



To Supply Leftover Food to Poor

1. Project Overview :

This project centers on creating "Leftover Link ," a platform dedicated to addressing food waste and hunger. The initiative aims to establish an efficient connection between food donors, recipients, and volunteers using innovative technology. By integrating advanced tools such as real-time tracking, geo-location services, and data analytics, Leftover Link streamlines food donation logistics and enhances distribution efficiency. The platform fosters community engagement, supports sustainable food practices, and ensures that surplus food is redirected to those in need. Through collaboration and technology, this project strives to make food redistribution seamless, impactful, and environmentally responsible.

2. Objectives:

1.Business Goals:

The project aims to reduce food waste by connecting surplus food sources with underserved communities, addressing hunger through consistent access to nutritious meals. It seeks to enhance community engagement by encouraging participation from individuals and businesses while leveraging technology to streamline and optimize food donation and distribution processes.

2. Specific Outcomes:

The project will reduce food waste by efficiently redistributing surplus food to underserved communities, ensuring better access to nutritious meals. It will enhance community engagement and promote sustainable practices. Technology-driven insights will optimize operations and measure the initiative's impact.


3. Salesforce Key Features and Concepts Utilized:


- **Case Management:** Track and resolve issues related to food donations efficiently.


- **Custom Objects:** Tailored objects for managing donations, donors, recipients, and logistics.
- **Process Builder:** Automate workflows like sending thank-you notes or pick-up alerts.
- **Chatter:** Internal communication tool for team coordination and updates.
- **Salesforce Mobile App:** Mobile access for donors, recipients, and volunteers.
- **Campaign Management:** Manage community engagement campaigns for food donations.
- **Reports and Dashboards:** Visualize data on donations, impact, and operational performance.
- **Email Integration:** Automate communication with donors, recipients, and volunteers.

4. Detailed Steps to Solution Design:

- **Requirements Gathering:**
Conduct surveys and interviews with users to identify needs and define features such as donation tracking and real-time alerts.
- **Wireframing and Prototyping:**
Create wireframes and prototypes for mobile and web interfaces, testing usability and gathering feedback for improvements.
- **System Architecture:**
Design the backend system, define data models, and plan API integrations with services like GPS and notifications, ensuring security and scalability.
- **Integration Plan:**
Plan the integration of third-party services for tracking, notifications, and payments to ensure smooth data flow and synchronization.
- **User Testing:**
Conduct pilot testing with real users to refine features and improve usability based on feedback.
- **Finalizing the Solution Design:**
Finalize the design, ensuring scalability, security, and integration, and document the system for development and maintenance.





[Home](#)
[Venues](#)
[Tasks](#)
[Drop-Off Points](#)
[Execution Details](#)
[Volunteers](#)
[Reports](#)
[Dashboards](#)


Dashboard
Task Execution Details
 As of 06-Jan-2025, 7:52 pm Viewing as Bhagyatalaxmi Ambali

[Open](#)
[Refresh](#)
[Subscribe](#)


venue and Drop Off point



We can't draw this chart because there is no data.


[View Report \(venue and Drop Off point\)](#)

Volunteer Task



We can't draw this chart because there is no d...

[View Report \(Volunteer Task\)](#)



Venue Form

Venue Name

Email


Phone


Venue Location

Latitude

Longitude

[Next](#)





[Home](#)
[Object Manager](#)

Security

[Guest User Sharing Rule Access Report](#)

[Sharing Settings](#)

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


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: lksha | 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...

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

Dashboards
Recent
2 items

Search recent dashboards... New Dashboard New Folder

| DASHBOARDS | Dashboard Name | Description | Folder | Created By | Created On | Subscribed |
|--------------------|------------------------|-------------|--------------------|--------------------|-------------------|------------|
| Recent | Task Execution Details | | Custom Dashboards | Bhagyalaxmi Ambati | 6/1/2025, 7:52 pm | |
| Created by Me | Organization Details | | Private Dashboards | Bhagyalaxmi Ambati | 6/1/2025, 7:32 pm | |
| Private Dashboards | | | | | | |
| All Dashboards | | | | | | |
| FOLDERS | | | | | | |
| All Folders | | | | | | |
| Created by Me | | | | | | |
| Shared with Me | | | | | | |
| FAVORITES | | | | | | |
| All Favorites | | | | | | |

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

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 |
|-------------------------------|-----------------------------------|---------|--------------------------------------------------------------|------|--------|----------------------------------|
| <input type="checkbox"/> Edit | Ambati, Bhagyalaxmi | BAmba | salesforce@food.com | | ✓ | System Administrator |
| <input type="checkbox"/> Edit | Chatter Expert | Chatter | chatty.00dns000009v1i2av.xd3etzy1peny@chatter.salesforce.com | | ✓ | Chatter Free User |
| <input type="checkbox"/> Edit | Iksha_Foundation_Iksha.Foundation | iksh | userprofile@ab.com | | ✓ | NGOs Profile |
| <input type="checkbox"/> Edit | NSS_NSS | nnss | user2profile@ab.com | | ✓ | NGOs Profile |
| <input type="checkbox"/> Edit | Street_cause_Street.cause | ssire | user3profile@ab.com | | ✓ | NGOs Profile |
| <input type="checkbox"/> Edit | User_Integration | integ | integration@00dns000009v1i2ay.com | | ✓ | Analytics Cloud Integration User |
| <input type="checkbox"/> Edit | User_Security | sec | insightssecurity@00dns000009v1i2ay.com | | ✓ | Analytics Cloud Security User |

New User Reset Password(s) Add Multiple Users

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



Search Setup

☆ + ? ⚙️ 🔔 👤

Setup

Home

Object Manager

report

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.

Report Types

All Custom Report Types

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

| 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 | ✓ | BÁmba | 06/01/2025 |
| 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 | 05/01/2025 |
| Edit Del | Orchestration Runs Spring '24 | Find out which orchestration runs were created. | Other Reports | ✓ | autoproc | 05/01/2025 |
| 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 | 05/01/2025 |
| 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 | 05/01/2025 |
| 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 | 05/01/2025 |
| 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 | 05/01/2025 |
| Edit Del | Program Definition Summary '24 | Review your analytics with a program-like structure. See each program task, target day, results, and | Other | ✓ | autoproc | 05/01/2025 |

Search...

☆ + ? ⚙️ 🔔 👤

FoodConnect

Home

Venues

Tasks

Drop-Off Points

Execution Details

Volunteers

Reports

Dashboards

Reports

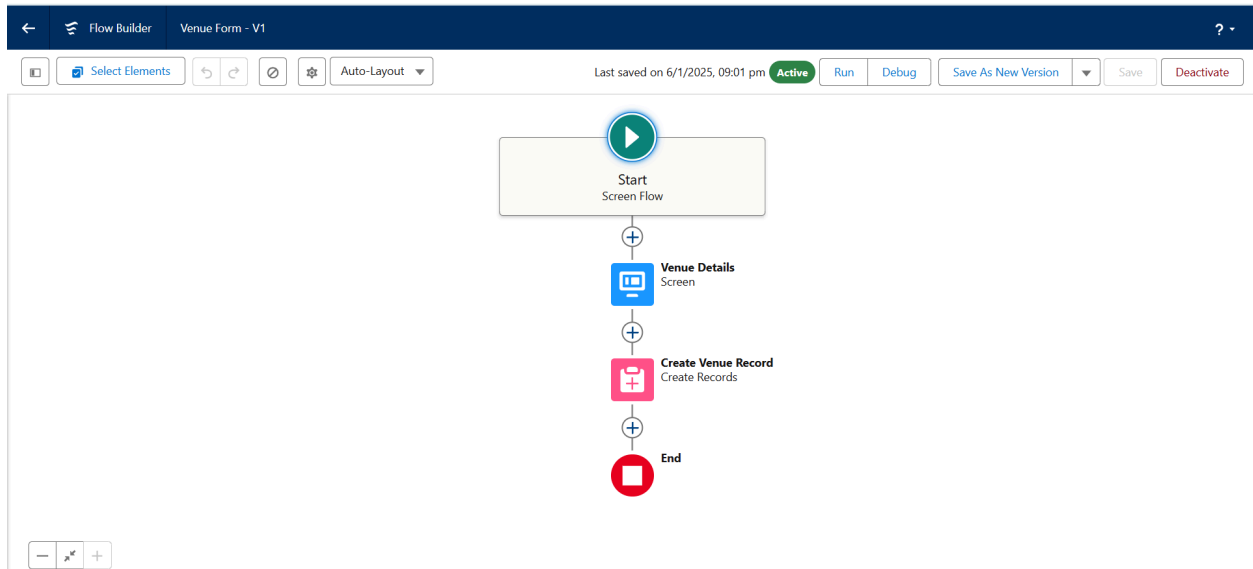
Recent

3 items

Search recent reports...

New Report New Folder ⚙️

| REPORTS | Report Name | Description | Folder | Created By | Created On | Subscribed |
|-----------------|----------------------------------|-----------------------------------------------------------------------------------------------------------|----------------|--------------------|-------------------|------------|
| Recent | 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 | 5/1/2025, 9:16 pm | 📄 |
| Created by Me | Volunteer Task | | Custom Reports | Bhagyalaxmi Ambati | 6/1/2025, 7:30 pm | 📄 |
| Private Reports | venue and Drop Off point | | Custom Reports | Bhagyalaxmi Ambati | 6/1/2025, 6:31 pm | 📄 |
| Public Reports | | | | | | |
| All Reports | | | | | | |
| FOLDERS | | | | | | |
| All Folders | | | | | | |
| Created by Me | | | | | | |
| Shared with Me | | | | | | |
| FAVORITES | | | | | | |
| All Favorites | | | | | | |



Setup Home Object Manager

Search Setup

Q tabs

User Interface

Rename Tabs and Labels

Tabs

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

Custom Tabs

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.

| Action | Label | Tab Style | Description |
|--------------------------------------------|-------------------|-----------|-------------|
| Edit Del | Drop-Off Points | Books | |
| Edit Del | Execution Details | Laptop | |
| Edit Del | Tasks | Apple | |
| Edit Del | Venues | Flag | |
| Edit Del | Volunteers | Computer | |

Web Tabs

No Web Tabs have been defined

5. Testing and Validation:

the approach to testing:-

Unit Testing (Apex Classes, Triggers):

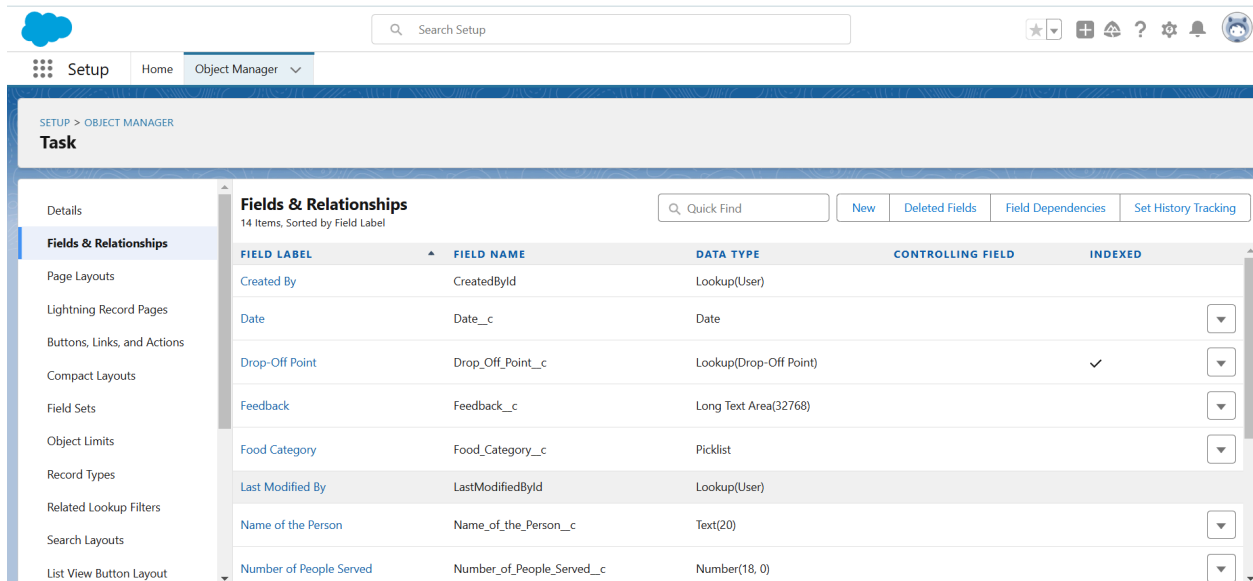
- **Apex Class Testing:**
Create unit tests to verify business logic in Apex classes, covering various scenarios and edge cases to ensure correct functionality under all conditions.
- **Trigger Testing:**
Write tests for triggers to ensure they fire correctly on object changes, performing necessary actions like record creation or updates.
- **Code Coverage:**
Ensure at least 75% code coverage to validate that all functionalities of Apex classes and triggers are properly tested and functioning.

User Interface (UI) Testing:

- **Functional Testing:**
Verify that web and mobile interfaces work as intended, including food donation posting, user registration, and volunteer sign-ups, ensuring proper data entry and navigation.
- **Cross-Browser and Mobile Testing:**
Test platform compatibility across browsers and devices, ensuring responsive design and consistent layout across different screen sizes.
- **Usability Testing:**
Conduct real-user testing to identify and resolve UI issues, focusing on ease of navigation and overall user experience.
- **Accessibility Testing:**
Ensure the platform meets web accessibility standards (WCAG), allowing access for users with disabilities.

6. Key Scenarios Addressed by Salesforce in the Implementation Project:

Salesforce facilitates tracking and managing food donations, including details like quantity and expiration dates. It matches donors with recipient organizations based on location and needs. Role-based access ensures secure data management for all users. Real-time notifications keep users informed about donations, pick-ups, and urgent needs. The platform also streamlines logistics and provides reports and analytics for better operational insights.



The screenshot shows the Salesforce Setup interface. The left sidebar contains navigation links: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, and List View Button Layout. The main content area is titled 'Task' and shows the 'Fields & Relationships' tab for a custom object. The tab has a search bar and buttons for 'New', 'Deleted Fields', 'Field Dependencies', and 'Set History Tracking'. Below the tab header is a table with 14 items, sorted by Field Label. The table has five columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED.

| FIELD LABEL | FIELD NAME | DATA TYPE | CONTROLLING FIELD | INDEXED |
|-------------------------|----------------------------|------------------------|-------------------|---------|
| Created By | CreatedById | Lookup(User) | | |
| Date | Date__c | Date | | |
| Drop-Off Point | Drop_Off_Point__c | Lookup(Drop-Off Point) | | ✓ |
| Feedback | Feedback__c | Long Text Area(32768) | | |
| Food Category | Food_Category__c | Picklist | | |
| Last Modified By | LastModifiedById | Lookup(User) | | |
| Name of the Person | Name_of_the_Person__c | Text(20) | | |
| Number of People Served | Number_of_People_Served__c | Number(18, 0) | | |



Search Setup

SetupHomeObject Manager

SETUP > OBJECT MANAGER

Drop-Off Point

Details

Fields & Relationships

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

Fields & Relationships

9 Items, Sorted by Field Label

Quick Find

NewDeleted FieldsField DependenciesSet History Tracking

| 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 | | |

Search Setup

SetupHomeObject Manager

SETUP > OBJECT MANAGER

Venue

Details

Fields & Relationships

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

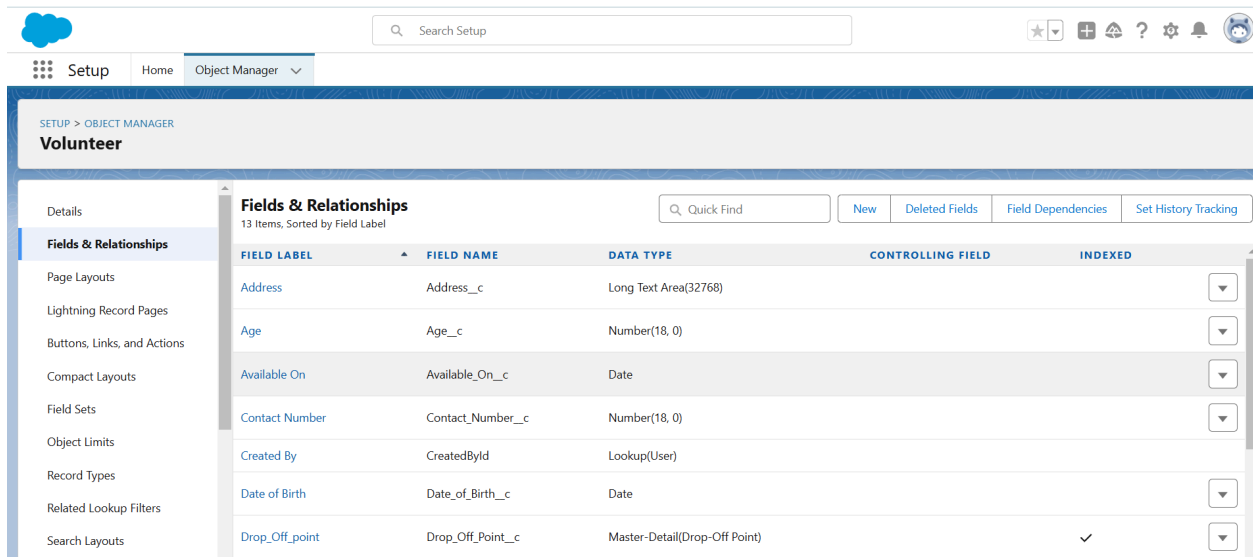
Fields & Relationships

8 Items, Sorted by Field Label

Quick Find

NewDeleted FieldsField DependenciesSet 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 > OBJECT MANAGER

Volunteer

Details

Fields & Relationships

13 Items, Sorted by Field Label

Q 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 | CreatedBy | Lookup(User) | | |
| Date of Birth | Date_of_Birth__c | Date | | |
| Drop_Off_point | Drop_Off_Point__c | Master-Detail(Drop-Off Point) | | ✓ |

7. Conclusion:

Summary of Achievements:

The project successfully developed a platform that streamlines food donation management, optimizing the process of matching donors with recipients. Key features such as real-time notifications, logistics coordination, and role-based access were effectively implemented. The platform has improved operational efficiency and enhanced community engagement. Overall, it has made significant progress in addressing food waste and hunger issues.