



Project Title: **To Supply Leftover Food to Poor**

Category: Salesforce

Skills Required: Salesforce Developer

1. Project Overview

a. 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

a. Custom Objects

1. Drop-OffPoint:

- 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:

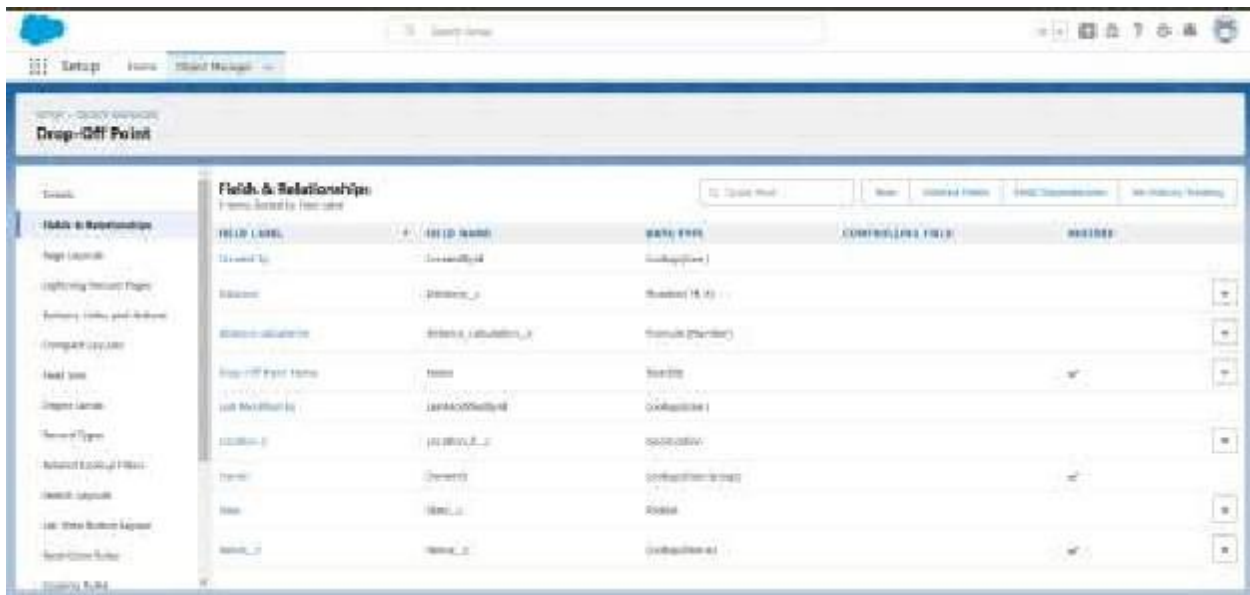
○ Drop-OffPoint Name: A text field representing the name of the drop-off point.

- 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



The screenshot shows the 'Drop-Off Point' object configuration page in Salesforce. The left sidebar lists various tabs like 'Fields & Relationships', 'Page Layouts', and 'Lightning Record Pages'. The main area displays a table of fields and their relationships.

FIELD LABEL	API FIELD NAME	DATA TYPE	CONTROLLING FIELD	REQUIRED
Location Id	LocationId	Lookup (Id)		
Distance	Distance_c	Number (18, 0)		
Distance calculation	Distance_calculation_c	Formula (Number)		
Drop-off Point Name	Name	Text (255)		
Link to Venue (Id)	LinkToVenueId	Lookup (Id)		
Location (c)	Location_c	Lookup (Id)		
Parent	ParentId	Lookup (Id)		
Date	Date_c	Date		
Rating	Rating_c	Lookup (Id)		

- 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

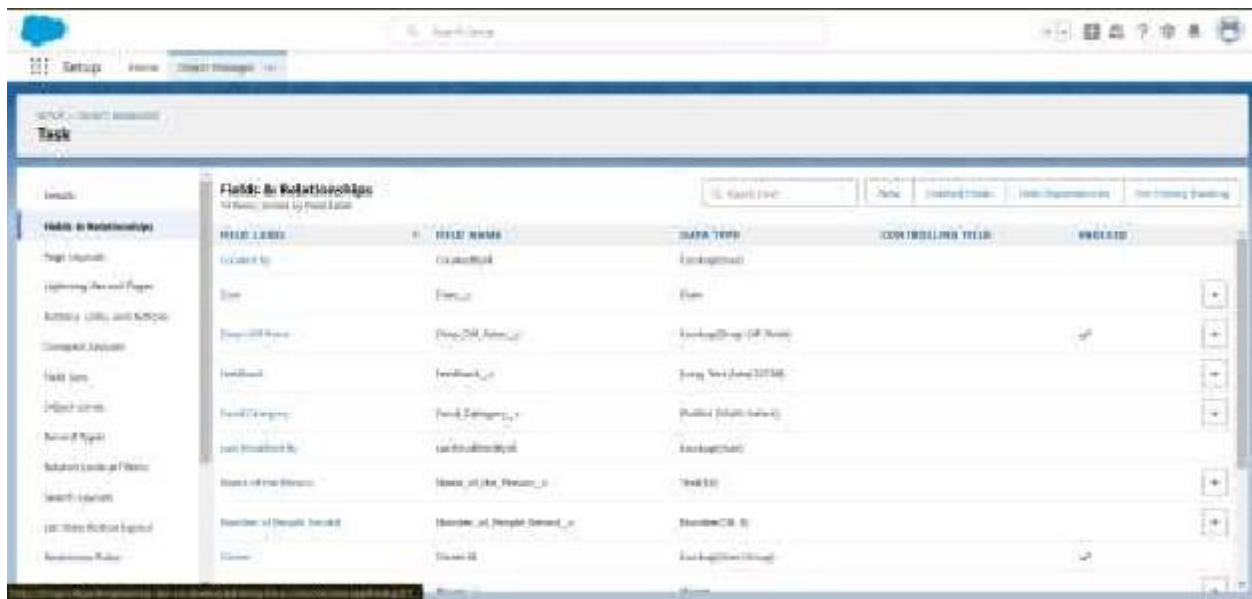
performance.

- 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

[illegible]

4. Execution Detail:

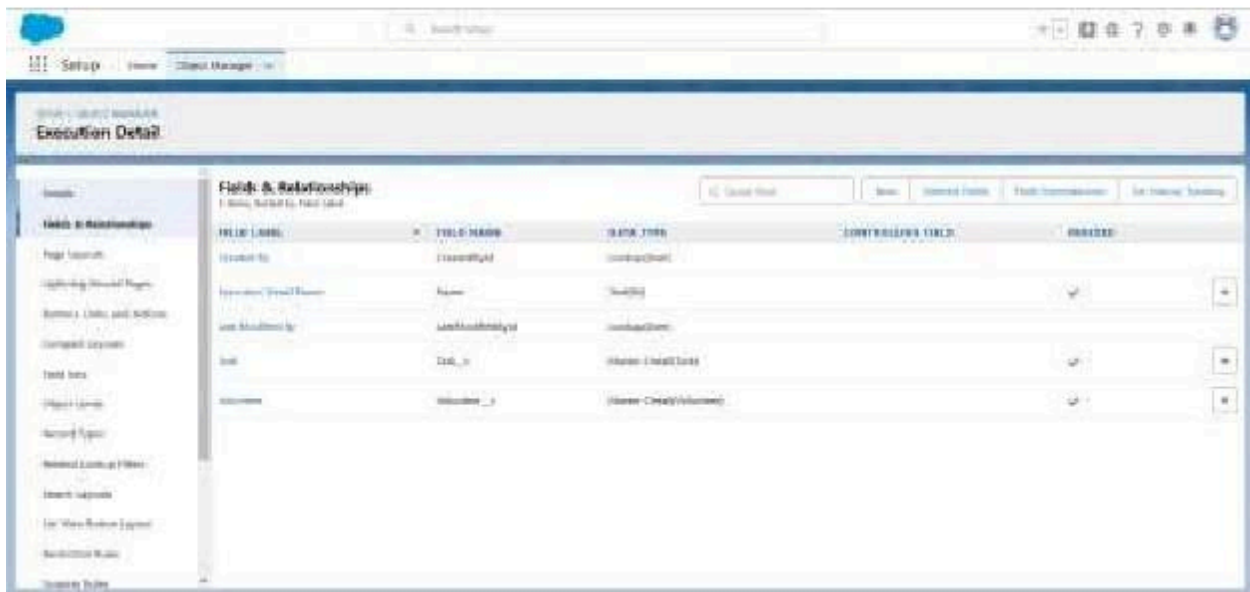
- Purpose: The Execution Detail object captures detailed information about food distribution activities, including which volunteers and task are associated with each distribution.

- 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.

- 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 1.5 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

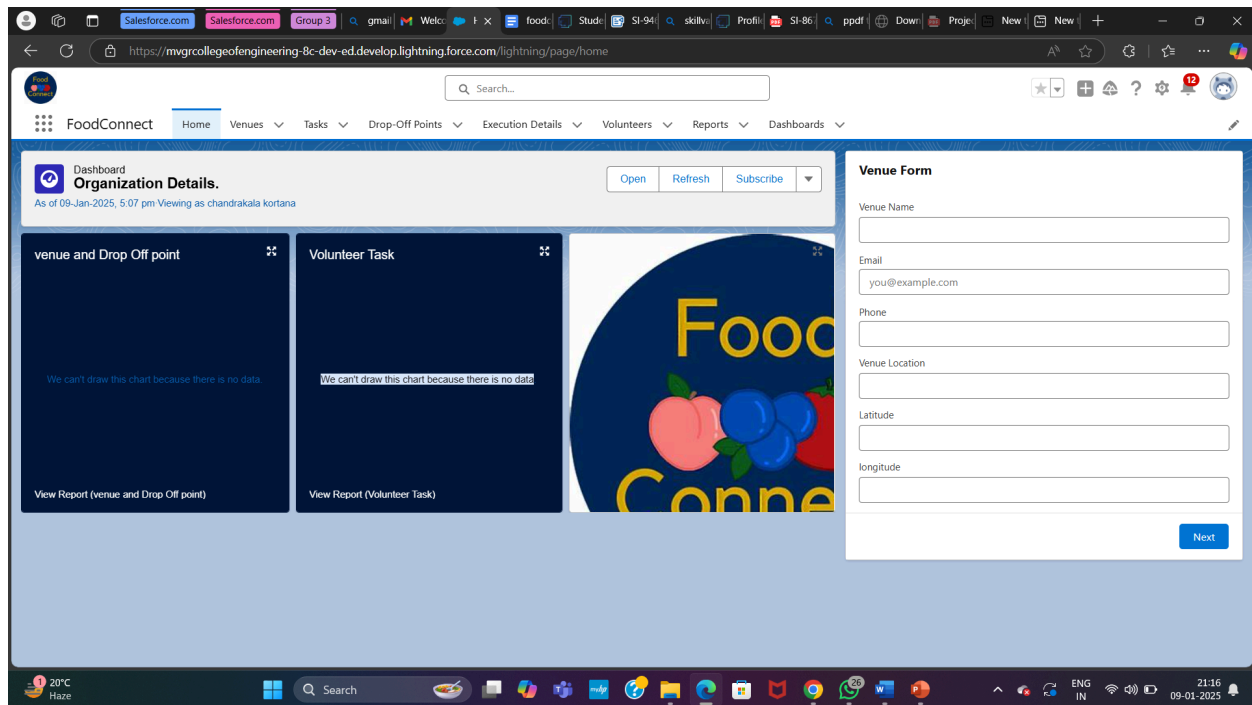
points.

- Components:
- 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.
- o Text Component: For entering the venue location.
- a 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.



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.

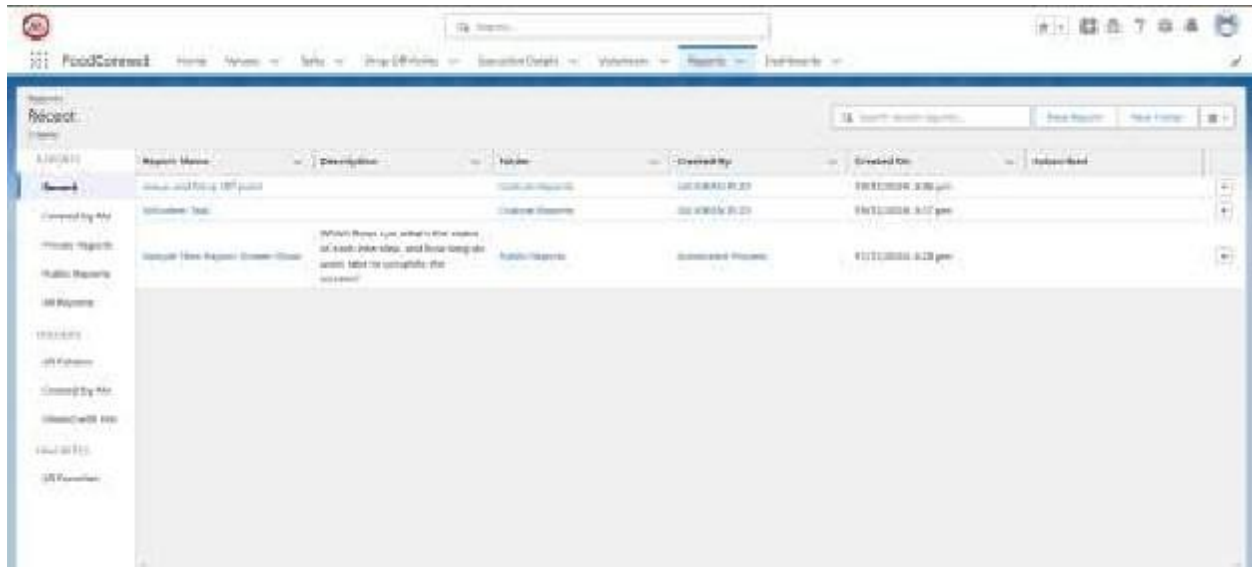
3.3 Lightning App Builder

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.