



Supplying Leftover Food to the Poor

Project Overview:

The aim of this project is to design a Salesforce-based solution that facilitates the collection, management, and distribution of leftover food to underprivileged communities. By leveraging Salesforce's tools, the project seeks to create an efficient and scalable system that connects food donors, logistics partners, and beneficiary organizations.

Objectives:

- Minimize food wastage by redistributing leftover food.
- Create a user-friendly platform to connect donors, logistics partners, and beneficiaries.
- Ensure traceability and accountability in the food distribution process.
- Enhance the efficiency of operations using Salesforce features.

Key Components

1. Stakeholders

- **Food Donors:** Restaurants, event organizers, grocery stores, and households.
- **Logistics Partners:** Delivery services and volunteers.
- **Beneficiaries:** NGOs, food banks, shelters, and underprivileged communities.

2. Features



Food Donor Portal

- Allow donors to:
 - Register and create profiles.
 - Log leftover food details (quantity, type, expiry, and location).
 - Schedule pickup times.

Logistics Management

- Assign pickups to logistics partners.
- Track real-time progress of food collection and distribution.
- Optimize routes for pickups and deliveries.

Beneficiary Organization Portal

- Enable NGOs and food banks to:
 - Register and create profiles.
 - View available food and request supplies.
 - Confirm receipt of food deliveries.

Admin Dashboard

- Monitor and manage the overall process.
- Generate reports on:
 - Food donations.
 - Logistics performance.
 - Beneficiary impact.



FoodConnect

Home Venues Tasks Drop-Off Points Execution Details Volunteers Reports Dashboards

Dashboard Task Execution Details

Open Refresh Subscribe

As of 07-Jan-2025, 9:47 pm-Viewing as Kunireddy Nithin

venue and Drop Off point

Venue Name	Drop-O...	dista...
Green Garden Banquet Hall	Garden Lane Drop-off	0.0
Luxe Palace Reception Hall	Luxe Avenue Drop-off	0.0
Ocean View Conference Center	Ocean Drive Drop-off	0.0
Surprise Event Hall	Surprise	8.7

View Report (venue and Drop Off point)

Volunteer Task

Record Count

1 0.8 0.6 0.4 0.2 0

1 2 3 4

Volunteer: Volunteer ID

View Report (Volunteer Task)

Venue Form

Venue Name

Email

Phone

Venue Location

Latitude

Longitude

Next

Setup

Home Object Manager

pub

Users

Public Groups

Feature Settings

Salesforce Files

Content Deliveries and Public Links

User Interface

Global Actions

Publisher Layouts

Company Settings

Calendar Settings

Public Calendars and Resources

Public Groups

Help for this Page

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

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Action	Label	Group Name	Created By	Created Date
Edit Del	charlie	charlie	SATYA AKKAPU	22/12/2024, 6:41 pm
Edit Del	people	people	SATYA AKKAPU	22/12/2024, 6:43 pm
Edit Del	raj	raj	SATYA AKKAPU	22/12/2024, 6:43 pm



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

SETUP

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

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	Charlie_Foundation Charlie Foundation	charlie	charliefoundation@sb.com		✓	NGOs Profile
Edit	Chatter Expert	Chatter	chatty.00dwu0000edzin2an.kth3wf1dotax@chatter.salesforce.com		✓	Chatter Free User
Edit	People_Foundation People Foundation	people	peoplefoundation@sb.com		✓	NGOs Profile
Edit	Raj_Foundation Raj Foundation	rraj_	rajfoundation@bs.com		✓	NGOs Profile
Edit	SATYA AKKAPU	ASATY	satyaakkapu@myqrl.com		✓	System Administrator
Edit	User_Integration	integ	integration@00dwu00000edzin2an.com		✓	Analytics Cloud Integration User
Edit	User_Security	sec	insightssecurity@00dwu00000edzin2an.com		✓	Analytics Cloud Security User

Setup

Home

Object Manager

SETUP > OBJECT MANAGER

Volunteer

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Fields & Relationships

13 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address_c	Long Text Area(32768)		
Age	Age_c	Number(18, 0)		
Availble On	Availble_On_c	Date		
Contact Number	Contact_Number_c	Number(18, 0)		
Created By	CreatedById	Lookup(User)		
Date of Birth	Date_of_Birth_c	Date		



Cloud icon

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Task

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Fields & Relationships
15 Items, Sorted by Field Label

[New](#) [Deleted Fields](#) [Field Dependencies](#) [Set History Tracking](#)

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Date	Date__c	Date		<input type="checkbox"/>
Distance	Distance__c	Number(14, 4)		<input type="checkbox"/>
Drop-Off Point	Drop_Off_Point__c	Lookup(Drop-Off Point)		<input checked="" type="checkbox"/>
Feedback	Feedback__c	Long Text Area(32768)		<input type="checkbox"/>
Food Category	Food_Category__c	Picklist (Multi-Select)		<input type="checkbox"/>



Setup Home Object Manager

SETUP > OBJECT MANAGER

Venue

Details

Fields & Relationships

8 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Contact Email	Contact_Email__c	Email		
Contact Phone	Contact_Phone__c	Phone		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Location	Location__c	Geolocation		
Owner	OwnerId	Lookup(User,Group)		✓
Venue Location	Venue_Location__c	Long Text Area(32768)		
Venue Name	Name	Text(80)		✓



Setup Home Object Manager

SETUP > OBJECT MANAGER

Drop-Off Point

Details

Fields & Relationships
8 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
distance calculation	distance_calculation_c	Formula (Number)		
Drop-Off Point Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Location 2	Location_2_c	Geolocation		
Owner	OwnerId	Lookup(User,Group)		✓
State	State_c	Picklist		
Venue_c	Venue_c	Lookup(Venue)		✓

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

Setup Home Object Manager

SETUP > OBJECT MANAGER

Execution Detail

Details


Fields & Relationships
5 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking








FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Execution Detail Name	Name	Text(80)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Task	Task_c	Master-Detail(Task)		✓
Volunteer	Volunteer_c	Master-Detail(Volunteer)		✓

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





Q Search...



FoodConnect Home Venues ▾ Drop-Off Points ▾ Tasks ▾ Volunteers ▾ Execution Details ▾ Reports ▾ Dashboards ▾

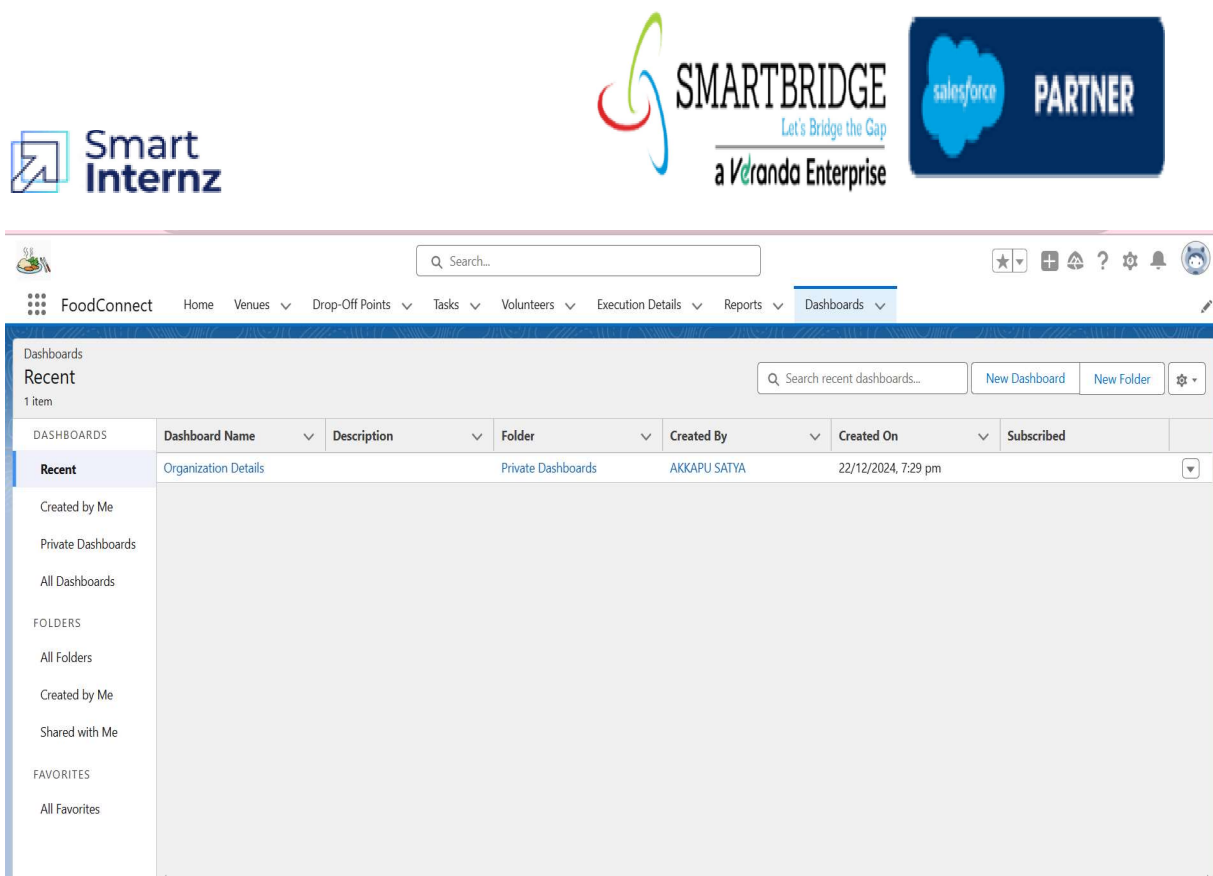
Reports

Recent

3 items

Q Search recent reports... New Report New Folder ⚙ ▾

REPORTS	Report Name ▾	Description ▾	Folder ▾	Created By ▾	Created On ▾	Subscribed	
Recent	Volunteer Task		Custom Reports	AKKAPU SATYA	22/12/2024, 7:15 pm		▾
Created by Me	venue and Drop Off point		Custom Reports	AKKAPU SATYA	22/12/2024, 6:56 pm		▾
Private Reports	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	22/12/2024, 9:25 am		▾
Public Reports							
All Reports							
FOLDERS							
All Folders							
Created by Me							
Shared with Me							
FAVORITES							
All Favorites							



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salesforce PARTNER

FoodConnect Home Venues Drop-Off Points Tasks Volunteers Execution Details Reports Dashboards

Dashboards

Recent

1 item

Search recent dashboards... New Dashboard New Folder

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Organization Details		Private Dashboards	AKKAPU SATYA	22/12/2024, 7:29 pm	

Created by Me

Private Dashboards

All Dashboards

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites

Process Workflow

1. **Donor Registers Food:** A donor logs leftover food details through the portal.
2. **Logistics Partner Assignment:** The system assigns a logistics partner to collect the food based on location and availability.
3. **Food Pickup:** Logistics partner collects the food from the donor.
4. **Food Distribution:** Collected food is delivered to the beneficiary organization.
5. **Feedback Collection:** System collects feedback from donors and beneficiaries to improve services.

Benefits

- **Environmental Impact:** Reduces food wastage and its associated carbon footprint.



- **Social Impact:** Provides meals to underprivileged communities, improving their quality of life.
- **Operational Efficiency:** Streamlines the food donation and distribution process.

Future Enhancements

- Integrate AI to predict food demand and optimize distribution.
- Implement blockchain for enhanced transparency and traceability.
- Develop a mobile application for donors and beneficiaries.

Technical Implementation

1. Salesforce Features Used

- **Salesforce Service Cloud:** Manage donor requests, logistics, and beneficiary communication.
- **Salesforce Flow:** Automate processes such as donor notifications and logistics assignments.
- **Reports and Dashboards:** Track KPIs like food donations and delivery times.
- **Salesforce Mobile App:** Enable on-the-go updates for logistics partners.

2. Data Model

- **Objects:**
 - **Donor:** Stores donor information and donation history.
 - **Food Donation:** Tracks details of each donation.
 - **Logistics Partner:** Contains details of logistics providers.
 - **Beneficiary:** Records information about NGOs and shelters.
 - **Delivery:** Tracks the status and history of each delivery.



- **Relationships:**

- Food Donations are linked to Donors.
- Deliveries are linked to both Food Donations and Logistics Partners.
- Beneficiary requests are linked to Deliveries.

Conclusion

This Salesforce-based solution bridges the gap between food surplus and scarcity, ensuring efficient and impactful redistribution of leftover food. By leveraging the platform's capabilities, the project contributes to a more sustainable and socially responsible future.