**Project Title: 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

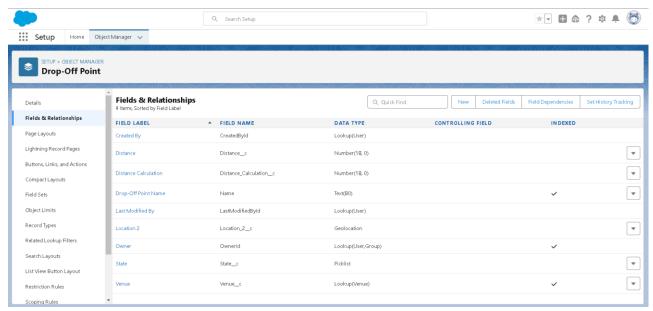
## 2.1 Custom Objects

## 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.

#### **■** Fields:

- 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 records 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.

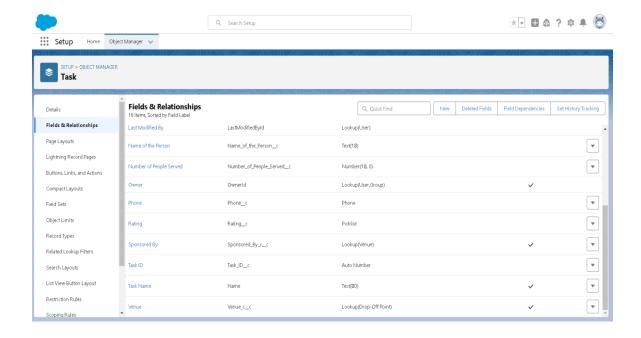


#### 2. **Task:**

■ **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.

#### **■** Fields:

- 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 linking to the Drop-Off Point object to associate tasks with specific drop-off points.
- **Sponsored By:** A lookup relationship field linking to the Drop-Off Point object to indicate the sponsor of the task.

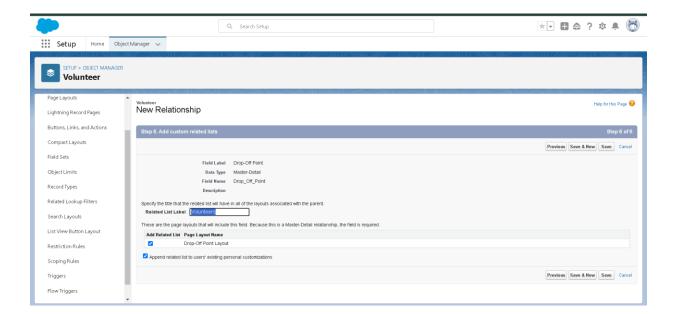


#### 3. Volunteer:

■ **Purpose:** The Volunteer object keeps track of individuals who are involved in the food distribution process, including their contact information and assigned tasks.

#### ■ Fields:

- **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.

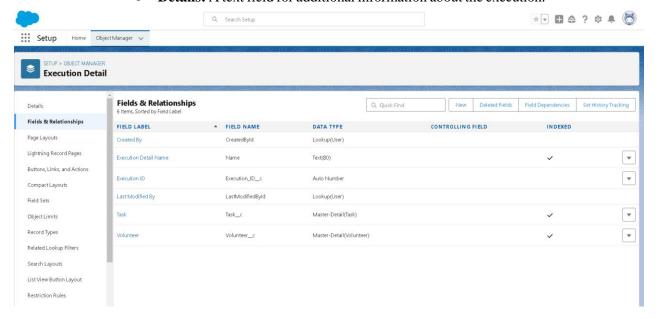


#### 4. Execution Detail:

■ **Purpose:** The Execution Detail object captures detailed information about food distribution activities, including which volunteers and task are associated with each distribution.

#### **■** Fields:

- **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.
- o **Details:** A text field for additional information about the execution.



## 2.2 Object Relationships

- Master-Detail Relationships:
  - Execution 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.

### • Lookup Relationships:

- Task to Drop-Off Point: Connects tasks to drop-off points, providing context on where each task is executed.
- **Task to Volunteer:** Connects tasks to volunteers, enabling tracking of which

volunteer is responsible for each task.

■ **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:

• Rule 1:

■ Label: Rule 1

■ Criteria: Records where the distance is less than 15 km

■ Access: Shared with Public Group - Iksha

• Rule 2:

■ Label: Rule 2

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

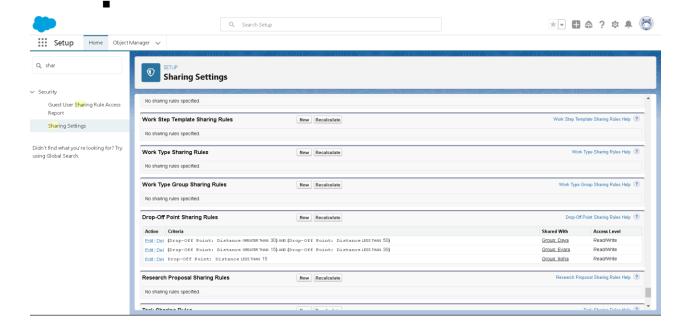
■ Access: Shared with Public Group - NSS

• Rule 3:

■ Label: Rule 3

■ Criteria: Records where the distance is between 30 km and 50 km

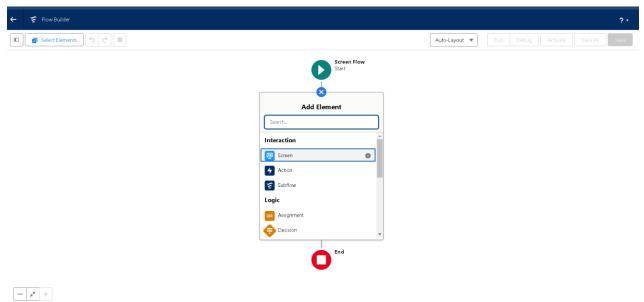
■ Access: Shared with Public Group - Street Cause



### 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.



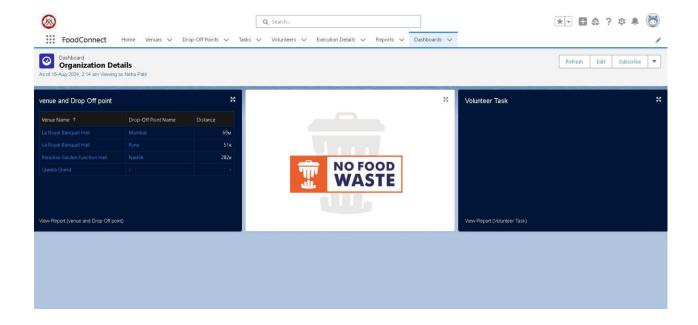
#### • Dashboard:

■ Name: Organization Details

## **■** Components:

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

0



# 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.

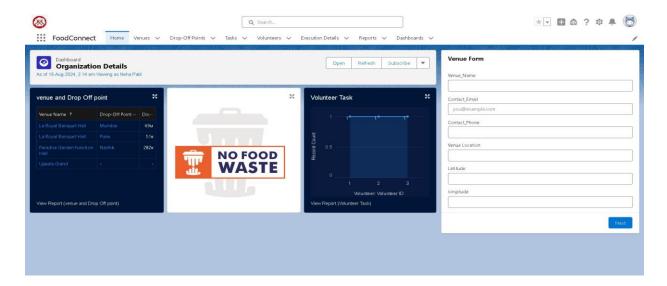
# 3.3 Lightning App Builder

## 1. Create Home Page:

- Go to **Lightning App Builder** > **New**.
- Select **Home Page** and name it **"HOME Page"**.
- Add **Flow** and **Dashboard** components 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, configurations, and setup instructions.
- **Project Demonstration Video:** A video showcasing the functionality of the application, including key features and processes.