Project Execution Phase

Project Files

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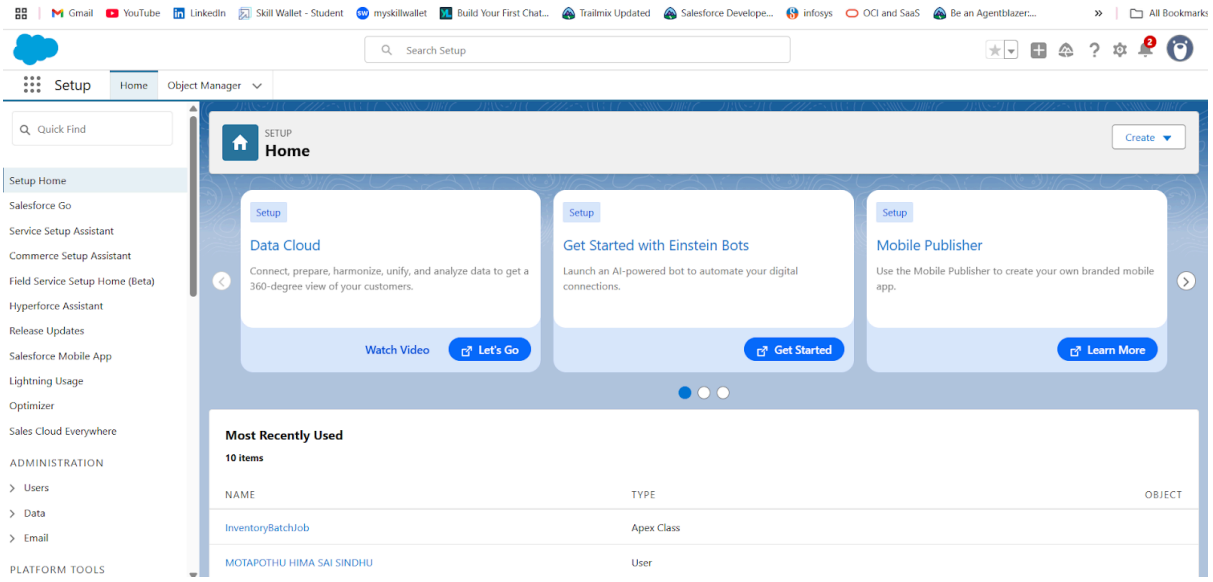
Project Name	HandsMen Threads – Elevating the Art of Sophistication in Men's Fashion

Step 1: Developer Org Setup

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

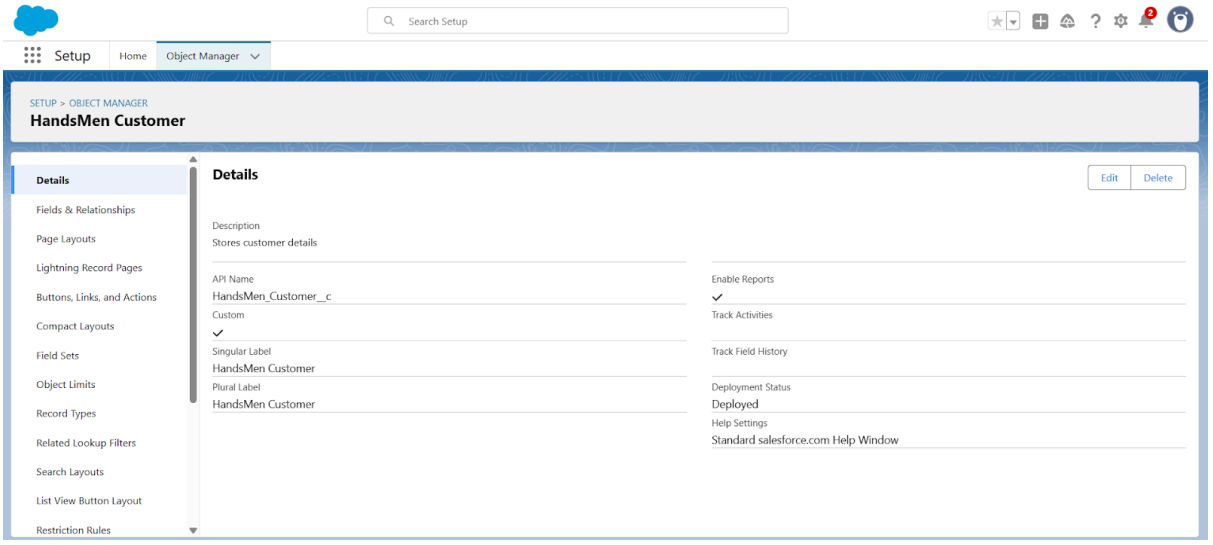


Step 2: Custom Object Creation

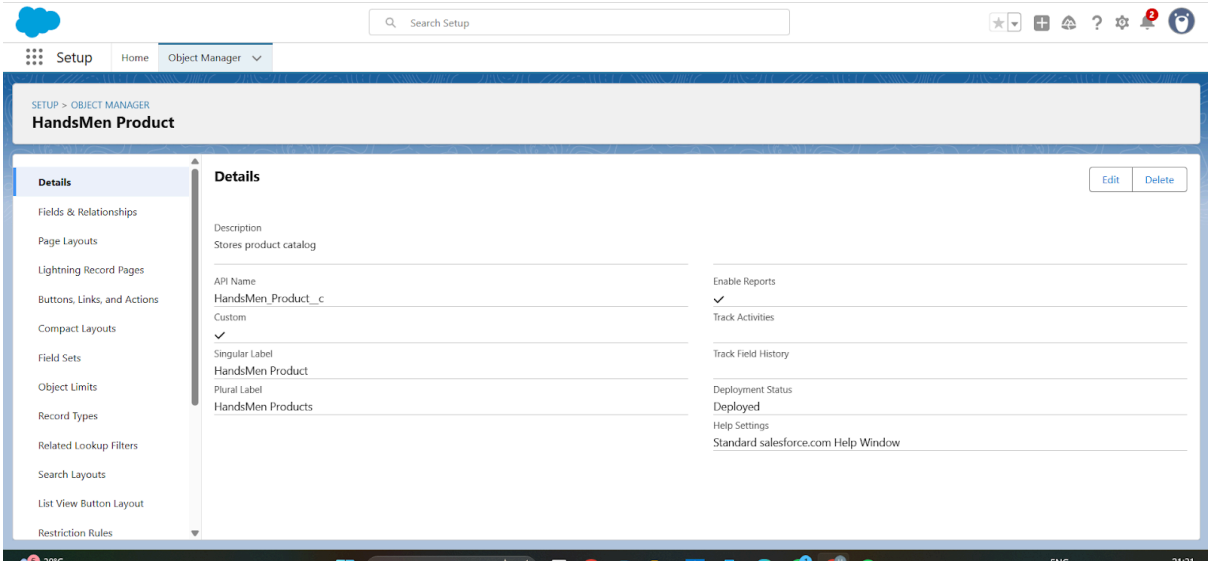
In the HandsMen Threads Salesforce project, custom object creation was a foundational step that enabled the system to store and manage fashion-related data in a structured and scalable way. Unlike standard objects, custom objects are tailored to specific business needs—allowing us to design a solution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

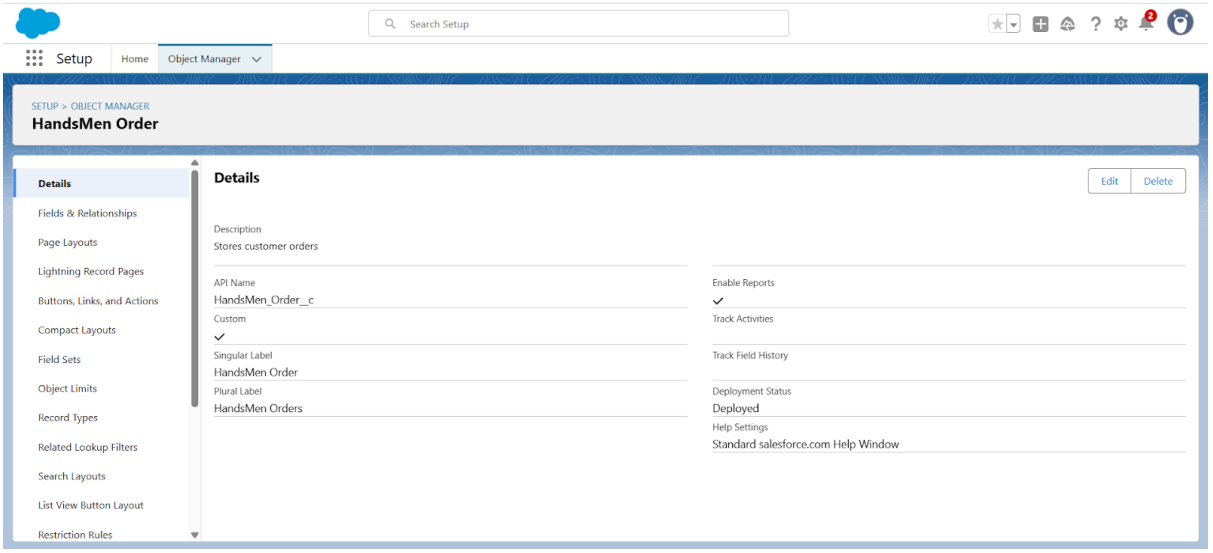
HandsMen Customer:



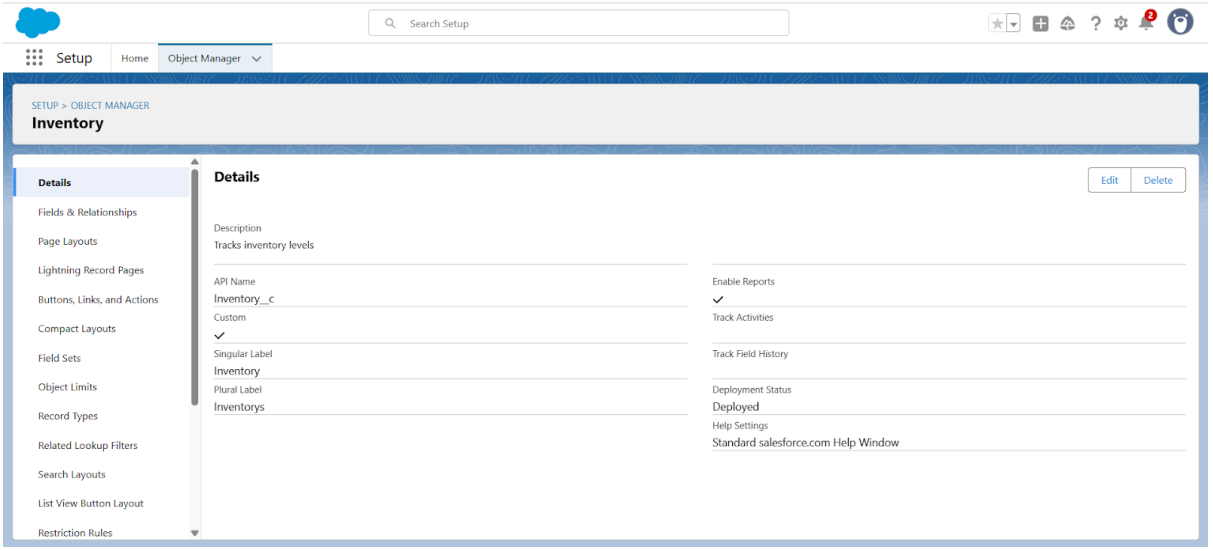
HandsMen Product:



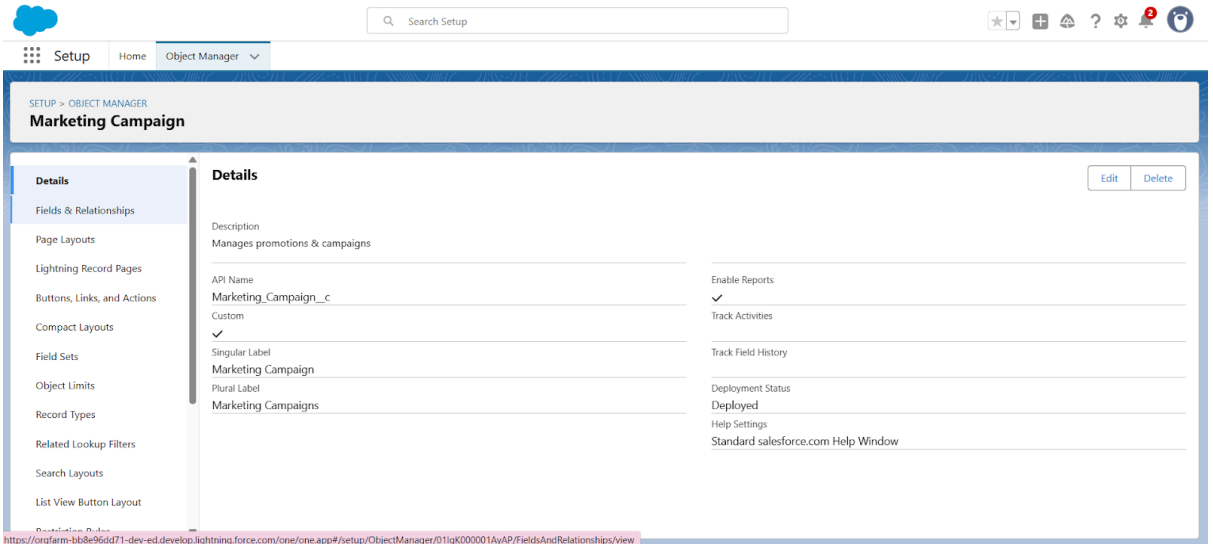
HandsMen Order:



Inventory:

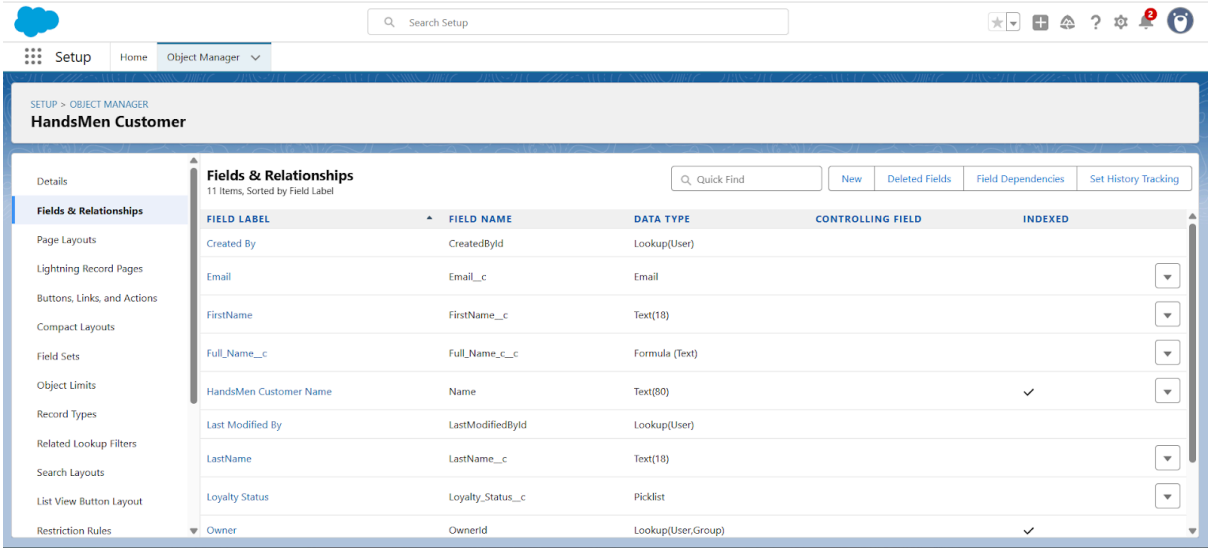


Marketing Campaign:



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}).



Step 4: Relationships Setup

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

- HandsMen Order → HandsMen Customer

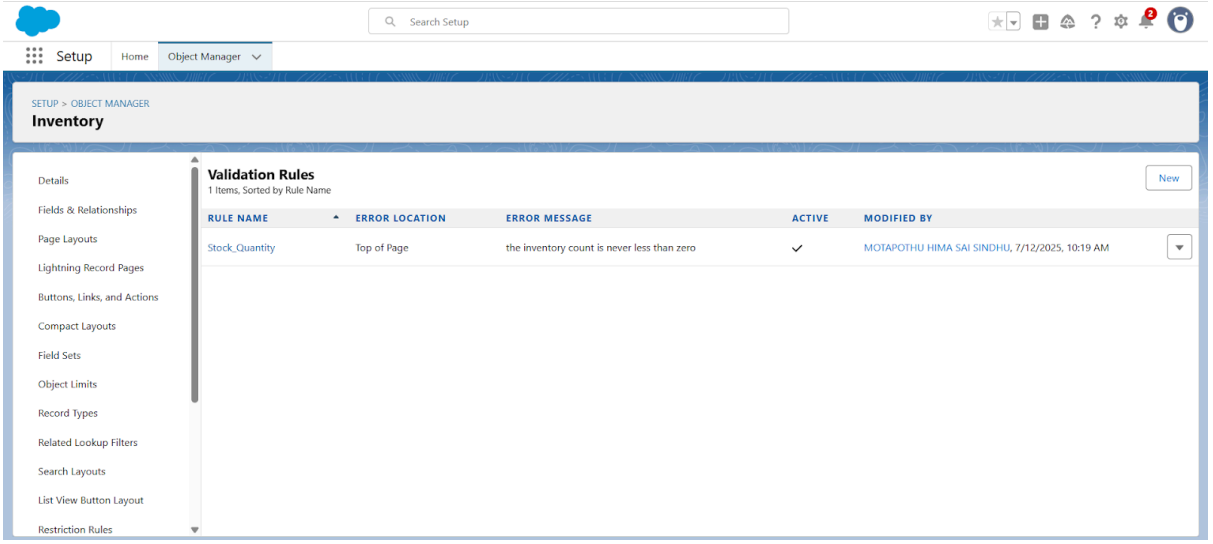
- **Master-Detail**:
  - Inventory → HandsMen Product

Step 5: Formula Fields

- Full_Name__c = FirstName + " " + LastName (on Customer)
- Stock_Status__c = IF(Stock_Quantity__c > 10, "Available", "Low Stock")

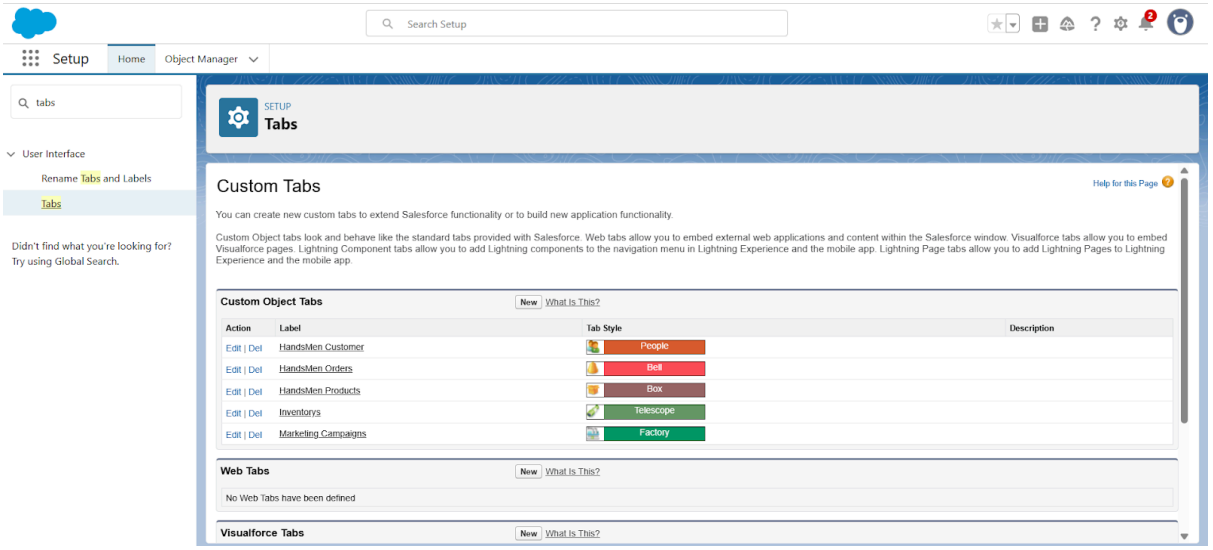
Step 6: Validation Rules

- **Order Object**: Total_Amount__c must be > 0
- **Inventory Object**: Stock_Quantity__c must be > 0
- **Customer Object**: Email must contain "@gmail.com"



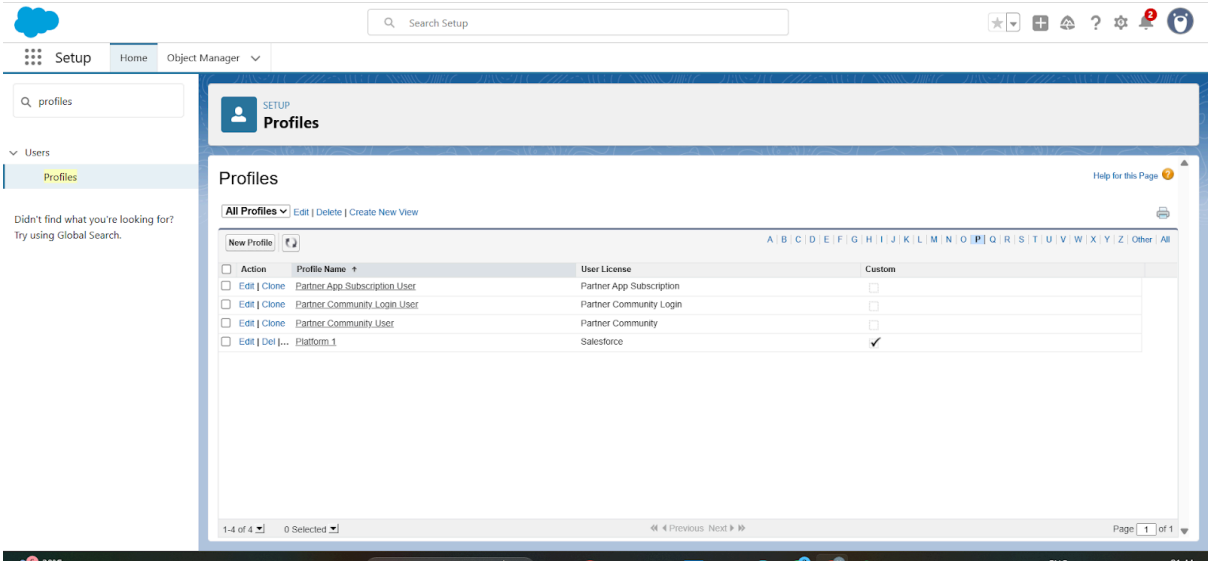
Step 7: Tabs and Lightning App Setup

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

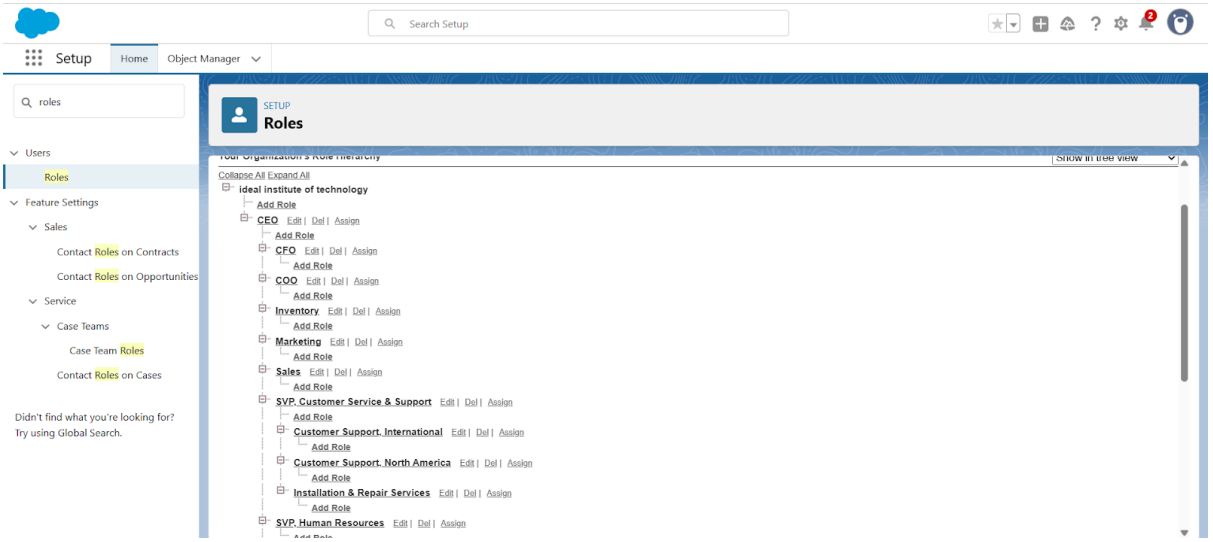


Step 8: User Roles & Profiles

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



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

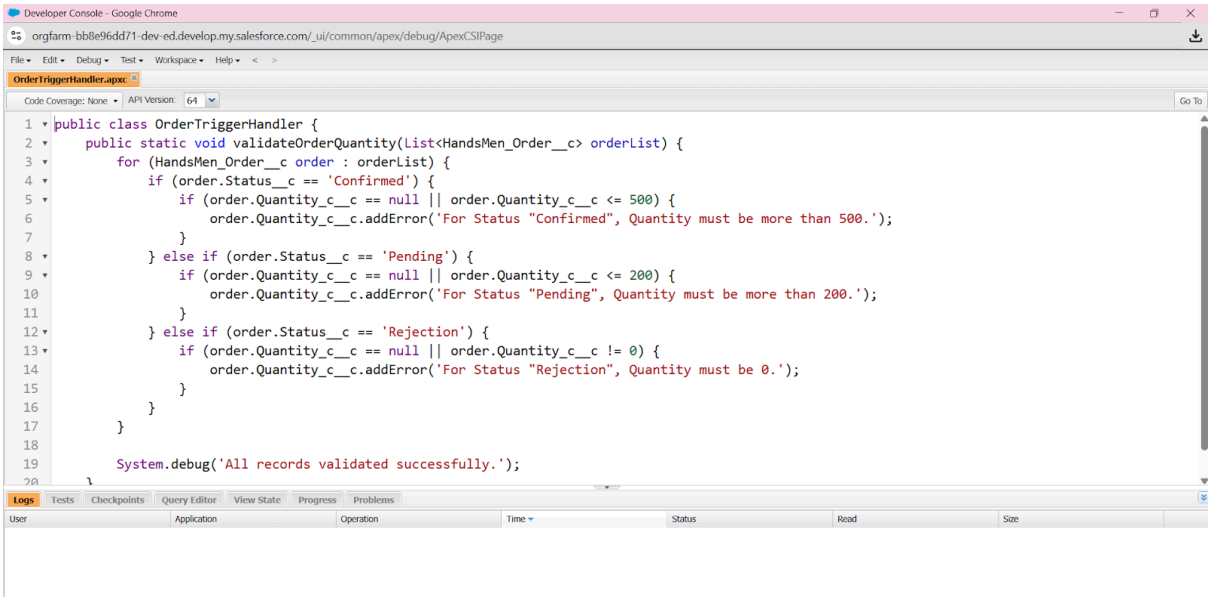


Step 9: Permission Sets

- 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

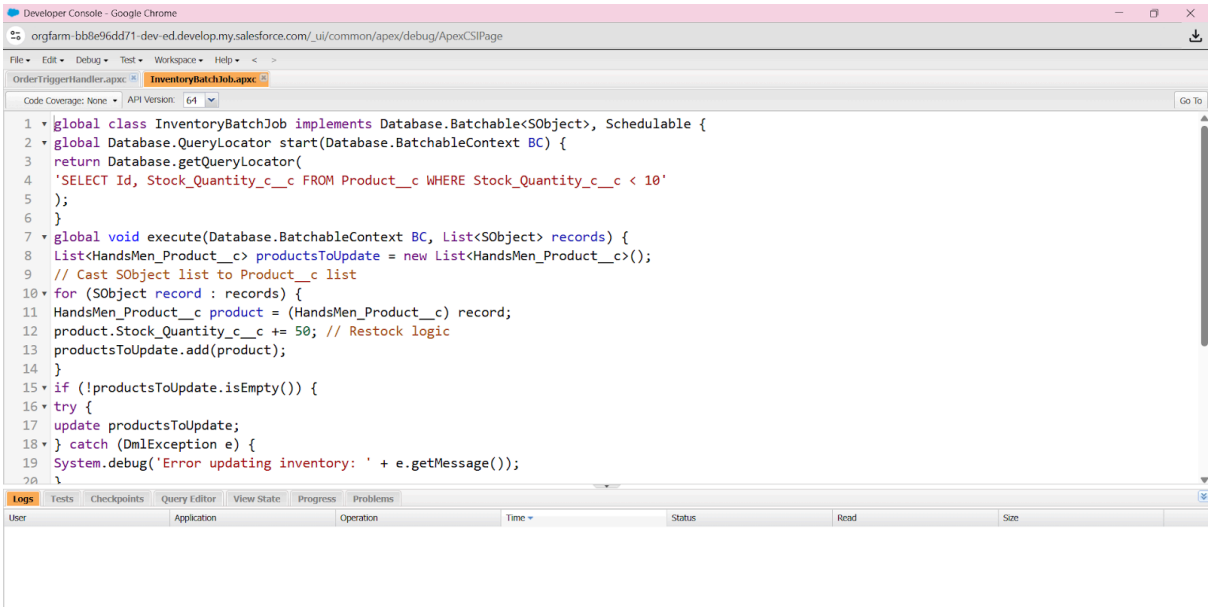
- **Apex Class**: `OrderTriggerHandler` (validates order quantity)



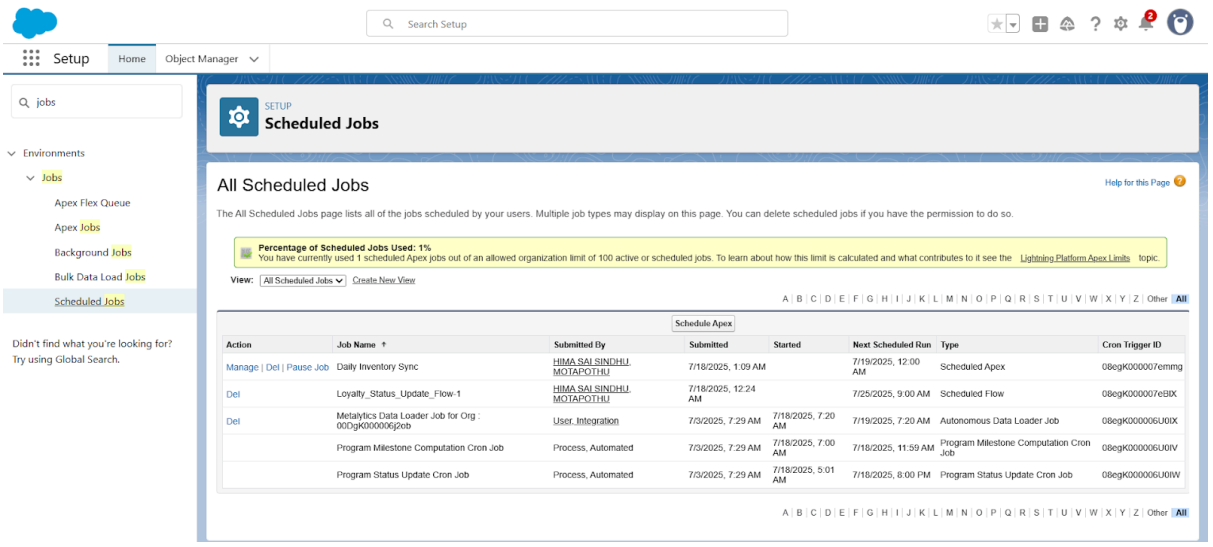

```apex
public class OrderTriggerHandler {
    public static void validateOrderQuantity(List<HandsMen_Order__c> orderList) {
        for (HandsMen_Order__c order : orderList) {
            if (order.Status__c == 'Confirmed') {
                if (order.Quantity_c__c == null || order.Quantity_c__c <= 500) {
                    order.Quantity_c__c.addError('For Status "Confirmed", Quantity must be more than 500.');
                }
            } else if (order.Status__c == 'Pending') {
                if (order.Quantity_c__c == null || order.Quantity_c__c <= 200) {
                    order.Quantity_c__c.addError('For Status "Pending", Quantity must be more than 200.');
                }
            } else if (order.Status__c == 'Rejection') {
                if (order.Quantity_c__c == null || order.Quantity_c__c != 0) {
                    order.Quantity_c__c.addError('For Status "Rejection", Quantity must be 0.');
                }
            }
        }

        System.debug('All records validated successfully.');
    }
```

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

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

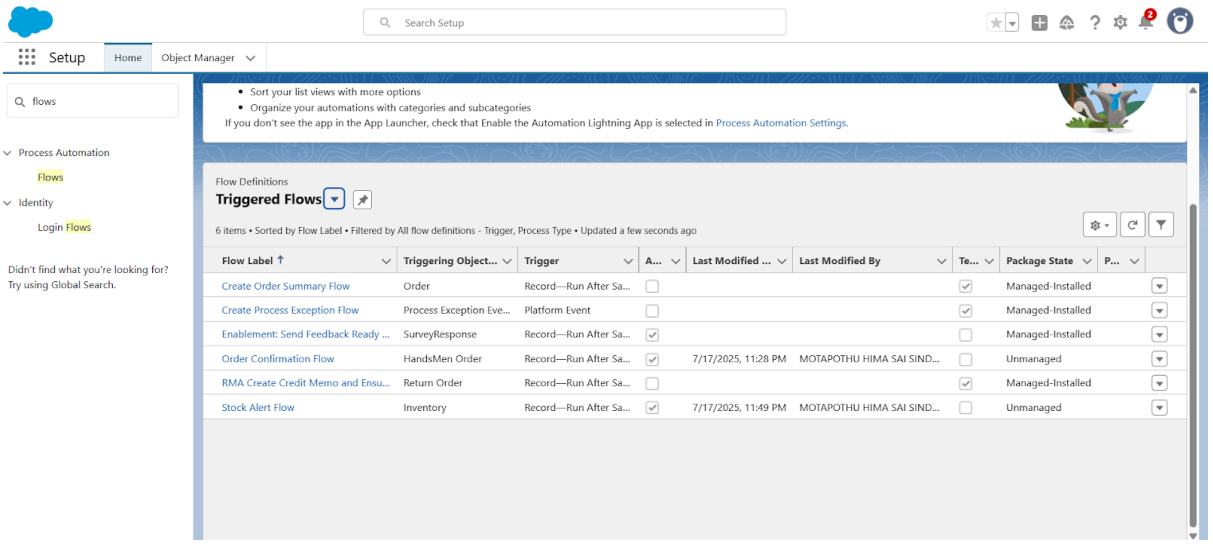


- **Schedule**: Use `System.schedule` or Scheduled Jobs to run batch daily.



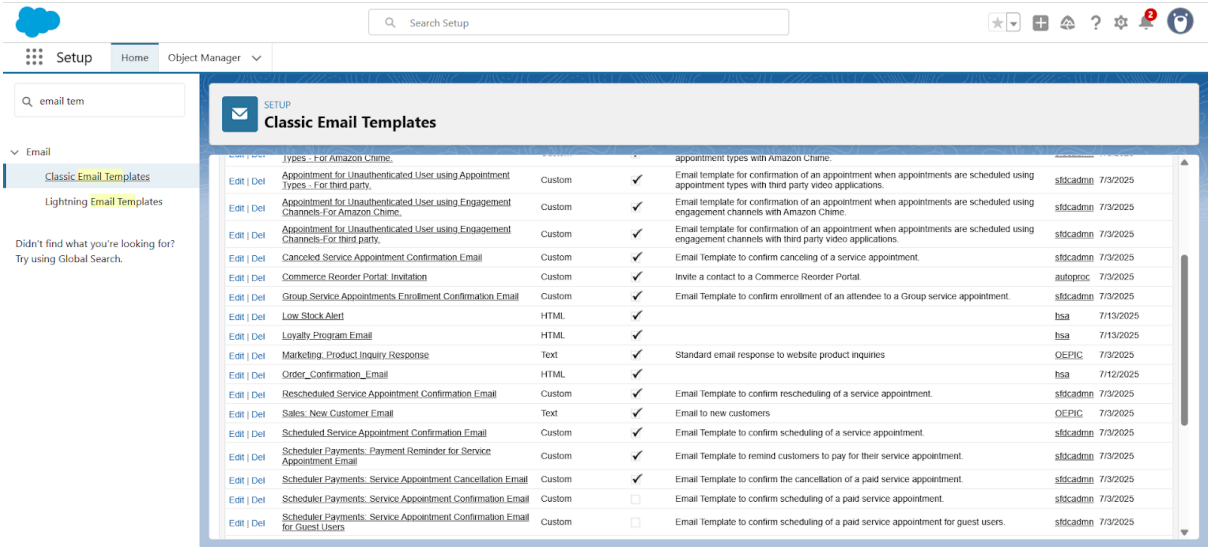
Step 11: Flows

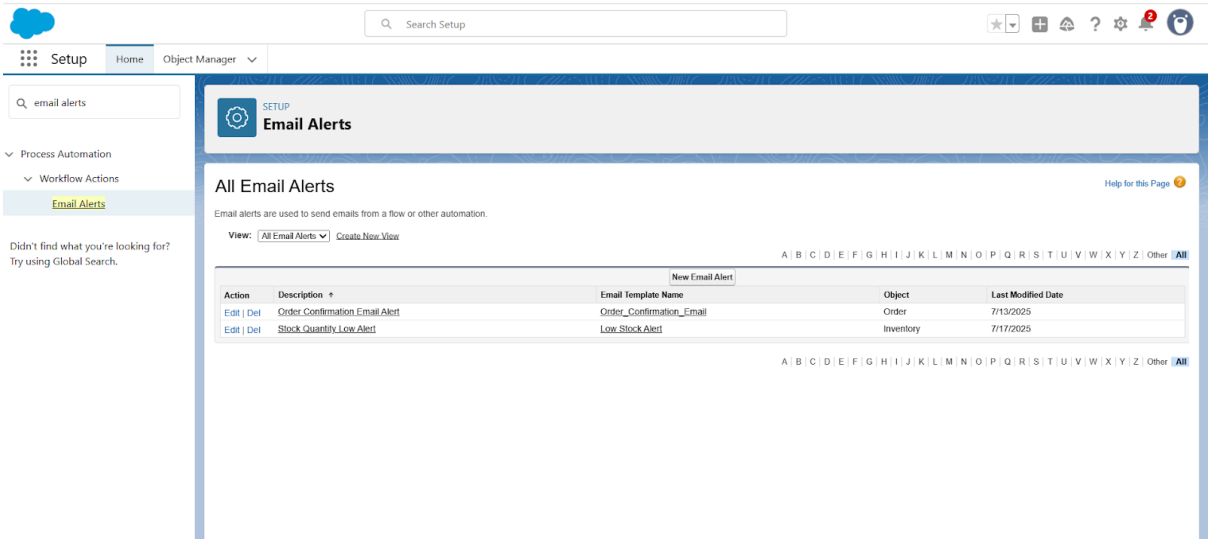
- **Order Confirmation Flow** (record-triggered when Status = Confirmed)
- **Low Stock Alert Flow** (record-triggered when Stock_Quantity < 5)
- **Loyalty Status Update Flow** (scheduled daily, updates loyalty level based on purchases)



Step 12: Email Templates

- Order_Confirmation_Email
- Low_Stock_Alert
- Loyalty_Program_Email



Step 13: Email Alerts

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