To Supply Leftover Food To Poor

Category: Salesforce

Skills Required: Salesforce Developer

- 1. Project Overview
- 1.1 Project Objectives and Goals

Objective:

This project aims to develop a Salesforce-based application designed to manage and streamline the distribution of leftover food to underserved communities. The primary goal is to enhance the efficiency of food drop-offs, coordinate tasks, manage volunteers, and generate insightful reports.

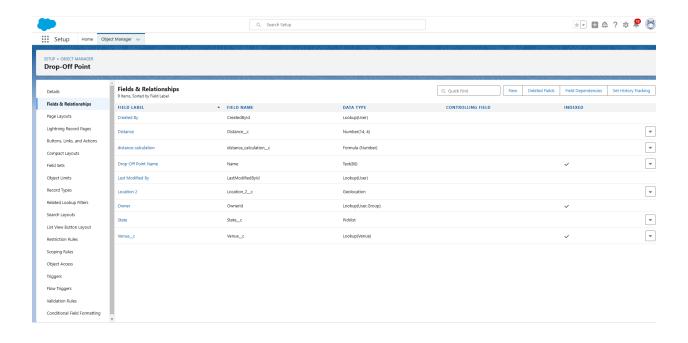
- 2. Detailed Description of Implemented Features
- 2.1 Custom Objects

1. Drop-Off Point:

Purpose:

The Drop-Off Point object captures essential details about locations where food is dropped off. This helps in tracking and managing food distribution points effectively.

- Drop-Off Point Name: A text field representing the name of the drop-off point.
- Location Details: A text field for additional details about the drop-off point location.
- Distance: A number field that the distance from the drop-off point to the delivery area.
- Venue: A lookup relationship field linking to the Venue object to provide a connection between drop-off points and venues.

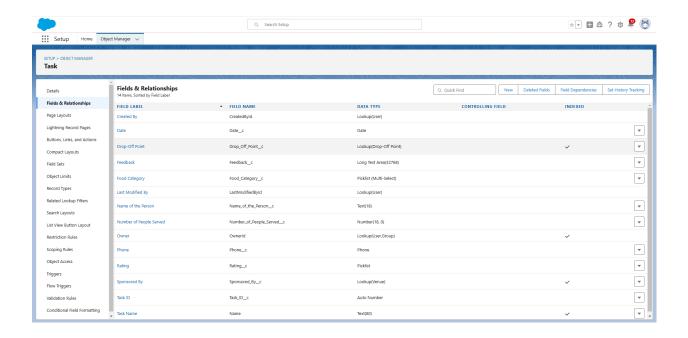


Task:

Purpose:

The task object is used to manage and track various tasks related to food distribution, including assigning tasks to volunteers and recording task details.

- Task name : A text field representing the name of the task.
- Date : A date field indicating when the task is scheduled or completed.
- Rating : A numeric field used to rate the task performance.
- Drop-off point : A lookup relationship field liking to the drop-off point object to associate tasks with specific drop-off points.
- Sponsored By : A lookup relationship field liking to the drop-off point object to indicate the sponsor of the task.

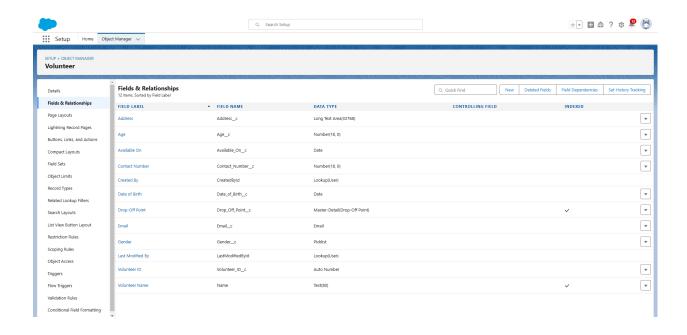


Volunteer:

Purpose:

The volunteer object tracks of individuals who are involved in the food distribution process, including their contact information and assigned tasks.

- Volunteer name : A text field for the name of the volunteer.
- Contact email: An email field for the volunteer's contact email.
- Contact phone : A phone field for the volunteer's contact number.
- Assigned tasks : A related list showing tasks assigned to the volunteer.

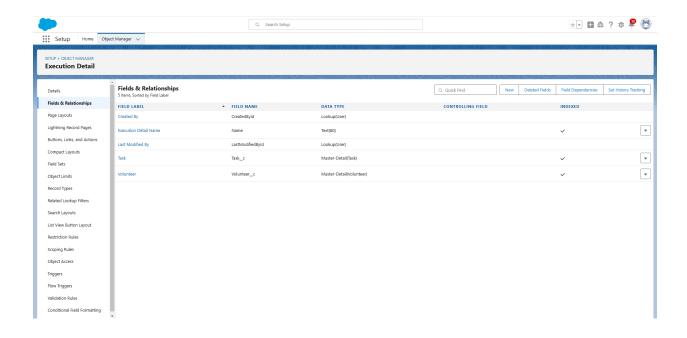


Execution Detail:

Purpose:

The execution detail object captures detailed information about food distribution activities, including which volunteers and tasks are associated with each distribution.

- Execution detail name : A text field for naming the execution detail record.
- Volunteer : A master-detail relationship field linking to the volunteer object to associate execution details with a specific volunteer.
 - Task : A master-detail relationship field linking to the task object to associate execution details with a specific task.
 - Details : A text field for additional information about the execution.



2.2 Object Relationships

Master-Detail Relationships:

àExecution detail to volunteer: Ensures that each execution detail record is linked to a volunteer, making volunteer information essential for each distribution record.

- → Execution detail to task: Ensures that each execution detail record is linked to a task,making task information essential for each distribution record.
- → Task to Volunteer : Connects tasks to volunteers, enabling tracking of which volunteer is responsible for each task.
- → Task to Drop-off point : Connects tasks to drop-off points,providing context on where each task is executed.
- → Drop-off point to venue : Links drop-off points to venues,facilitating a detailed understanding of where food is being dropped off.

2.3 Sharing Rules

To ensure that records are shared appropriately based on distance criteria, the following sharing rules were set up:

1. Rule 1:

o Label: Rule 1

• Criteria: Records where the distance is less than 15 kms.

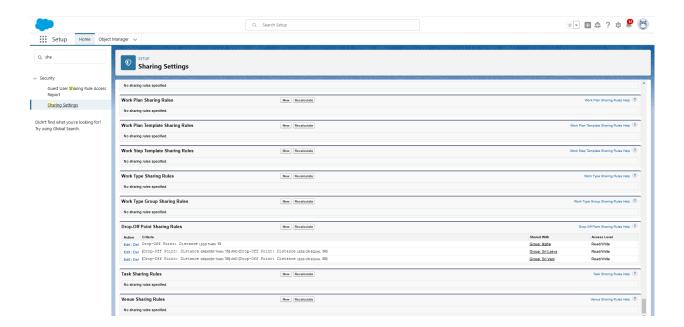
• Access : Shared with the public group – iksha

2. Rule 2:

• Label: Rule 2

• Criteria: Records where the distance is between 15 km and 30 km.

• Access : Shared with the public group – NSS



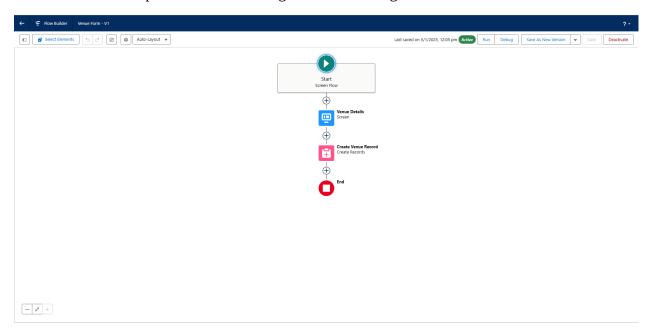
2.4 Flow and Dashboard

Flow: Venue flow

> Purpose: To manage and capture detailed information related to food drop-off points.

➤ Components :

- Text component : For entering the venue name.
- Email component : For entering the contact email of the venue.
- Phone component : For entering the contact phone number of the venue.
- Text component : For entering the venue location.
- Number components : For entering latitude and longitude values of the venue.

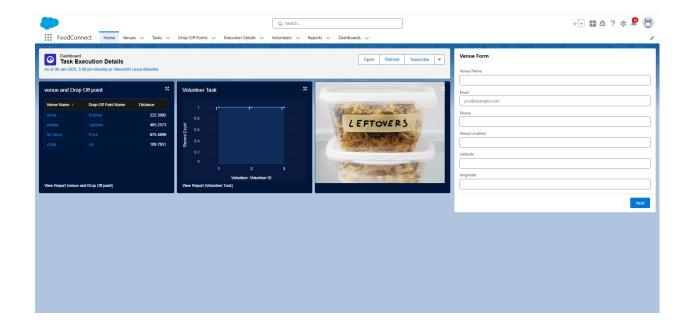


Dashboard:

➤ Name : Task Execution details

➤ Components :

• Lightning Table : Displays detailed information about venues and drop-off points, facilitating a comprehensive view of the data.

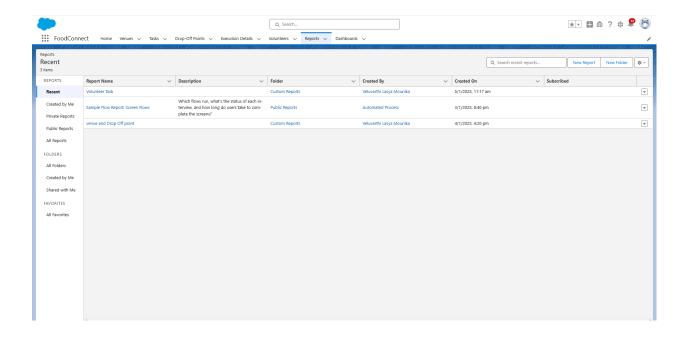


- 3. Configuration and Setup Instructions
- 3.1 Creating Custom Objects
- 1. Drop-off point:
- Navigate to Object manager > Create > Custom object .
- Enter details such as the label name,record name and other settings for drop off point.

2. Task:

- Navigate to Object Manager > Create > Custom Object.
- Enter details such as the label name,record name and other settings for Task.
- 3. Volunteer:
- Navigate to Object manager > Create > Custom object .
- Enter details such as the label name,record name and other settings for Volunteer.

- 4. Execution Detail:
- Navigate to Object manager > Create > Custom object .
- Enter details such as the label name, record name and other settings for Execution Detail.
- 3.2 Sharing Rules Setup
- ➤ Go to sharing settings.
- ➤ Define new sharing rules for drop-off point based on distance criteria, ensuring appropriate access for different public groups.
- 3.3 Sharing Rules Set up
- Go to Sharing settings
- Define new sharing rules for drop-off point based on distance criteria ensuring appropriate access for different public groups.
- 3.3 Lightning App Builder
- 1. Create Home Page:
- Go to Lightning App Builder > New
- Select Home Page and name it "HOME Page"
- Add flow component to the page.
- 2. Save and Activate:
- Click on Save and Activation.
- Set the page as the default for the FoodConnect app.



3.4 Report Types and Dashboards

1. Custom Report Types:

• Create report types for venue with Drop-off with Volunteer and Volunteers with Execution Details and Tasks.

2. Reports:

• Generate and configure reports using the custom report types to track and analyse relevant data.

3. Dashboards:

• Configure dashboards to visualise data from reports and other components, providing insights into the overall distribution process.

4. Deliverables:

- Code Files : Include Apex triggers and any other code implemented.
- Output Screenshots : Provide Screenshots of custom objects,flows,dashboards and reports to illustrate the setup.
- Project Documentation : Detailed descriptions of implemented features and set up

instructions.

• Project Demonstration Video : A video showcasing the functionality of the application including key features and processes.