{0000}).

The screenshot shows the Salesforce Setup interface for the HandsMen Customer object. The left sidebar contains a navigation menu with 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 Customer' and shows the 'Fields & Relationships' tab. It includes a search bar, 'New', 'Deleted Fields', 'Field Dependencies', and 'Set History Tracking' buttons. Below is a table listing 11 fields, sorted by Field Label.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
FirstName	FirstName__c	Text(18)		
Full_Name__c	Full_Name__c	Formula (Text)		
HandsMen Customer Name	Name	Text(80)		
Last Modified By	LastModifiedById	Lookup(User)		
LastName	LastName__c	Text(18)		
Loyalty Status	Loyalty_Status__c	Picklist		
Owner	OwnerId	Lookup(User,Group)		

## Step 4: Relationships Setup

- Lookup:
  - Marketing Campaign → HandsMen Customer
  - HandsMen Product → HandsMen Order

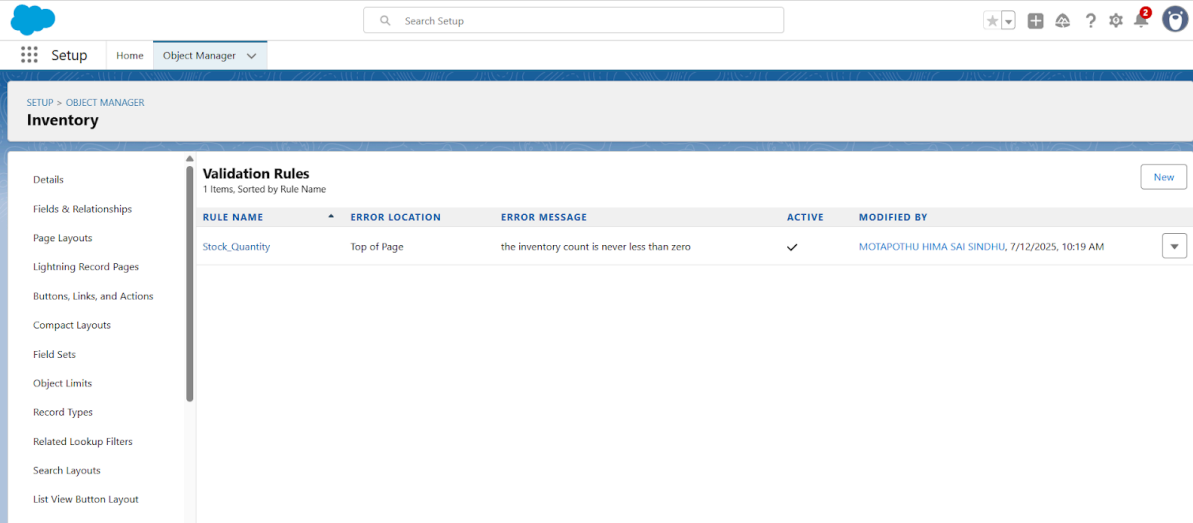
- HandsMen Order → HandsMen Customer
- **Master-Detail:**
  - Inventory → HandsMen Product

## Step 5: Formula Fields

- **Full\_Name\_\_c** = FirstName + " " + LastName (on Customer)
- **Stock\_Status\_\_c** = IF(Stock\_Quantity\_\_c > 10, "Available", "Low Stock")

## Step 6: Validation Rules

- **Order Object:** Total\_Amount\_\_c must be > 0
- **Inventory Object:** Stock\_Quantity\_\_c must be > 0
- **Customer Object:** Email must contain "@gmail.com"



The screenshot shows the Salesforce Setup interface. The breadcrumb trail is: SETUP > OBJECT MANAGER > Inventory. The left sidebar contains a list of setup options: 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 "Validation Rules" and shows "1 Items. Sorted by Rule Name". A table lists the validation rules:

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Stock_Quantity	Top of Page	the inventory count is never less than zero	✓	MOTAPOTHU HIMA SAI SINDHU, 7/12/2025, 10:19 AM

A "New" button is located in the top right corner of the table.

## Step 7: Tabs and Lightning App Setup

- Create tabs for all custom objects.
- Build **HandsMen Threads** Lightning App and add navigation items (objects, reports, dashboards).

**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.

**Custom Object Tabs** [New](#) [What Is This?](#)

Action	Label	Tab Style	Description
<a href="#">Edit</a>   <a href="#">Del</a>	HandsMen Customer	People	
<a href="#">Edit</a>   <a href="#">Del</a>	HandsMen Orders	List	
<a href="#">Edit</a>   <a href="#">Del</a>	HandsMen Products	Box	
<a href="#">Edit</a>   <a href="#">Del</a>	Inventoris	Telescope	
<a href="#">Edit</a>   <a href="#">Del</a>	Marketing Campaigns	Factory	

**Web Tabs** [New](#) [What Is This?](#)

No Web Tabs have been defined

**Visualforce Tabs** [New](#) [What Is This?](#)

## Step 8: User Roles & Profiles

- Clone “Standard User” to create **Platform 1 Profile**.

**Profiles**

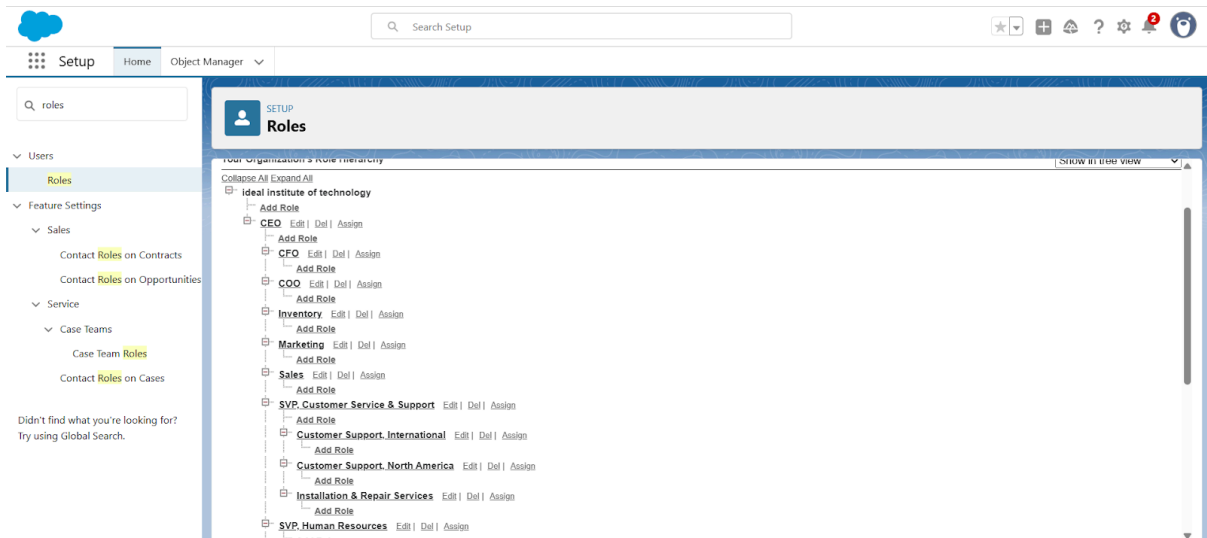
[All Profiles](#) [Edit](#) | [Delete](#) | [Create New View](#)

[New Profile](#) [f](#)

Action	Profile Name	User License	Custom
<a href="#">Edit</a>   <a href="#">Clone</a>	Partner App Subscription User	Partner App Subscription	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Partner Community Login User	Partner Community Login	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Clone</a>	Partner Community User	Partner Community	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>   ...	Platform_1	Salesforce	<input checked="" type="checkbox"/>

1-4 of 4 0 Selected Page 1 of 1

- Create Roles: **Sales, Inventory, Marketing** (under CEO).
- Create Users and assign appropriate roles and profiles.

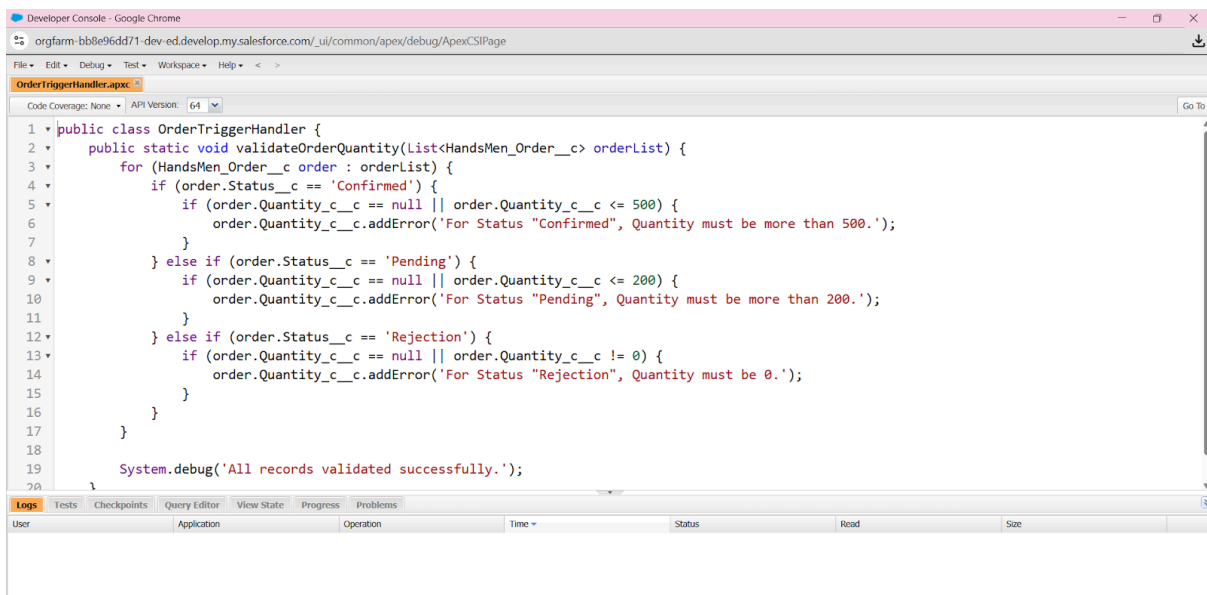


## Step 9: Permission Sets

- Create **Permission\_Platform\_1** permission set.
- Grant read, create, edit, delete access to Customer and Order objects.
- Assign to Platform 1 users.

## Step 10: Apex Code

- Apex Class: **OrderTriggerHandler** (validates order quantity)



- Trigger: **OrderTrigger** (calls the handler class before insert/update)

- **Batch Apex Class: InventoryBatchJob** (restocks products < 10 units)

```

1 global class InventoryBatchJob implements Database.Batchable<SObject>, Schedulable {
2     global Database.QueryLocator start(Database.BatchableContext BC) {
3         return Database.getQueryLocator(
4             'SELECT Id, Stock_Quantity__c FROM Product__c WHERE Stock_Quantity__c < 10'
5         );
6     }
7     global void execute(Database.BatchableContext BC, List<SObject> records) {
8         List<HandsMen_Product__c> productsToUpdate = new List<HandsMen_Product__c>();
9         // Cast SObject list to Product__c list
10        for (SObject record : records) {
11            HandsMen_Product__c product = (HandsMen_Product__c) record;
12            product.Stock_Quantity__c += 50; // Restock logic
13            productsToUpdate.add(product);
14        }
15        if (!productsToUpdate.isEmpty()) {
16            try {
17                update productsToUpdate;
18            } catch (DmlException e) {
19                System.debug('Error updating inventory: ' + e.getMessage());
20            }
21        }
22    }
23 }
  
```

- **Schedule:** Use **System.schedule** or Scheduled Jobs to run batch daily.

**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

Action	Job Name	Submitted By	Submitted	Started	Next Scheduled Run	Type	Cron Trigger ID
<a href="#">Manage</a>   <a href="#">Del</a>   <a href="#">Pause Job</a>	Daily Inventory Sync	HIMA SAI SINDHU MOTAPOTHU	7/18/2025, 1:09 AM		7/19/2025, 12:00 AM	Scheduled Apex	08egK000007emmg
<a href="#">Del</a>	Loyalty_Status_Update_Flow-1	HIMA SAI SINDHU MOTAPOTHU	7/18/2025, 12:24 AM		7/25/2025, 9:00 AM	Scheduled Flow	08egK000007eB8K
<a href="#">Del</a>	Metalytics 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

## Step 11: Flows

- **Order Confirmation Flow** (record-triggered when Status = Confirmed)
- **Low Stock Alert Flow** (record-triggered when Stock\_Quantity < 5)
- **Loyalty Status Update Flow** (scheduled daily, updates loyalty level based on purchases)



Setup

Home

Object Manager

Process Automation

Flows

Identity

Login Flows

Didn't find what you're looking for?

Try using Global Search.

Sort your list views with more options

Organize your automations with categories and subcategories

If you don't see the app in the App Launcher, check that Enable the Automation Lightning App is selected in Process Automation Settings.

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	

## Step 12: Email Templates

- Order\_Confirmation\_Email
- Low\_Stock\_Alert
- Loyalty\_Program\_Email

Setup

Home

Object Manager

Email

Classic Email Templates

Lightning Email Templates

Didn't find what you're looking for?

Try using Global Search.


SETUP

Classic Email Templates

Flow Label	Triggering Object...	Trigger	A...	Last Modified ...	Last Modified By	Te...	Package State	P...
Appointment for Unauthenticated User using Appointment Types - For Amazon Chime.	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	stkcadm	7/3/2025
Appointment for Unauthenticated User using Engagement Channels-For Amazon Chime.	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	stkcadm	7/3/2025
Appointment for Unauthenticated User using Engagement Channels-For third party.	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	stkcadm	7/3/2025
Cancelled Service Appointment Confirmation Email	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	stkcadm	7/3/2025
Commerce Reorder Portal Invitation	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	autopsc	7/3/2025
Group Service Appointments Enrollment Confirmation Email	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	stkcadm	7/3/2025
Low Stock Alert	HTML	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	hsa	7/13/2025
Loyalty Program Email	HTML	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	hsa	7/13/2025
Marketing Product Inquiry Response	Text	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	OEPIG	7/3/2025
Order Confirmation Email	HTML	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	hsa	7/12/2025
Rescheduled Service Appointment Confirmation Email	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	stkcadm	7/3/2025
Sales New Customer Email	Text	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	OEPIG	7/3/2025
Scheduled Service Appointment Confirmation Email	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	stkcadm	7/3/2025
Scheduler Payments: Payment Reminder for Service Appointment Email	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	stkcadm	7/3/2025
Scheduler Payments: Service Appointment Cancellation Email	Custom	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	stkcadm	7/3/2025
Scheduler Payments: Service Appointment Confirmation Email	Custom	<input type="checkbox"/>				<input type="checkbox"/>	stkcadm	7/3/2025
Scheduler Payments: Service Appointment Confirmation Email for Guest Users	Custom	<input type="checkbox"/>				<input type="checkbox"/>	stkcadm	7/3/2025

## Step 13: Email Alerts

- Create email alerts linked to templates and flows.
  - E.g., send it to related Customer or Inventory Manager.



Setup

Home

Object Manager

Search Setup

Star

Grid

Home

Help

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Notifications

User

email alerts

Process Automation

Workflow Actions

Email Alerts

Didn't find what you're looking for?

Try using Global Search.

SETUP

Email Alerts

All Email Alerts

Help for this Page

Email alerts are used to send emails from a flow or other automation.

View: All Email Alerts

Create New View

A

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C

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Y

Z

Other

All

Action	Description +	Email Template Name	Object	Last Modified Date
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Order Confirmation Email Alert</a>	<a href="#">Order Confirmation Email</a>	Order	7/13/2025
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">Stock Quantity Low Alert</a>	<a href="#">Low Stock Alert</a>	Inventory	7/17/2025

A

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Other

All

