

# **FoodConnect**

## **1. Project Overview:**

This project is focused on a CRM 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 :**


- a. Create forms for donors and recipients to submit and track donations.
- b. Set up a comprehensive Salesforce environment to manage food donations, inventory, and logistics.
- c. Streamline the entire process of food donation and distribution to make it more efficient and user-friendly.
- d. Automate the matching of food donations with recipients to save time and reduce manual effort.
- e. Enable real-time tracking of food deliveries using Salesforce and integrated tools.
- f. Provide insightful dashboards and reports to monitor donation trends and impact.
- g. Foster collaboration through community portals for donors, recipients, and volunteers.


### **3.Salesforce Key Features and Concepts Utilized :**

1. Salesforce objects
2. Classes
3. Flows
4. Triggers
5. Creation of Fields
6. Creation of Users
7. Sales force app builder
8. Creation of Public Groups
9. Creation of Reports
10. Lightning components


## 4.Detailed Steps to Solution Design:

### 1.Create objects



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12


Setup
Home
Object Manager



SETUP


### Object Manager

3 Items, Sorted by Label


Schema Builder
Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Revenue Async Operation	RevenueAsyncOperation	Standard Object			
Revenue Transaction Error Log	RevenueTransactionErrorLog	Standard Object			
Venue	Venue__c	Custom Object		18/12/2024	✓



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Setup
Home
Object Manager



SETUP


### Object Manager

1 Items, Sorted by Label


Schema Builder
Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Drop-Off Point	Drop__c	Custom Object		18/12/2024	✓



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Setup
Home
Object Manager


SETUP


### Object Manager

2 Items, Sorted by Label

Schema Builder
Create

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Task	Task__c	Custom Object		18/12/2024	✓
Task	Task	Standard Object			

## 2. Creating Flows and Fields



[Setup](#)
[Home](#)
[Object Manager](#)

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

**Details**

Edit
 Delete

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

←
 Flow Builder
 Venue Form - V1

Select Elements
 Auto-Layout
 Last saved on 2/1/2025, 10:21 pm
 Active
 Run
 Debug
 Save As New Version
 Save
 Deactivate

```

graph TD
    Start([Start  
Screen Flow]) --> VenueDetails[Venue Details  
Screen]
    VenueDetails --> CreateRecord[Create Venue Record  
Create Records]
    CreateRecord --> End([End])
    
```

Setup Home Object Manager

Search Setup

SETUP > OBJECT MANAGER

### Drop-Off Point

**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: 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

## Creation of Triggers

Developer Console - Google Chrome

gayatrividyaaparishadcol151-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help

DropOffTrigger.apxt

Code Coverage: None API Version: 62

```

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 }

```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
------	-------------	-----------	------	--------	------	------

Filter Click here to filter the log list

21°C Partly cloudy

Search

ENG IN 22:48 03-01-2025

## Creation of Users

Setup

Home

Object Manager

users

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

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

Search Setup

12

SETUP

Users

All Users

On this page you can create, view, and manage users.  
To get more licenses, use the Your Account app. [Let's Go](#)

View: All Users Edit Create New View

New User Reset Password(s) Add Multiple Users

Action	Full Name	Alias	Username	Role	Active	Profile
<a href="#">Edit</a>	Chatter Expert	Chatter	chatty.00dd00000hbtgua5_wvcwqz@hwc2@chatter.salesforce.com		✓	Chatter Free User
<a href="#">Edit</a>	Iksha Foundation, Iksha Foundation	iksh	ikshfoundation@sb.com		✓	NGOs Profile
<a href="#">Edit</a>	NSS, NSS	nss	nss@gvpce.ac.in		✓	NGOs Profile
<a href="#">Edit</a>	Street_Cause, Street_Cause	ssire	street@gvpce.ac.in		✓	NGOs Profile
<a href="#">Edit</a>	UDAY PRABHAS, BORRA	BUDAY	uday@gvp.dev		✓	System Administrator
<a href="#">Edit</a>	User_Integration	integ	integration@00dd00000hbtgua5.com		✓	Analytics Cloud Integration User
<a href="#">Edit</a>	User_Security	sec	insightssecurity@00dd00000hbtgua5.com		✓	Analytics Cloud Security User

New User Reset Password(s) Add Multiple Users

## Creation of Public Groups

Setup

Home

Object Manager

public

Public Groups

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.

Search Setup

12

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

New

Action	Label	Group Name	Created By	Created Date
<a href="#">Edit</a> <a href="#">Del</a>	Iksha	Iksha	UDAY PRABHAS, BORRA	18/12/2024, 11:59 pm
<a href="#">Edit</a> <a href="#">Del</a>	NSS	NSS	UDAY PRABHAS, BORRA	18/12/2024, 11:59 pm
<a href="#">Edit</a> <a href="#">Del</a>	Street_Case	Street_Case	UDAY PRABHAS, BORRA	19/12/2024, 12:00 am



## Creation of report types

Reports

Recent

4 items

Search recent reports...

New Report New Folder

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent						
Created by Me	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	
Private Reports	Volunteer Task		Custom Reports	BORRA UDAY PRABHAS	2/1/2025, 8:15 am	
Public Reports	venue and Drop Off point		Custom Reports	BORRA UDAY PRABHAS	2/1/2025, 8:05 am	
All Reports	Volunteer Task		Custom Reports	BORRA UDAY PRABHAS	19/12/2024, 12:22 am	

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites

## Create App page using App Builder

Lightning App Builder

Pages

HOME Page

Help

Desktop Shrink To View

Activation... Save

Components

Search...

Standard (40)

- 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
- Inventory Lookup Component

Get more on the AppExchange

Task Execution Details

Open Refresh Subscribe

Alert: Refreshed 1 day ago. Refresh this dashboard to see the latest data. As of 01-Jan-2025, 10:08 pm Viewing as BORRA UDAY PRABHAS

venue and Drop Off point

We can't show this chart because there is no data.

View Report (venue and Drop Off point)

Volunteer Task

We can't show this chart because there is no data.

View Report (Volunteer Task)

Flow Component: Venue Form

This is a placeholder. Flows don't run in the canvas.

Page

\* Label HOME Page

\* API Name HOME

\* Page Type Home Page

Template Standard Home Page Change

Description

## 5. Testing and Validation:

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



## **6.Key Scenarios addressedd 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:**

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 FoodConnect project.