

# **Thiruvalluvar College Of Engineering And Technology**

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**PROJECT TITLE:** To supply leftover food and poor

**Presented BY**

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# **To supply leftover food and poor**

## **OVERVIEW**

Reducing food waste can also be beneficial for businesses, farmers, and organizations. For example, businesses can achieve positive returns from reducing food loss and waste. Farmers, businesses, and organizations may also receive tax incentives for donating unsold food.

## **OBJECTIVES**

Streamline leftover food distribution to those in need.

### ***Components:***

1. Food Donor Management
2. Recipient Organization Management
3. Food Pick-up and Delivery Management
4. Impact Tracking and Reporting

## **Salesforce Features:**

1. Custom Objects: Food Donations, Recipient Organizations, Delivery Routes
2. Accounts: Food Donors, Recipient Organizations
3. Contacts: Donor/Recipient Representatives
4. Opportunities: Food Pick-ups and Deliveries
5. Reports and Dashboards: Tracking donations, deliveries, and impact.

## **Workflow:**

1. Food donors register and create donation requests.
2. Recipient organizations register and specify needs.
3. Admin matches donations with recipients.
4. Volunteers schedule pick-ups and deliveries.
5. Track deliveries, recipient feedback, and impact.

## **Benefits:**

- Efficient food distribution
- Real-time tracking and reporting
- Scalable solution
- Enhanced collaboration

### **User Roles:**

1. Food Donor
2. Recipient Organization
3. Administrator
4. Volunteer

### **Key Pages:**

1. Food Donation Request Form
2. Recipient Organization Registration
3. Delivery Schedule
4. Impact Dashboard

## **Technical Requirements:**

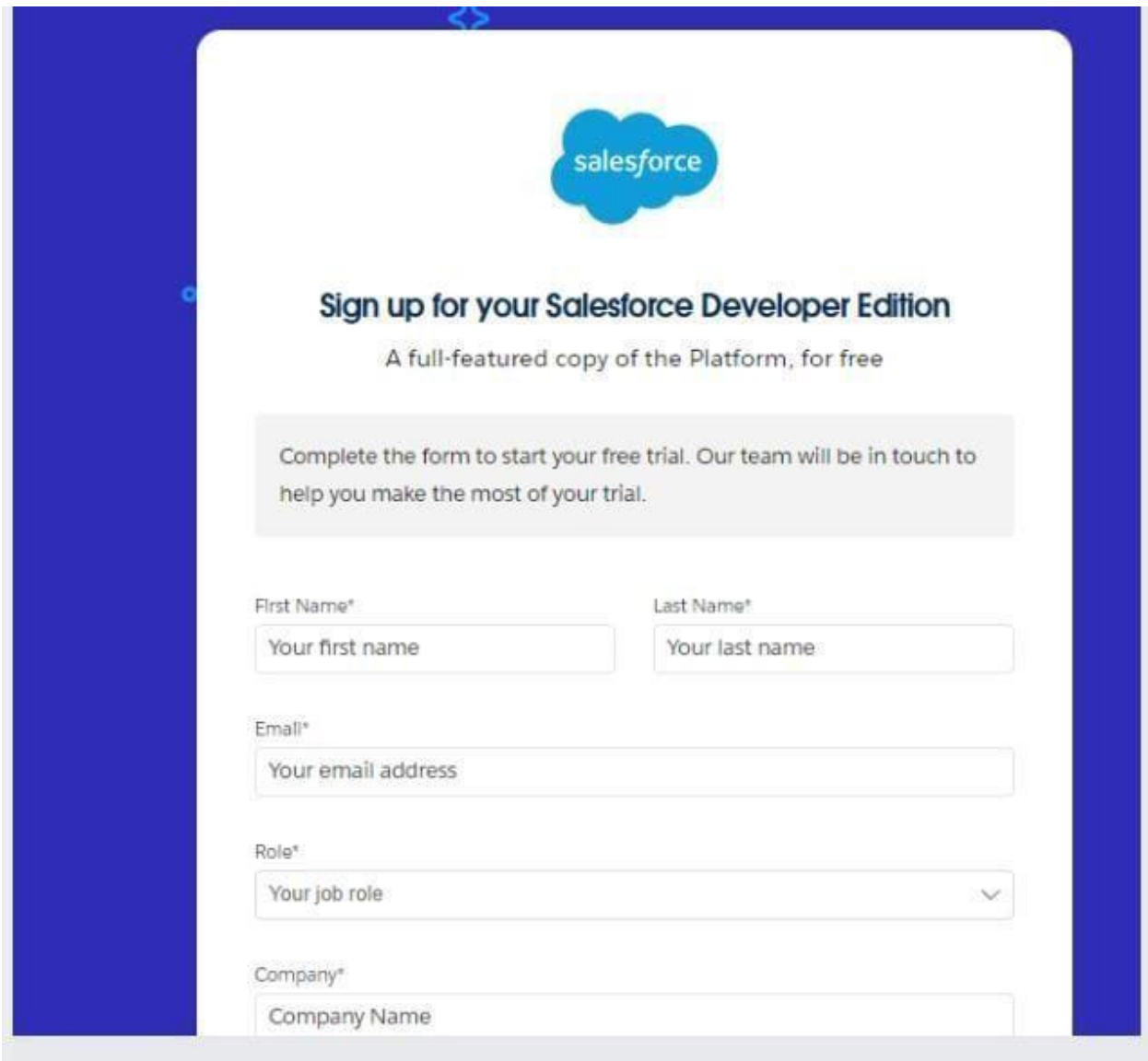
1. Salesforce Non-Profit Success Pack (NPSP)
2. Custom development for food donation and delivery management
3. Integration with mapping services (e.g., Google Maps)

## **Implementation Plan:**


1. Requirements gathering
2. Configuration and customization
3. Testing and training
4. Launch and ongoing support

## Sales to solution design

**creating developer org in Salesforce :** enter details for sign up in Salesforce .



The image shows the Salesforce Developer Edition sign-up form. It features the Salesforce logo at the top, followed by the heading "Sign up for your Salesforce Developer Edition" and the subtext "A full-featured copy of the Platform, for free". A grey box contains the instruction: "Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial." The form fields are: "First Name\*" (placeholder: "Your first name"), "Last Name\*" (placeholder: "Your last name"), "Email\*" (placeholder: "Your email address"), "Role\*" (placeholder: "Your job role" with a dropdown arrow), and "Company\*" (placeholder: "Company Name").



### Sign up for your Salesforce Developer Edition

A full-featured copy of the Platform, for free

Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial.

First Name\*

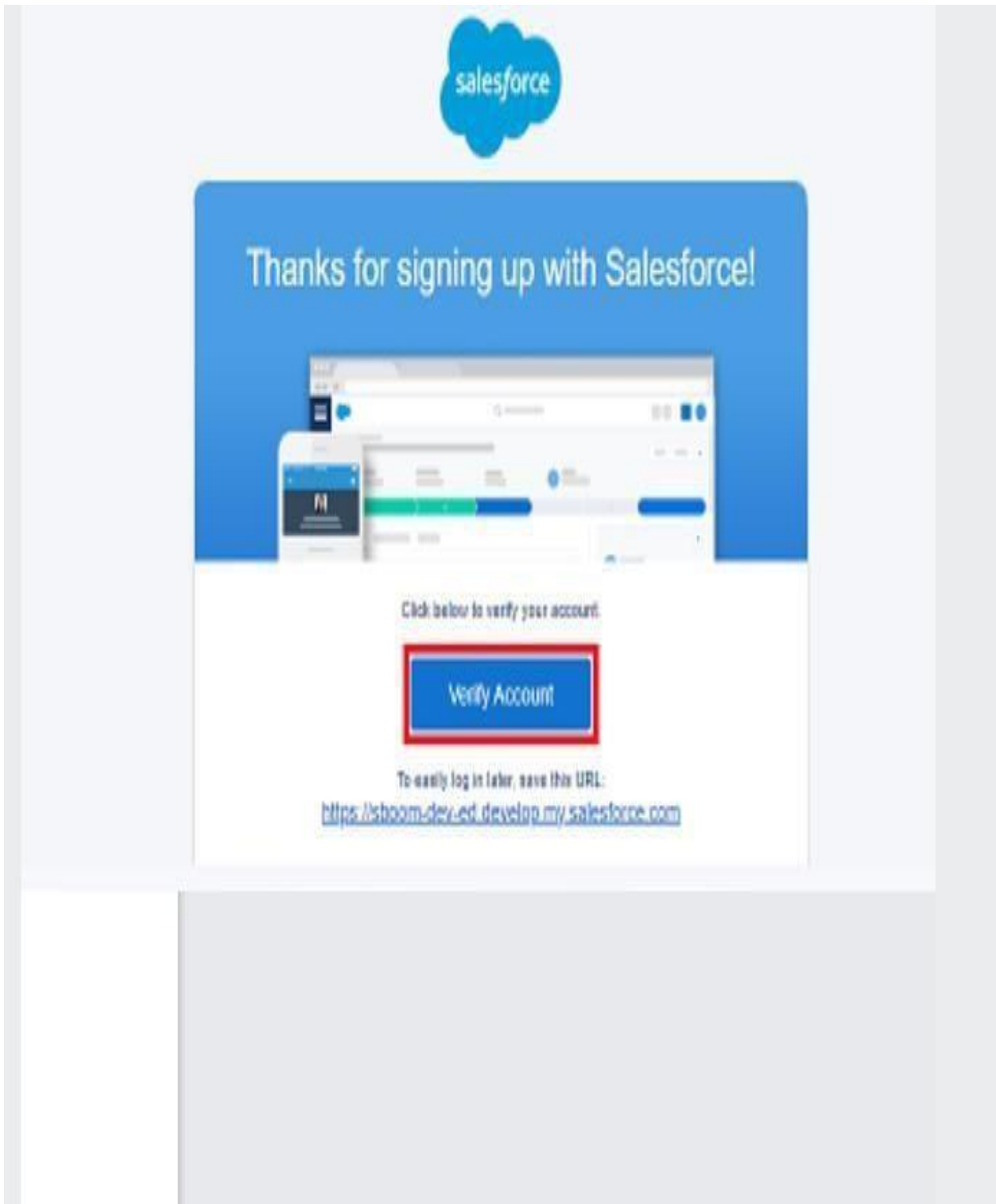
Last Name\*

Email\*

Role\*

Company\*

**Account activation :** Go to the inbox of the email that you used while signing up.click on the verify account to activate your account



you will get the set up page after verify your account in Salesforce sign in

Lightning Experience  
irtsandsciencecol-dev-ed.develop.lightning.force.com

Quick Find

Setup Home

- Service Setup Assistant
- Multi-Factor Authentication Assistant
- Release Updates
- Lightning Experience Transition Assistant
- Salesforce Mobile App
- Lightning Usage
- Optimizer

ADMINISTRATION

- Users
- Data
- Email

PLATFORM TOOLS

- Subscription Management
- Apps
- Feature Settings
- Stack
- Multifactor
- Einstein
- Objects and Fields
- Events
- Process Automation
- User Interface
- Custom Code
- Development
- Performance
- Environments
- User Engagement
- Integrations
- Notification Builder
- Offline

SETTINGS

- Company Settings
- Data Classification
- Privacy Center
- Identity
- Security

SETUP Home

Create

Get Started with Einstein Bots

Launch an AI-powered bot to automate your digital conversations.

Get Started

Mobile Publisher

Use the Mobile Publisher to create your own branded mobile app.

Learn More

Real-time Collaborative Docs

Transform productivity with collaborative docs, spreadsheets, and slides inside Salesforce.

Get Started

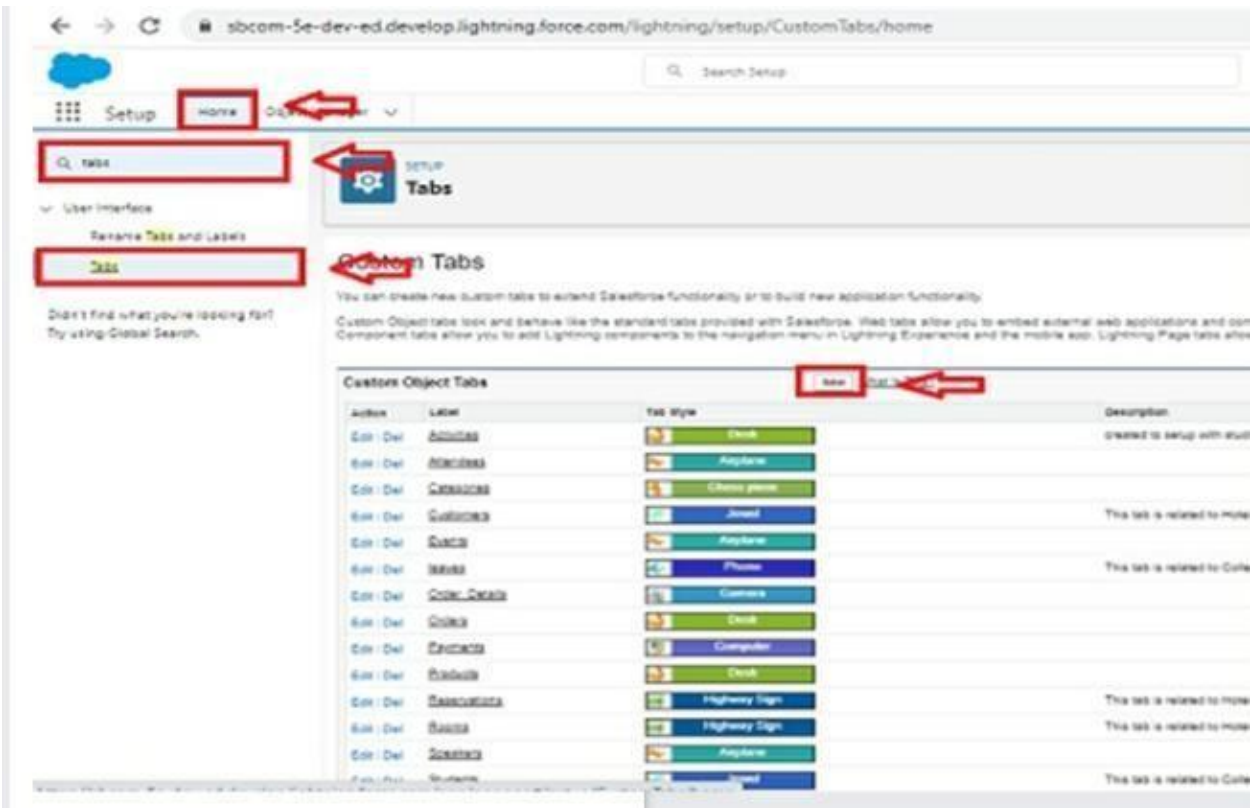
Most Recently Used

10 items

NAME	TYPE	OBJECT
Vehicle No	Custom Field Definition	Vehicle
Vehicle Includes	Custom Field Definition	Vehicle
Vehicle Name	Custom Field Definition	Vehicle
Vehicle Type	Custom Field Definition	Vehicle
Colour	Custom Field Definition	Vehicle
Chassis No	Custom Field Definition	Vehicle
4WHEELERS	Custom Field Definition	Vehicle
2WHEELERS	Custom Field Definition	Vehicle
customer module no	Custom Field Definition	Vehicle
customer name	Custom Field Definition	Vehicle



## Creating A Custom tab

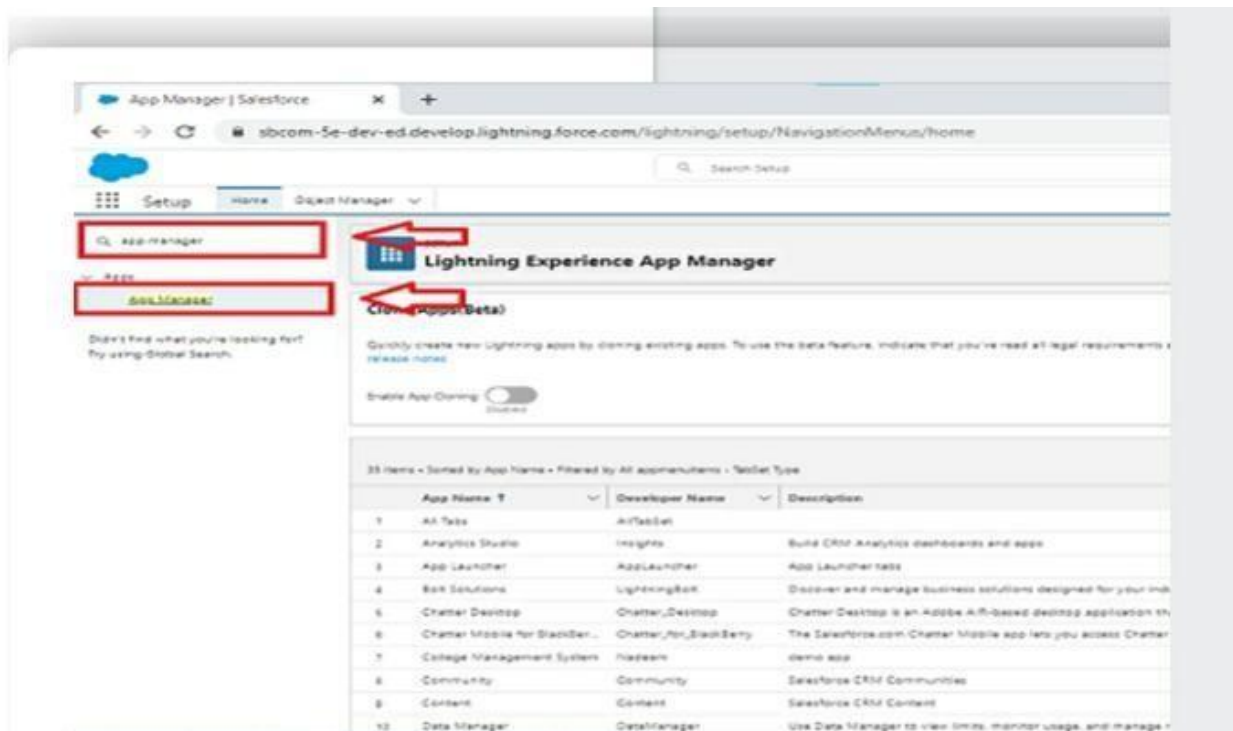


## Creating Remaining Tabs

Now create the Tabs for the remaining Objects, they are “Drop-Off Point, Task, Volunteer.

## Create a Lightning App

To create a lightning app page:



## Creation of Relationship fields in objects

Creation of Lookup Relationship Field on Volunteer Object :

**Step 2. Choose the related object**







Select the other object to which this object is related.

Related To

## Create Flow to create a record in Venue object

**New Flow**

Core All + Templates

 <b>Screen Flow</b> Guides users through a business process that's launched from Lightning pages, Experience Cloud sites, quick actions, and more.	 <b>Record-Triggered Flow</b> Launches when a record is created, updated, or deleted. This autolaunched flow runs in the background.
 <b>Schedule-Triggered Flow</b> Launches at a specified time and frequency for each record in a batch. This autolaunched flow runs in the background.	 <b>Platform Event—Triggered Flow</b> Launches when a platform event message is received. This autolaunched flow runs in the background.
 <b>Autolaunched Flow (No Trigger)</b> Launches when invoked by Apex, processes, REST API, and more. This autolaunched flow runs in the background.	 <b>Record-Triggered Orchestration</b> Launches when a record is created or updated. An orchestration lets you create a multi-step, multi-user process.

**Create a Record of This Object**

\* Object

**Set Field Values for the Venue**

Field <input type="text" value="Contact_Email__c"/>	← Value <input type="text" value="A_a Contact_Email &gt; Value X"/>
Field <input type="text" value="Contact_Phone__c"/>	← Value <input type="text" value="A_a Contact_Phone &gt; Value X"/>
Field <input type="text" value="Name"/>	← Value <input type="text" value="A_a Venue_Name X"/>
Field <input type="text" value="Venue_Location__c"/>	← Value <input type="text" value="A_a location X"/>

## Create A Trigger

The image shows the Salesforce interface for creating a new trigger. At the top, the 'New' menu is open, displaying options: 'Open' (CTRL+O), 'Open Resource' (CTRL+SHIFT+O), 'Open Lightning Resources' (CTRL+SHIFT+A), and 'Create New' (CTRL+N). To the right of the menu, a list of object types is visible: 'Apex Class', 'Apex Trigger' (highlighted), 'Visualforce Page', and 'Visualforce Component'. Below the menu, a 'New Apex Trigger' dialog box is open. It contains two input fields: 'Name:' and 'sObject:'. The 'sObject:' field has a dropdown arrow on its right side. At the bottom right of the dialog is a 'Submit' button.

Menu Item	Shortcut
Open	CTRL+O
Open Resource	CTRL+SHIFT+O
Open Lightning Resources	CTRL+SHIFT+A
Create New	CTRL+N

Object Types:

- Apex Class
- Apex Trigger
- Visualforce Page
- Visualforce Component

**New Apex Trigger**

Name:

sObject:  ▼

Submit

## Creation of user

**General Information**

First Name

Iksha Foundation

Last Name

Iksha\_Foundation

Alias

iiiksh

Email

bhargavipaila1023@gmail.ci

Username

ikshafoundation@sb.com

Nickname

User1711437164226559933

Title

Company

Department

Division

Role

<None Specified>

User License

Salesforce Platform

Profile

NGOs Profile

Active

☒

Marketing User

☐

Offline User

☐

Knowledge User

☐

Flow User

☐

Service Cloud User

☐

Site.com Contributor User

☐

## Creation of home page

Dashboard

**Task Execution Details**

As of 29-Mar-2024, 9:55 am Viewing as Paila Bhargavi

Open

Refresh

Subscribe

**venue and Drop Off point**

Venue Name	Drop-Off poi...	Dis...
La Royale Banquet Hall	Shapur	5,116
La Royale Banquet Hall	Jeedimetla	6,903
Paradise Garden Function Hall	Suraram Village	28,23
Ujwala Grand	-	-

View Report (venue and Drop Off point)

**Volunteer Task**

Report Count

1

0.5

0

4

2

Volunteer ID

View Report (Volunteer Task)



Flow Component: Venue Form

This is a placeholder. Flows don't run in the canvas.

Add Component(s) Here

Add Component(s) Here

## **Conclusion**

By leveraging the Salesforce platform, the project successfully established a streamlined and transparent system for managing surplus food donations. Through efficient coordination with volunteers and timely delivery to beneficiaries, the project effectively addressed food insecurity while maximizing the utilization of available resources.