Project Title: To Supply Leftover Food to Poor

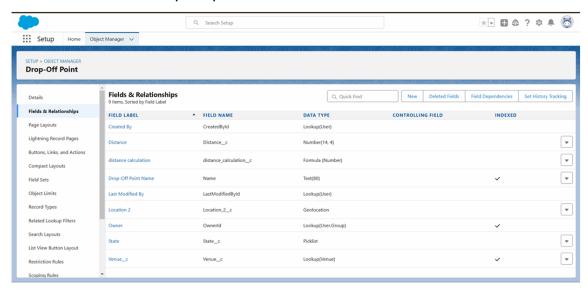
Category: Salesforce

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:
- o Drop-Off Point Name: A text field representing the name of the drop-off point.
- o Location Details: A text field for additional details about the drop-off point location.
- o 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.

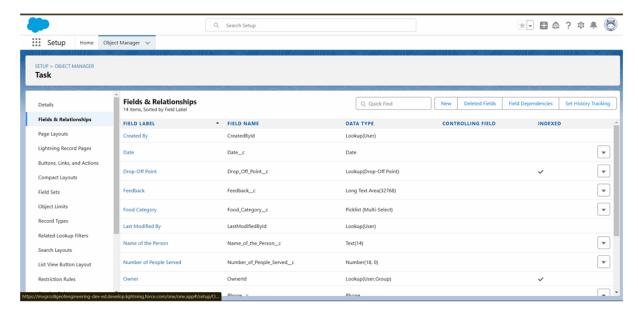


2. Task:

■ 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.

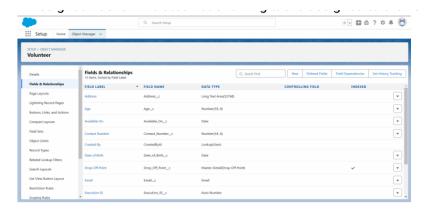
## ■ Fields:

- o Task Name: A text field representing the name of the task.
- o Date: A date field indicating when the task is scheduled or completed.
- o Rating: A numeric field used to rate the task performance.
- o 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.



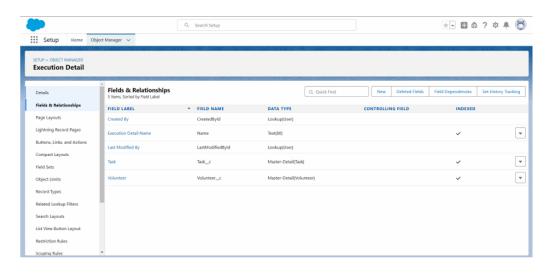
#### 3. Volunteer:

- 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.
- o Contact Email: An email field for the volunteer's contact email.
- o 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.
- o Volunteer: A master-detail relationship field linking to the Volunteer object to associate execution details with a specific volunteer.
- o 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

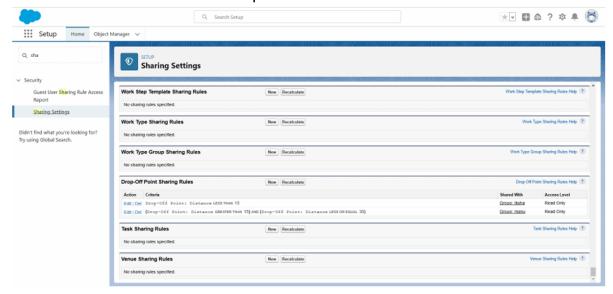
■ Access: Shared with Public Group - Iksha

• Rule 2:

■ Label: Rule 2

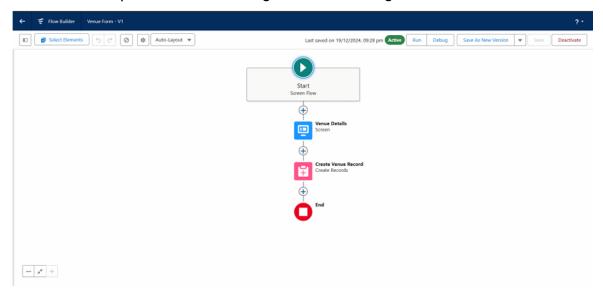
■ Criteria: Records where the distance is between 15 km and 30 km.

■ Access: Shared with Public Group - NSS

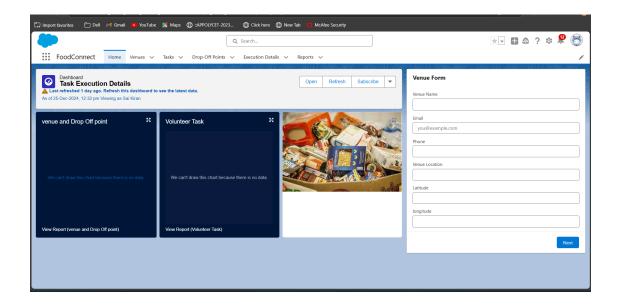


## 2.4 Flow and Dashboard

- Flow: Venue Flow
- Purpose: To manage and capture detailed information related to food drop-off points.
- Components:
- o Text Component: For entering the venue name.
- o 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.
- o Number Components: For entering latitude and longitude values of the venue.

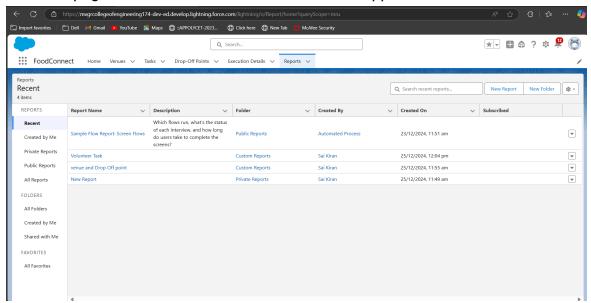


- Dashboard:
- Name: Organization Details
- Components:
- o Lightning Table: Displays detailed information about venues and drop-off points, facilitating a comprehensive view of the data.



- 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 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.