

1. Project Overview:

This project is focused on a food connect application to manage food donations and distribution, designed to address the problem of food waste and hunger. The goal is to deliver a comprehensive solution by leveraging the Salesforce platform and integrating modern tools like mobile applications and community portals. Through this project, we aim to streamline the donation process, improve collaboration between donors, recipients, and volunteers, enhance data visibility, and support the long-term mission of reducing food insecurity and waste.

2. Objectives :

- Create forms for donors and recipients to submit and track donations.
- Set up a comprehensive Salesforce environment to manage food donations, inventory, and logistics.
- Streamline the entire process of food donation and distribution to make it more efficient and user-friendly.
- Automate the matching of food donations with recipients to save time and reduce manual effort.
- Enable real-time tracking of food deliveries using

Salesforce and integrated tools.

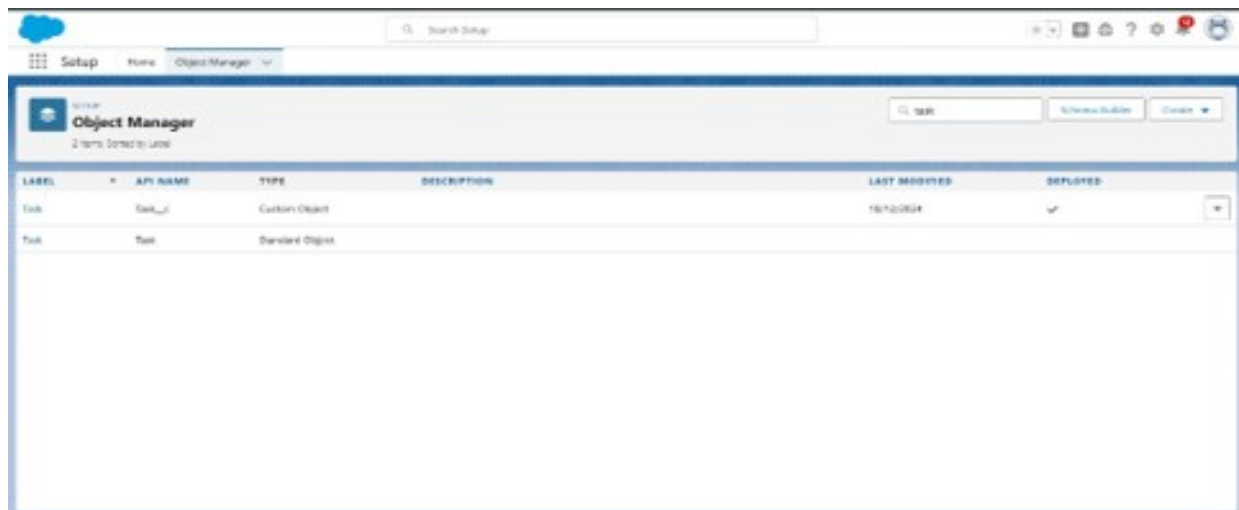
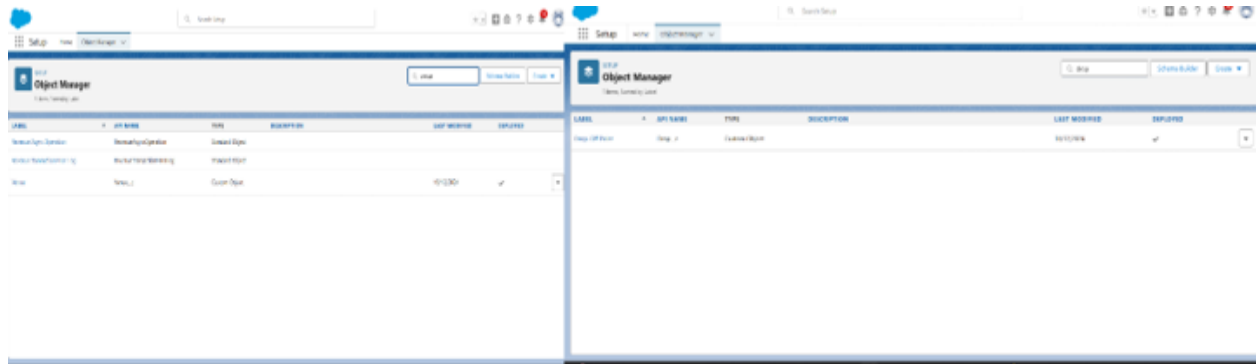
- Provide insightful dashboards and reports to monitor donation trends and impact.
- Foster collaboration through community portals for donor.

3. Salesforce Key Features and Concepts Utilized :

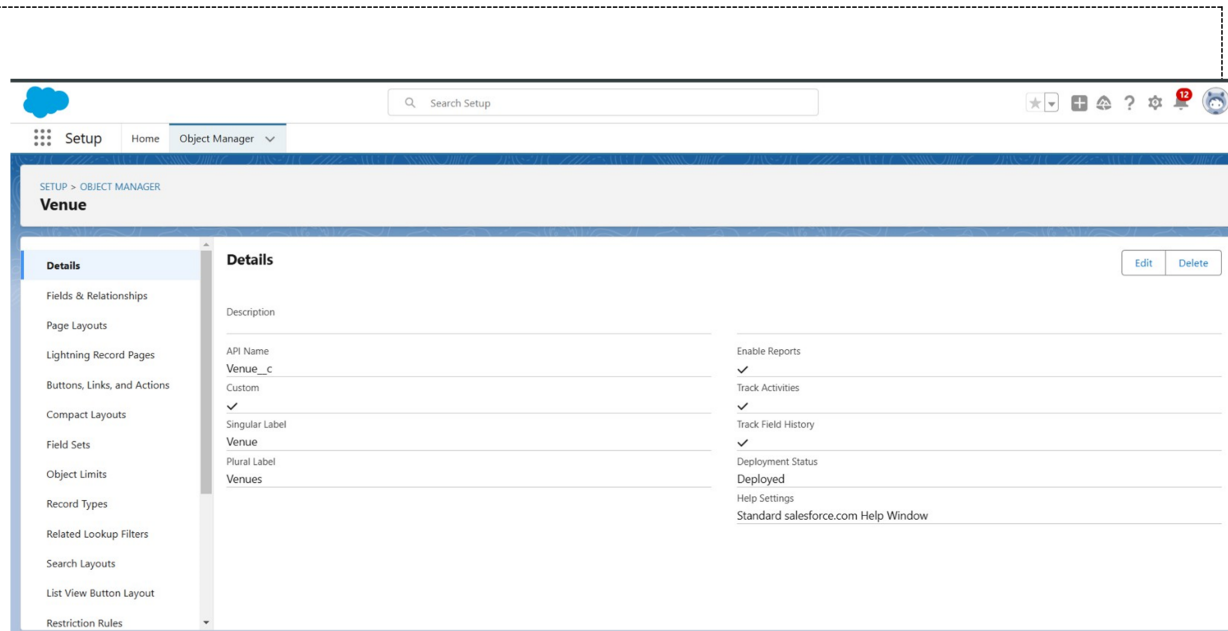
- Salesforce objects
- Classes
- Flows
- Triggers
- Creation of Fields
- Creation of Users
- Sales force app builder
- Creation of Public Groups
- Creation of Reports
- Lightning components

4. Detailed Steps to Solution Design

- Create objects



○ Creating Flows and Fields :



SETUP > OBJECT MANAGER

Venue

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

API Name
Venue__c

Custom
✓

Singular Label
Venue

Plural Label
Venues

Enable Reports
✓

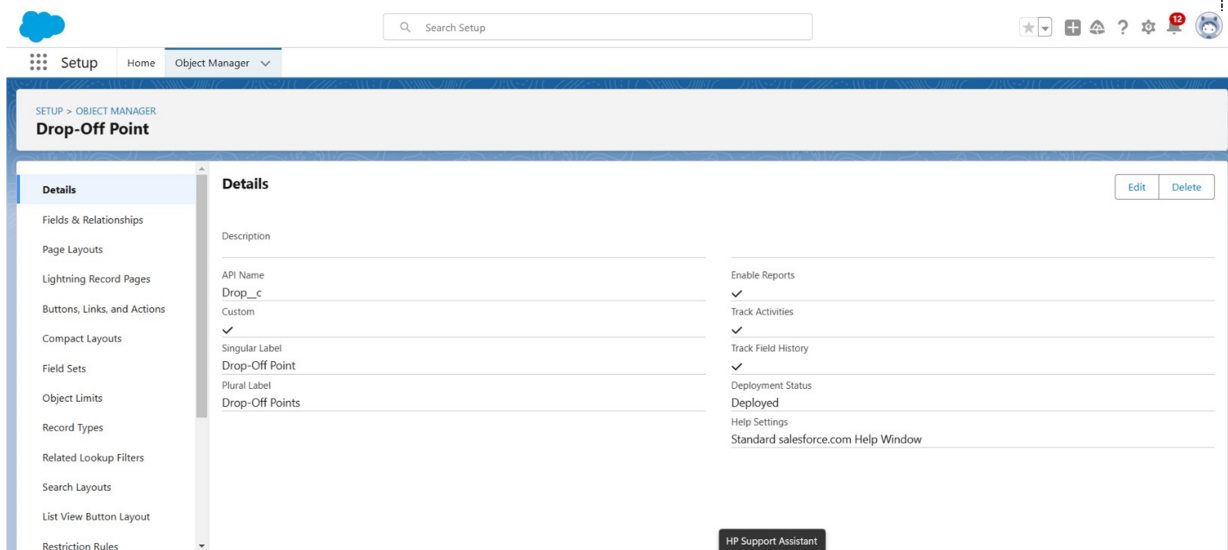
Track Activities
✓

Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window

Edit Delete



SETUP > OBJECT MANAGER

Drop-Off Point

Details

- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
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- Search Layouts
- List View Button Layout
- Restriction Rules

Details

Description

API Name
Drop__c

Custom
✓

Singular Label
Drop-Off Point

Plural Label
Drop-Off Points

Enable Reports
✓

Track Activities
✓

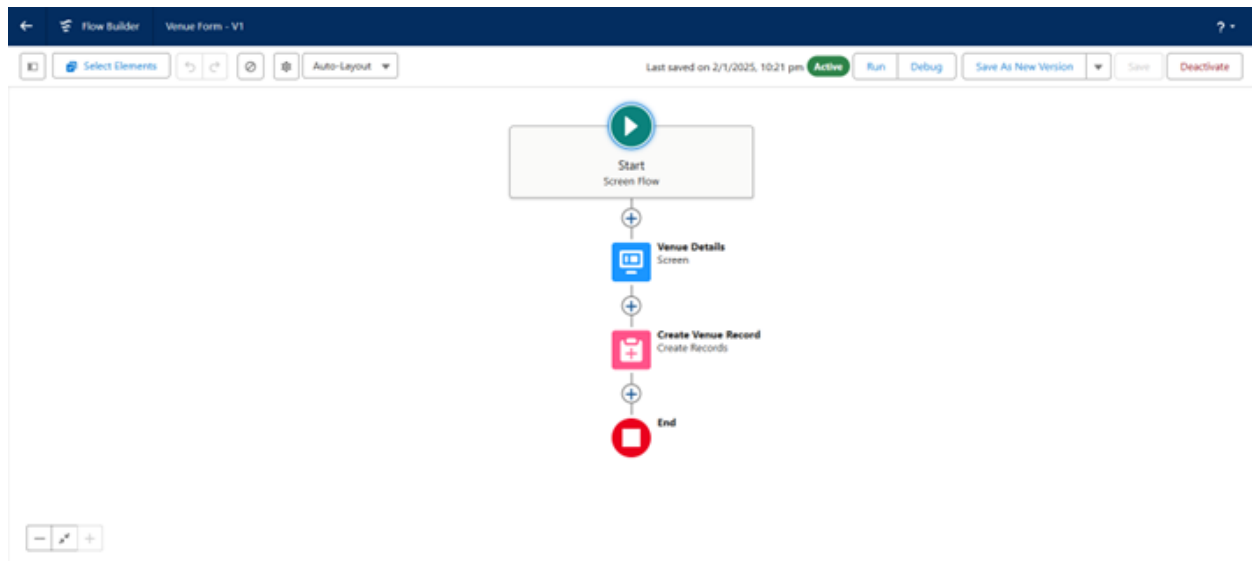
Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window

Edit Delete

HP Support Assistant



- creating triggers:

```

File • Edit • Debug • Test • Workspace • Help • < >
DropOffTrigger.apex
Code Coverage: None • API Version: 62
Go To

1 trigger DropOffTrigger on Drop_Off_point__c (before insert) {
2
3   for(Drop_Off_point__c Drop : Trigger.new){
4
5       Drop.Distance__c = Drop.distance_calculation__c;
6
7   }
8
9 }
  
```

Setup Home Object Manager

Search Setup

public

Users

Public Groups

Feature Settings

Salesforce Files

Content Deliveries and Public Links

Company Settings

Calendar Settings

Public Calendars and Resources

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

SETUP Public Groups

Public Groups

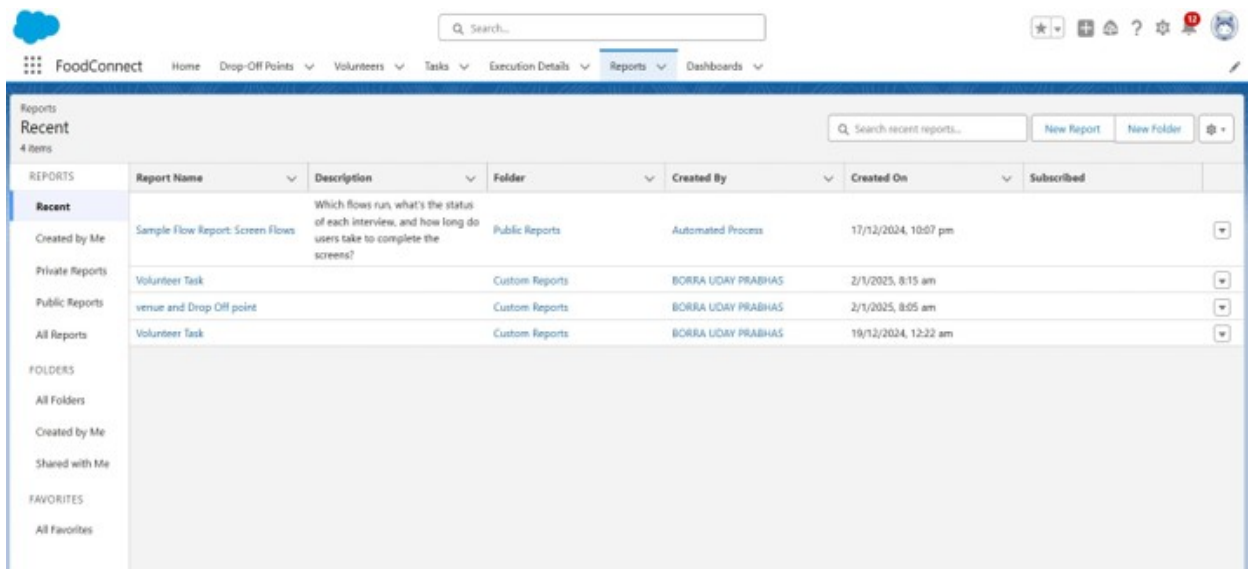
A public group is a set of users. It can contain individual users, other groups, the users in a particular role or territory, or the users in a role or territory plus all of the users below that role or territory in the hierarchy.

View: All Edit 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	Label	Group Name	Created By	Created Date
New Del	ksha	ksha	UDAY PRABHAS BORSA	10/12/2024, 11:59 pm
New Del	DSS	DSS	UDAY PRABHAS BORSA	10/12/2024, 11:59 pm
New Del	Street_Case	Street_Case	UDAY PRABHAS BORSA	10/12/2024, 12:00 am

○ Creation of Report Types :

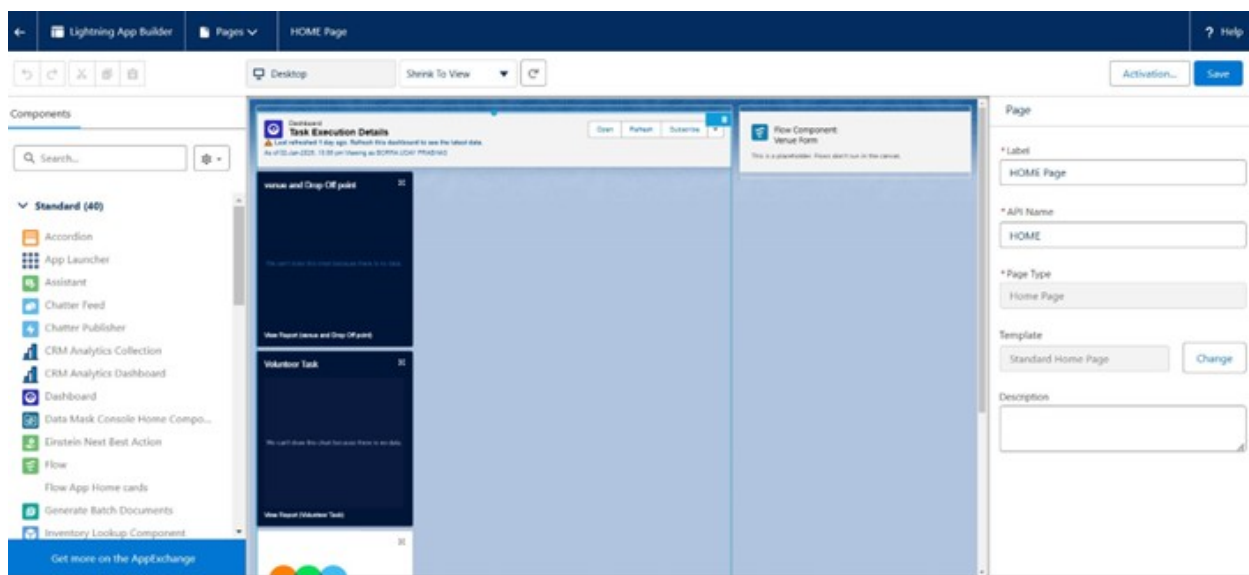


The screenshot shows the 'Reports' section of the FoodConnect application. The top navigation bar includes 'Home', 'Drop-Off Points', 'Volunteers', 'Tasks', 'Execution Details', 'Reports', and 'Dashboards'. The 'Reports' section is active, displaying a table of recent reports.

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	Sample Flow Report: Screen Flows	Which flows run, what's the status of each interview, and how long do users take to complete the screens?	Public Reports	Automated Process	17/12/2024, 10:07 pm	
Created by Me	Volunteer Task		Custom Reports	BORRA UDAY PRABHAS	2/1/2025, 8:15 am	
Private Reports	venue and Drop Off point		Custom Reports	BORRA UDAY PRABHAS	2/1/2025, 8:05 am	
Public Reports	Volunteer Task		Custom Reports	BORRA UDAY PRABHAS	19/12/2024, 12:22 am	
All Reports						

On the left side, there are sections for 'FOLDERS' (All Folders, Created by Me, Shared with Me) and 'FAVORITES' (All Favorites).

○ create app page using app builder :



The screenshot shows the 'Lightning App Builder' interface. The top navigation bar includes 'Lightning App Builder', 'Pages', and 'HOME Page'. The 'Components' panel on the left lists various standard components like Accordion, App Launcher, Assistant, Chatter Feed, Chatter Publisher, CRM Analytics Collection, CRM Analytics Dashboard, Dashboard, Data Mask Console Home Compo..., Einstein Next Best Action, Flow, Flow App Home cards, Generate Batch Documents, and Inventory Lookup Component. The main canvas displays a preview of the 'HOME Page' with a 'Task Execution Details' component and a 'Venue and Drop Off point' component. The right panel shows the 'Page' configuration settings, including 'Label' (HOME Page), 'API Name' (HOME), 'Page Type' (Home Page), 'Template' (Standard Home Page), and 'Description'.

5. Testing and Validation Describe the approach to testing_:

Tested all the Users, Reports and Dashboard clearly so that there will be no flaws in end application

6. Key Scenarios Addressed by Salesforce in the Implementation Project :

Simplifies and streamlines the entire process of managing food donations and distribution with an intuitive user interface for both administrators and end users. The platform enhances collaboration between donors, recipients, and volunteers, ensuring a seamless experience for all stakeholders while maximizing efficiency and impact.

7. Conclusion Summary of Achievements:

Gained a comprehensive understanding of the Salesforce environment and successfully implemented various tools and features to streamline food donation and distribution processes. Enhanced efficiency, collaboration, and data accuracy while addressing real-world challenges of food waste and hunger through the Food Connect project.

