

HandsMen Threads Salesforce Project Report

Intern Details:

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Platform: Salesforce Virtual Internship by SmartBridge

Project Title:

HandsMen Threads Salesforce Project

Use Case Overview:

HandsMen Threads, a forward-thinking organization in the fashion industry, aimed to streamline data operations and improve customer relationships through Salesforce. The objective was to develop a robust system that enables seamless business process automation, ensures data quality, and enhances overall operational efficiency.

Core Functionalities Implemented:

Custom Data Model:

- Created custom objects:
 - HandsMen_Customer__c
 - HandsMen_Order__c
 - HandsMen_Product__c
 - Inventory__c
 - Marketing_Campaign__c
- Defined relationships using Lookup and Master-Detail fields.

Data Quality & UI Validation

- Used validation rules and required fields to maintain integrity from the UI.
- Implemented formula fields like `FullName__c` and `Stock_Status__c`.

Lightning App Builder

- Created a custom Lightning App with tabs for each object.
- Customized record pages for improved user experience.

Screen Flows

- Built guided flows for data entry, especially for creating new customers and orders.
- Example: Flow for capturing new order details linked to customer records.

Record-Triggered Flows

- Sent Order Confirmation emails automatically when new orders are placed.
- Triggered Loyalty Status updates based on `Total_Purchases__c`.

Scheduled Flow: Loyalty Status Update

- Runs daily at midnight.
- Updates loyalty status to:

Gold if `Total_Purchases__c > 1000`

Silver if 500–1000

Bronze if `<500`

Email Templates & Alerts

- Created:

Order Confirmation Email

Low Stock Alert

Loyalty Program Email

- Used HTML templates with Classic Letterheads.
- Set up email alerts for order confirmation and inventory low-stock notifications.

Inventory Monitoring

- Formula field `Stock_Status__c` on `Inventory__c` to show stock availability.
- Triggered email alert to Inventory Manager if `Stock_Quantity__c < 5`.

Asynchronous Apex

- Developed a Batch Apex job (`InventoryBatchJob`) scheduled using

`CopyEdit`

`Apex`

```
System.schedule('Daily Inventory Sync', '0 0 0 * * ?', new InventoryBatchJob());
```

- Handles bulk updates of inventory and financials.

GitHub Deployment

- Pushed complete project metadata and screenshots to GitHub:

[GitHub Repository](#)

- Includes project source files, README, and demo video link.

Skills & Tools Used:

Salesforce Platform

Screen & Record-Triggered Flows

Apex & Batch Apex

Data Modeling

Validation Rules & Formula Fields

Lightning App Builder

Git & GitHub

Email Templates & Alerts

Learning Outcomes:

Through this project, I learned to:

- Design and model real-world business scenarios using Salesforce.
- Automate repetitive tasks through flows and Apex.
- Use declarative tools to build scalable applications.
- Push and manage Salesforce metadata using GitHub.
- Communicate with customers via automated emails.


Attachments:

Screenshots: Showcasing objects, flows, templates, records.

Demo Video: Uploaded on SkillWallet platform.

GitHub: Contains the metadata, flows, code, and assets.

ScreenShots:
Custom Objects:



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Setup

Home

Object Manager

SETUP

Object Manager


3 Items, Sorted by Label

Schema Builder

Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED	
HandsMen Customer	HandsMen_Customer__c	Custom Object	Stores customer details	7/19/2025	✓	▼
HandsMen Order	HandsMen_Order__c	Custom Object	Stores customer orders	7/19/2025	✓	▼
HandsMen Product	HandsMen_Product__c	Custom Object	Stores product catalog	7/19/2025	✓	▼
Inventory	Inventory__c	Custom Object	Tracks inventory levels	7/19/2025	✓	▼
Marketing Campaign	Marketing_Campaign__c	Custom Object	Manages promotions & campaigns	7/19/2025	✓	▼

HandsMen Threads App:



Lightning Experience App Manager

New Lightning App

New External Client App

27 items • Sorted by App Name • Filtered by All appmenuitems - TabSet Type, App Type

	App Name ↑	Developer Name	Description	Last Modified D...	App Ty...	Visibl...	
5	Automation	FlowsApp	Automate business processes and repetitive tasks.	7/10/2025, 3:16 PM	Lightning	✓	▼
6	Bolt Solutions	LightningBolt	Discover and manage business solutions designed for your industry.	7/10/2025, 3:07 PM	Lightning	✓	▼
7	Community	Community	Salesforce CRM Communities	7/10/2025, 3:07 PM	Classic	✓	▼
8	Content	Content	Salesforce CRM Content	7/10/2025, 3:07 PM	Classic	✓	▼
9	Data Cloud	Audience360	Build a thorough and complete understanding of your customers.	7/10/2025, 3:07 PM	Lightning	✓	▼
10	Data Manager	DataManager	Use Data Manager to view limits, monitor usage, and manage recipes.	7/10/2025, 3:07 PM	Lightning	✓	▼
11	Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	7/10/2025, 3:07 PM	Lightning	✓	▼
12	HandsMen Threads	HandsMen_Threads	A Lightning app for the HandsMen Threads app showcasing The Art of Sophistication in Men's Fashion	7/18/2025, 3:43 PM	Lightning	✓	▼
13	Lightning Usage App	LightningInstrumentation	View Adoption and Usage Metrics for Lightning Experience	7/10/2025, 3:07 PM	Lightning	✓	▼
14	Marketing CRM Classic	Marketing	Track sales and marketing efforts with CRM objects.	7/10/2025, 3:07 PM	Classic	✓	▼

Custom Tabs:

SETUP
Tabs

Custom Tabs

Help for this Page

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
Edit Del	HandsMen Customers	Big top	
Edit Del	HandsMen Orders	Compass	
Edit Del	HandsMen Products	Building Block	
Edit Del	Inventorys	Chalkboard	
Edit Del	Marketing Campaigns	Desk	

HandsMen Customer Fields:

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

Scoping Rules

Object Access

Triggers

Fields & Relationships

11 Items, Sorted by Field Label

Q, Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
FirstName	FirstName__c	Text(50)		
Full_Name__c	Full_Name__c__c	Formula (Text)		
Last Modified By	LastModifiedById	Lookup(User)		
LastName	LastName__c	Text(50)		
Loyalty Status	Loyalty_Status__c	Picklist		
Name	Name	Text(80)		✓
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone__c	Phone		
Total_Purchases__c	Total_Purchases__c__c	Number(18, 0)		

HandsMen Order Fields:

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

Scoping Rules

Fields & Relationships

10 Items, Sorted by Field Label

Q, Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

Created By	CreatedById	Lookup(User)		
Customer	Customer__c	Lookup(HandsMen Customer)		✓
Customer Email	Customer_Email__c	Email		
Customer_Email__c	Customer_Email__c__c	Formula (Text)		
Last Modified By	LastModifiedById	Lookup(User)		
Order_Number	Name	Auto Number		✓
Owner	OwnerId	Lookup(User,Group)		✓
Quantity__c	Quantity__c__c	Number(18, 0)		
Status	Status__c	Picklist		
Total_Amount__c	Total_Amount__c__c	Number(18, 0)		

HandsMen Product Fields:

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

Fields & Relationships

8 Items, Sorted by Field Label

Q Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Name	Name	Text(80)		✓
Order	Order__c	Lookup(HandsMen Order)		✓
Owner	OwnerId	Lookup(User,Group)		✓
Price	Price__c	Currency(18, 0)		
SKU	SKU__c	Text(50)		
Stock_Quantity__c	Stock_Quantity__c_c	Number(18, 0)		

Inventory Fields:

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

Fields & Relationships

7 Items, Sorted by Field Label

Q Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Auto Number	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Product	Product__c	Master-Detail(HandsMen Product)		✓
Stock_Quantity__c	Stock_Quantity__c_c	Number(18, 0)		
Stock_Status__c	Stock_Status__c_c	Formula (Text)		
Warehouse	Warehouse__c	Text(30)		

Marketing Campaign Fields:

SETUP > OBJECT MANAGER

Marketing Campaign

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

Fields & Relationships

7 Items, Sorted by Field Label

Q Quick Find

New

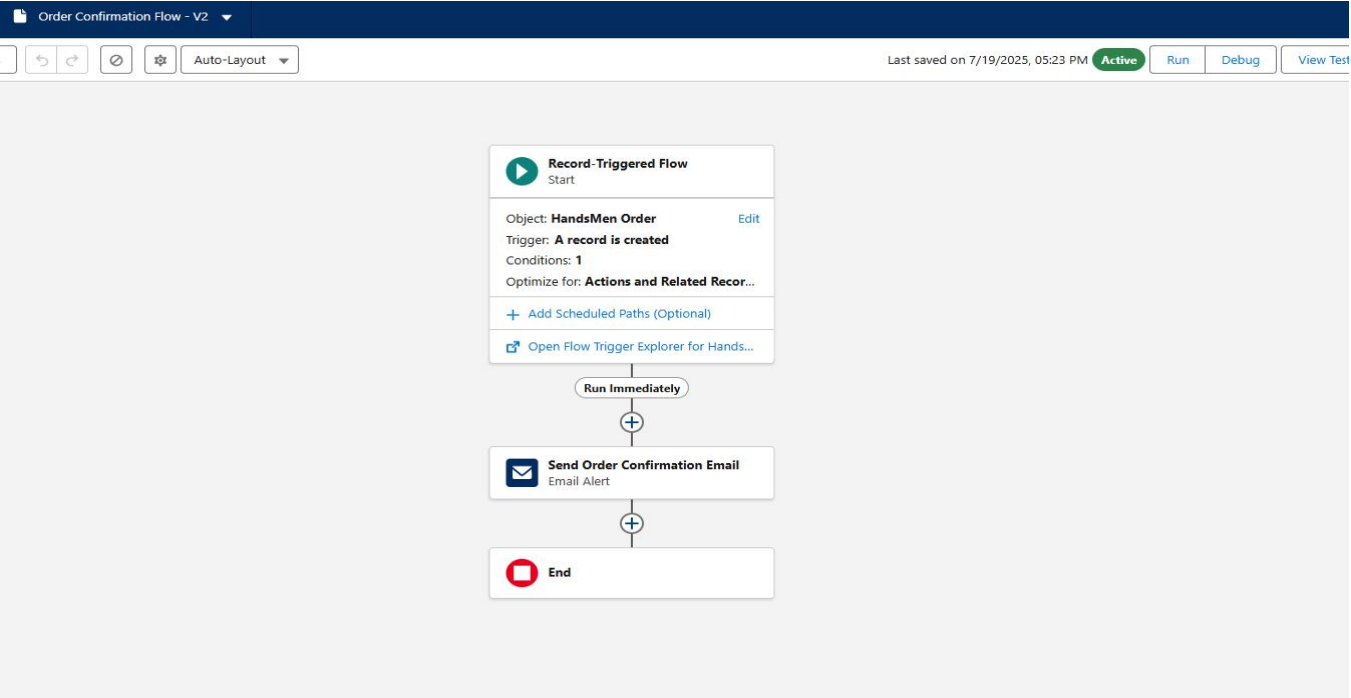
Deleted Fields

Field Dependencies

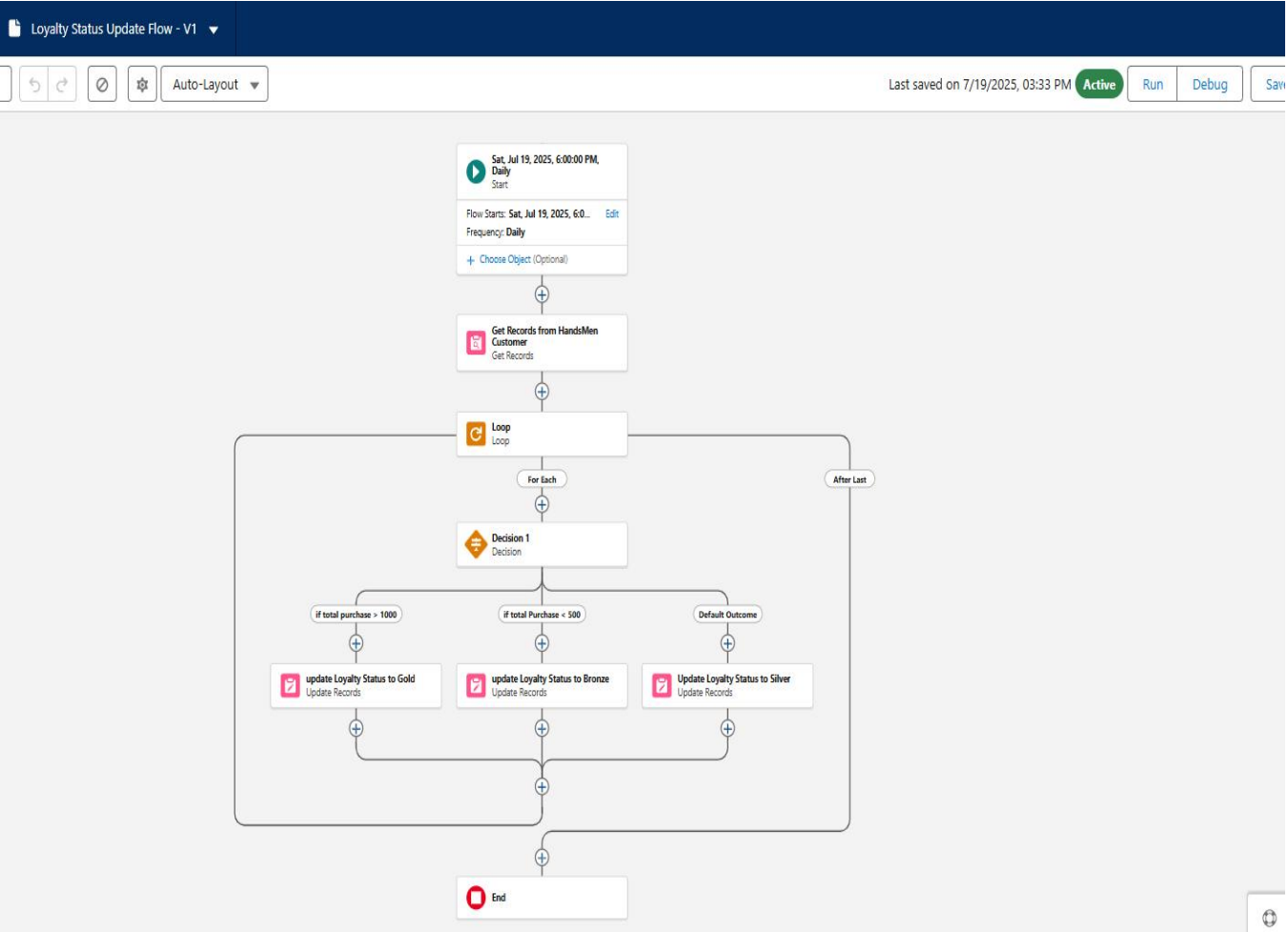
Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Campaign_Name	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
End_Date	End_Date__c	Date		
HandsMen Customer	HandsMen_Customer__c	Lookup(HandsMen Customer)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Start_Date	Start_Date__c	Date		

Order Confirmation Flow:



Loyalty Status Update Flow:



Order Trigger Handler Apex Class:

```
File Edit Debug Test Workspace Help < >
OrderTriggerHandler.apxc
Code Coverage: None API Version: 64
1 public class OrderTriggerHandler {
2
3     public static void validateOrderQuantity(List<HandsMen_Order__c> orderList) {
4
5         for (HandsMen_Order__c order : orderList) {
6
7             if (order.Status__c == 'Confirmed') {
8
9                 if (order.Quantity__c == null || order.Quantity__c <= 500) {
10
11                     order.Quantity__c.addError('For Status "Confirmed", Quantity must be more than 500.');
```

Inventory Batch Job Apex Class:

```
File Edit Debug Test Workspace Help < >
OrderTriggerHandler.apxc InventoryBatchJob.apxc
Code Coverage: None API Version: 64
1 global class InventoryBatchJob implements Database.Batchable<SObject>, Schedulable {
2
3     global Database.QueryLocator start(Database.BatchableContext BC) {
4
5         return Database.getQueryLocator(
6
7             'SELECT Id, Stock_Quantity__c FROM Product__c WHERE Stock_Quantity__c < 10'
8
9         );
10     }
11 }
12
13 global void execute(Database.BatchableContext BC, List<SObject> records) {
14
15     List<HandsMen_Product__c> productsToUpdate = new List<HandsMen_Product__c>();
16
17     // Cast SObject list to Product__c list
18
19     for (SObject record : records) {
20
21         HandsMen_Product__c product = (HandsMen_Product__c) record;
22
23         product.Stock_Quantity__c += 50; // Restock logic
24
25         productsToUpdate.add(product);
26     }
27 }
28
29 if (!productsToUpdate.isEmpty()) {
30
31     try {
32
33         update productsToUpdate;
34
35     } catch (DmlException e) {
36
37         System.debug('Error updating inventory: ' + e.getMessage());
38
39     }
```

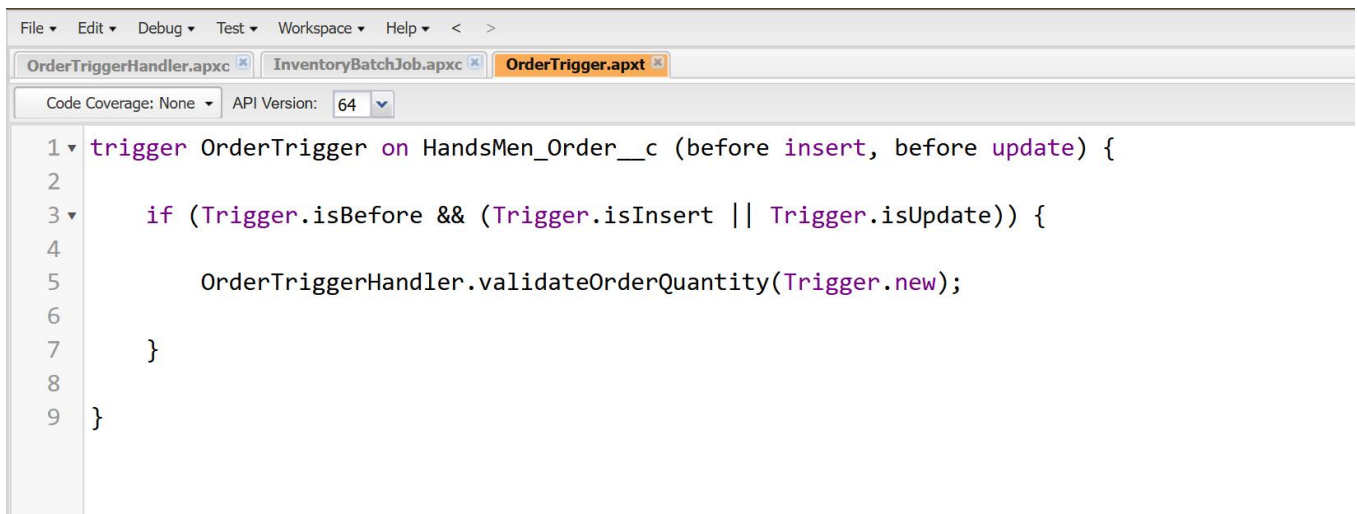


```

38
39 }
40
41 }
42
43 }
44
45 global void finish(Database.BatchableContext BC) {
46
47     System.debug('Inventory Sync Completed');
48
49 }
50
51 // Scheduler Method
52
53 global void execute(SchedulableContext SC) {
54
55     InventoryBatchJob batchJob = new InventoryBatchJob();
56
57     Database.executeBatch(batchJob, 200);
58
59 }
60
61 }

```

Order Trigger:



```

File Edit Debug Test Workspace Help < >
OrderTriggerHandler.apxc InventoryBatchJob.apxc OrderTrigger.apxc
Code Coverage: None API Version: 64
1 trigger OrderTrigger on HandsMen_Order__c (before insert, before update) {
2
3     if (Trigger.isBefore && (Trigger.isInsert || Trigger.isUpdate)) {
4
5         OrderTriggerHandler.validateOrderQuantity(Trigger.new);
6
7     }
8
9 }

```

Conclusion:

This project gave me valuable insight into end-to-end Salesforce development—from UI-driven automation to backend data processing using Apex. It reflects how Salesforce can be tailored for industry-specific use cases like fashion retail and inventory management.

I'm grateful for the opportunity provided by SmartBridge and Salesforce and proud to have implemented a complete working solution.