SUPPLY OF LEFTOVER FOOD TO THE POOR

1.Project Overview

"Food Connect" is a Salesforce-powered platform designed to connect food donors (e.g., restaurants, events, individuals) with non-profit organizations and volunteers. The goal is to efficiently redistribute surplus food to those in need, reducing food waste and addressing hunger.

2. Objectives

- **Reduce Food Waste:** Ensure surplus food is redirected to those in need instead of being discarded.
- **Ease of Access:** Provide an intuitive platform for donors and volunteers to coordinate food distribution.
- **Real-Time Tracking:** Enable real-time monitoring of donations and deliveries to ensure transparency.
- **Data-Driven Decisions:** Use reports and analytics to identify high-demand areas and optimize operations.

3. Key Features

Donor Portal

- Register donations with details like food type, quantity, and pickup time.
- View donation history and impact metrics.

Non-Profit Portal

- Request food based on availability and needs.
- Manage recipient records and distribution.

Volunteer Management

- Allow volunteers to sign up for food pickups and deliveries.
- Track volunteer contributions and schedules.

Real-Time Updates

- Notifications for new donations, pickup reminders, and delivery status.
- Integration with Google Maps for route optimization.

Analytics Dashboard

- Insights into donation trends, volunteer performance, and demand-supply gaps.

Mobile App

- Simplified interface for donors and volunteers to manage tasks on the go.

4. User Roles

Admin

- Manage user accounts, roles, and permissions.
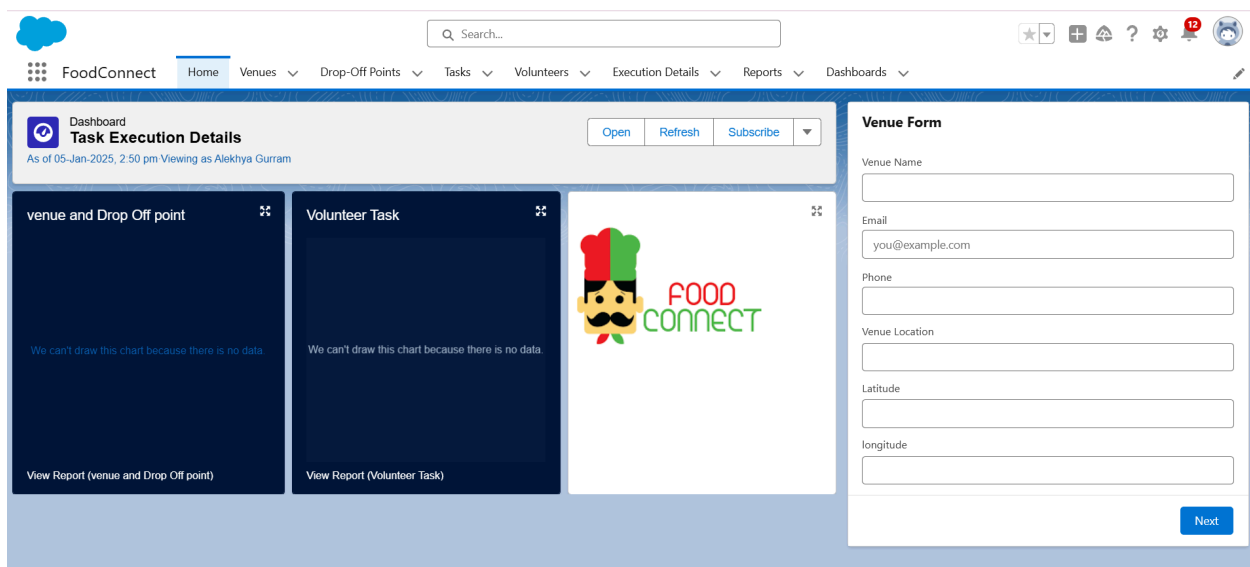- Oversee all activities on the platform.

Donor

- Register food donations and view donation impact.

Non-Profit Organization (NPO)

- Receive and distribute food donations.
- Update inventory and recipient records.

Volunteer

- Handle food pickups and deliveries.
- Update delivery status.

Sharing Settings

| Search Setup | | |

Setup | Home | Object Manager

sharing

∨ Security
　　Guest User Sharing Rule Access Report
　　Sharing Settings

Didn't find what you're looking for?
Try using Global Search.

SETUP
Sharing Settings

Work Type Sharing Rules   [New] [Recalculate]   Work Type Sharing Rules Help ?
No sharing rules specified.

Work Type Group Sharing Rules   [New] [Recalculate]   Work Type Group Sharing Rules Help ?
No sharing rules specified.

Drop-Off Point Sharing Rules   [New] [Recalculate]   Drop-Off Point Sharing Rules Help ?

Action	Criteria	Shared With	Access Level
Edit | Del	Drop-Off Point: Distance LESS THAN 15	Group: Iksha	Read Only
Edit | Del	(Drop-Off Point: Distance GREATER THAN 15) AND (Drop-Off Point: Distance LESS OR EQUAL 30)	Group: NSS	Read Only
Edit | Del	(Drop-Off Point: Distance GREATER THAN 30) AND (Drop-Off Point: Distance LESS OR EQUAL 50)	Group: Street Cause	Read Only

Task Sharing Rules   [New] [Recalculate]   Task Sharing Rules Help ?
No sharing rules specified.

Venue Sharing Rules   [New] [Recalculate]   Venue Sharing Rules Help ?
No sharing rules specified.

| Search Setup | | |

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

Didn't find what you're looking for?
Try using Global Search.

SETUP
Users

All Users

Help for this Page ?

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

[New User] [Reset Password(s)] [Add Multiple Users]

	Action	Full Name ↑	Alias	Username	Role	Active	Profile
☐	| Edit	Chatter Expert	Chatter	chatty.00dgy00000inusfmah.rnmew1obxmvr@chatter.salesforce.com		✓	Chatter Free User
☐	| Edit	Gurram, Alekhya	AGurr	alekhya@mvgr.com		✓	System Administrator
☐	| Edit	Iksha_Foundation, Iksha Foundation	iiksh	ikshaaafoundation@sb.com		✓	NGOs Profile
☐	| Edit	NSS, NSS	nnss	ikshafoundationnnn@sb.com@gmail.com		✓	NGOs Profile
☐	| Edit	Street_Cause, Street Cause	sstre	ikshafoundationnnn@sb.com@gmail.com		✓	NGOs Profile
☐	| Edit	User, Integration	integ	integration@00dgy00000inusfmah.com		✓	Analytics Cloud Integration User
☐	| Edit	User, Security	sec	insightssecurity@00dgy00000inusfmah.com		✓	Analytics Cloud Security User

[New User] [Reset Password(s)] [Add Multiple Users]

Setup | Home | Object Manager ∨

Search Setup

SETUP
Report Types

All Custom Report Types

Help for this Page

With custom report types, you can enable users to create reports from the predefined objects, object relationships, and fields that you specify.

View: All Custom Report Types ∨ | 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

New Custom Report Type

Action	Label ↑	Description	Category	Deployed	Created By Alias	Created Date
Edit | Del	Drop-Off Points with Volunteers with Execution Details	Drop-Off Points with Volunteers with Execution Details	Other Reports	✓	AGurr	04/01/2025
Edit | Del	Orchestration Run Logs Spring '24	Find out which orchestration run logs were created and what happened in their associated orchestration runs.	Other Reports	✓	autoproc	04/01/2025
Edit | Del	Orchestration Runs Spring '24	Find out which orchestration runs were created.	Other Reports	✓	autoproc	04/01/2025
Edit | Del	Orchestration Stage Runs Spring '24	Find out which orchestration stage runs were created and the current status of each run.	Other Reports	✓	autoproc	04/01/2025
Edit | Del	Orchestration Step Runs Spring '24	Find out which orchestration step runs were created and the current status of each run.	Other Reports	✓	autoproc	04/01/2025
Edit | Del	Orchestration Work Items Spring '24	Find out which orchestration work items were created, who's the associated assignee, and what's the current status of each work item.	Other Reports	✓	autoproc	04/01/2025
Edit | Del	Program Definition Spring '24	Review your analytics with a program-like structure. See each program task, target day, results, and more directly in a report and dashboard.	Other Reports	✓	autoproc	04/01/2025

Feature Settings
Analytics
Reports & Dashboards
Access Policies
Historical Trending
Report Types
Reporting Snapshots
Reports and Dashboards Settings
Security
Guest User Sharing Rule Access Report

Didn't find what you're looking for? Try using Global Search.

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

Reports
Recent
3 items

Search recent reports... | New Report | New Folder

	Report Name	Description	Folder	Created By	Created On	Subscribed
	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	4/1/2025, 5:13 pm	
	venue and Drop Off point		Custom Reports	Alekhya Gurram	4/1/2025, 10:46 pm	
	Volunteer Task		Custom Reports	Alekhya Gurram	5/1/2025, 2:31 pm	

REPORTS
Recent
Created by Me
Private Reports
Public Reports
All Reports

FOLDERS
All Folders
Created by Me
Shared with Me

FAVORITES
All Favorites

← 🌊 Flow Builder   Venue Form - V1   ? ▾

⬚ | 🔲 Select Elements | ↶ ↷ ⊘ ⚙ | Auto-Layout ▾   Last saved on 5/1/2025, 04:22 pm | Active | Run | Debug | Save As New Version ▾ | Save | Deactivate

▶ Screen Flow
  Start

⊕

🖥 Venue Details
   Screen

⊕

📋 Create Venue Record
   Create Records

⊕

⬛ End

☁ 🔍 Search Setup   ★▾ ➕ ☁ ? ⚙ 🔔12 👤

⦂⦂⦂ Setup | Home | Object Manager ▾

🔍 tabs

⚙ SETUP
   Tabs

∨ User Interface

   Rename Tabs and Labels

   Tabs

Didn't find what you're looking for?
Try using Global Search.

Custom Tabs   Help for this Page ?
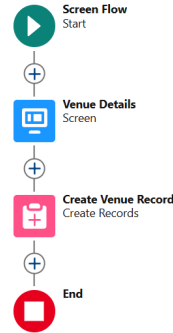
You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Custom Object Tabs   New   What Is This?

Action	Label	Tab Style	Description
Edit | Del	Drop-Off Points	📗 Musical Note	
Edit | Del	Execution Details	📘 Jewel	
Edit | Del	Tasks	📕 Car	
Edit | Del	Venues	⭐ Star	
Edit | Del	Volunteers	📷 Camera	

Web Tabs   New   What Is This?

☁ 🔍 Search Setup   ★▾ ➕ ☁ ? ⚙ 🔔12 👤

⦂⦂⦂ Setup | Home | Object Manager ▾

SETUP > OBJECT MANAGER
Task

Details

Fields & Relationships

Fields & Relationships   15 Items, Sorted by Field Label   🔍 Quick Find | New | Deleted Fields | Field Dependencies | Set History Tracking

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

FIELD LABEL ▲	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Date	Date__c	Date		▾
Distanceeeee	Distancee__c	Number(14, 4)		▾
Drop-Off Point	Drop_Off_Point__c	Lookup(Drop-Off Point)	✓	▾
Feedback	Feedback__c	Long Text Area(32768)		▾
Food Category	Food_Category__c	Picklist (Multi-Select)		▾
Last Modified By	LastModifiedById	Lookup(User)		
Name of the Person	Name_of_the_Person__c	Text(255)		▾

Details
Fields & Relationships   Quick Find   New   Deleted Fields   Field Dependencies   Set History Tracking
Fields & Relationships
5 Items, Sorted by Field Label

Page Layouts

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)		✓	⌄

Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout

Details
Fields & Relationships   Quick Find   New   Deleted Fields   Field Dependencies   Set History Tracking
Fields & Relationships
9 Items, Sorted by Field Label

Page Layouts

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED	
Created By	CreatedById	Lookup(User)			
Distance	Distance__c	Number(14, 4)			⌄
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			⌄

Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts

Search Setup

Setup   Home   Object Manager   ⌄

SETUP > OBJECT MANAGER
Venue

Details

Fields & Relationships

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)		✓	⌄

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

Search Setup

Setup   Home   Object Manager   ⌄

SETUP > OBJECT MANAGER
Volunteer

Details

Fields & Relationships

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)			⌄
Available On	Available_On__c	Date			⌄
Contact Number	Contact_Number__c	Number(18, 0)			⌄
Created By	CreatedById	Lookup(User)			
Date of Birth	Date_of_Birth__c	Date			⌄
Drop-Off Point	Drop_Off_Point__c	Master-Detail(Drop-Off Point)		✓	⌄

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
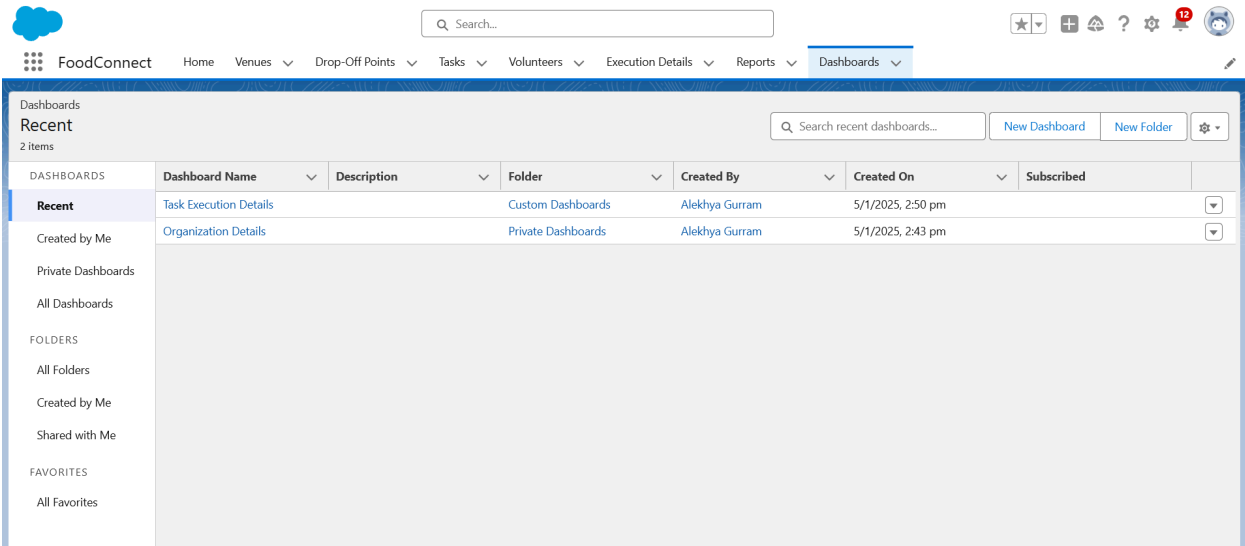
5. Technical Specifications

Platform: Salesforce

- **Cloud**: Salesforce Nonprofit Cloud
- **Customizations**: Apex Classes, Triggers, Lightning Components, and Flows
- **Integrations**: Google Maps API, SMS/Email Notifications (Twilio or SendGrid)

Data Model

- **Objects**:
  - **Donations**: Tracks food donations with attributes like type, quantity, expiration date, and pickup time.
  - **Organizations**: Stores details of registered non-profits.
  - **Volunteers**: Tracks volunteer availability and activities.
  - **Deliveries**: Manages delivery status and routes.

Security

- Role-based access control.
- Data encryption for sensitive information.

6. Implementation Steps

Phase 1: Requirement Gathering

- Understand donor, volunteer, and NPO requirements.
- Map workflows for donations, pickups, and deliveries.

Phase 2: System Design

- Define data model and relationships in Salesforce.
- Create wireframes for user interfaces.

Phase 3: Development

- Set up Salesforce Nonprofit Cloud.
- Develop custom objects, flows, and automation using Apex and Lightning.
- Integrate third-party APIs for notifications and mapping.

Phase 4: Testing

- Conduct unit testing for all customizations.
- Perform user acceptance testing (UAT) with pilot users.

Phase 5: Deployment

- Migrate configurations to the production environment.
- Train end-users and distribute user guides.

Phase 6: Post-Launch Support

- Monitor system performance and user feedback.
- Implement updates based on feedback and analytics.

7. Challenges and Solutions

- **Challenge:** Timely pickup of perishable food.
  - **Solution:** Real-time volunteer notifications and route optimization.
- **Challenge:** Ensuring food safety compliance.
  - **Solution:** Include fields for food expiration and safety checks in the workflow.

8. Benefits

- Efficient redistribution of surplus food to those in need.
- Reduction in food waste and environmental impact.
- Enhanced collaboration among donors, non-profits, and volunteers.
- Improved transparency and accountability in food distribution.

9. Future Enhancements

- AI-based demand prediction to prioritize high-need areas.
- Expand integrations to include delivery services like Uber or DoorDash.
- Gamification to encourage donor and volunteer participation.

10. Conclusion

The "Food Connect" project leverages Salesforce's robust platform to address two critical societal challenges: food waste and hunger. By creating a streamlined, user-friendly system for donors, non-profits, and volunteers, the platform fosters collaboration and ensures that surplus food reaches those in need efficiently and safely.

Through its real-time tracking, analytics, and automation capabilities, "Food Connect" not only enhances transparency but also enables data-driven decision-making to optimize operations. The project promotes environmental sustainability by reducing food waste while making a meaningful impact on the lives of underserved communities.

Looking ahead, "Food Connect" has the potential to scale further by incorporating advanced technologies such as AI and expanding partnerships with logistics providers. This initiative serves as a testament to how technology can be a powerful enabler of social good, bridging the gap between surplus and scarcity in a world that needs innovative solutions to pressing challenges.