

BHARATHIYAR UNIVERSITY, COIMBATORE
ADITHYA COLLEGE OF ARTS AND SCIENCE

B Sc INFORMATION TECHNOLOGY

Project Title : To Supply Leftover Food To Poor

Role : SALESFORCE DEVELOPER

Team LEADER : HARSHITHA I

TEAM MEMBERS :

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KARTHIK R

ISHWARYA M

Academic Year : 2025 -2026

To Supply Leftover Food To Poor

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ABSTRACT

Food wastage and hunger are two pressing challenges in modern society. Every day, large amounts of edible food from households, restaurants, events, and institutions are discarded, while millions of people struggle without sufficient meals. This project focuses on the collection and redistribution of safe, leftover food to the poor and needy.

The initiative aims to reduce food wastage, address hunger, and promote social responsibility by creating a structured system for food collection, storage, and distribution. Through the support of volunteers, NGOs, community organizations, and food providers, the program ensures that surplus food reaches the right beneficiaries in a timely and hygienic manner. In addition to addressing immediate hunger needs, the project encourages sustainable practices and raises awareness about food security. Ultimately, this effort seeks to build a compassionate and waste-free society where resources are utilized effectively for the well-being of all.

1.INTRODUCTION

1.1 Project Overview

Food wastage is a critical issue while many people struggle with hunger and malnutrition. Supplying leftover food to the poor is a sustainable initiative aimed at reducing waste, supporting the underprivileged, and building a more compassionate community.

1.2 Purpose

The purpose of this project is to minimize food wastage and combat hunger by creating a systematic approach to collect leftover, safe-to-eat food from restaurants, hotels, events, and households, and redistribute it among the poor and needy.


- ☐ Ensure that surplus food is utilized effectively.
- ☐ Provide nutritious meals to underprivileged communities.
- ☐ Promote social responsibility and awareness about food security.
- ☐ Build a sustainable model that encourages community participation in eradicating hunger.

DEVELOPMENT PHASE

Creating Developer Account:

By using this URL - <https://developer.salesforce.com>


- Created objects: Customer, Item , Customer Order.



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Steps

1 Select Type

Agentforce

Customer Support



Sign up for your Developer Edition

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First name

Last name

HARSHITHA

I

Job title

Work email

DEVELOPER

hh7104761@gmail.c

Company

Country/Region

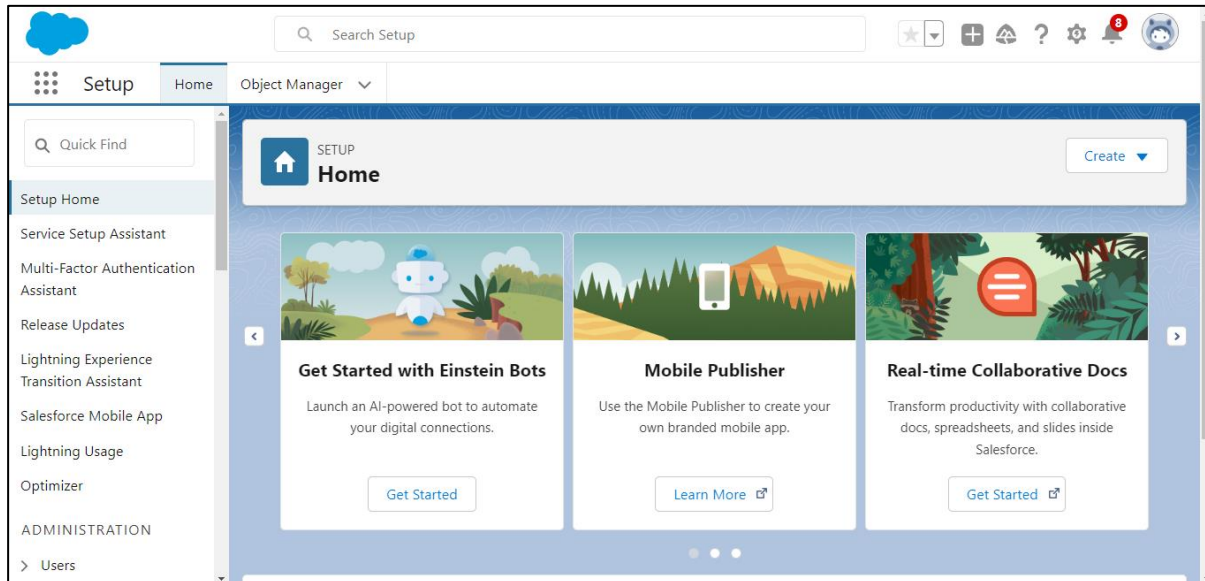
Adithya college of art

India

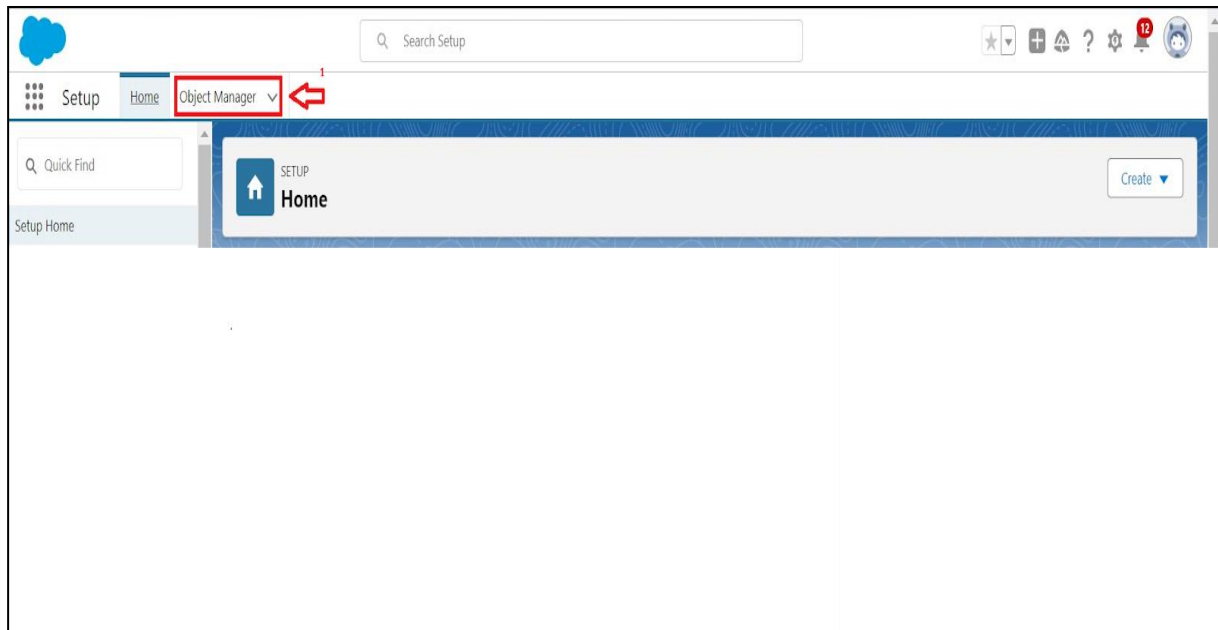
Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

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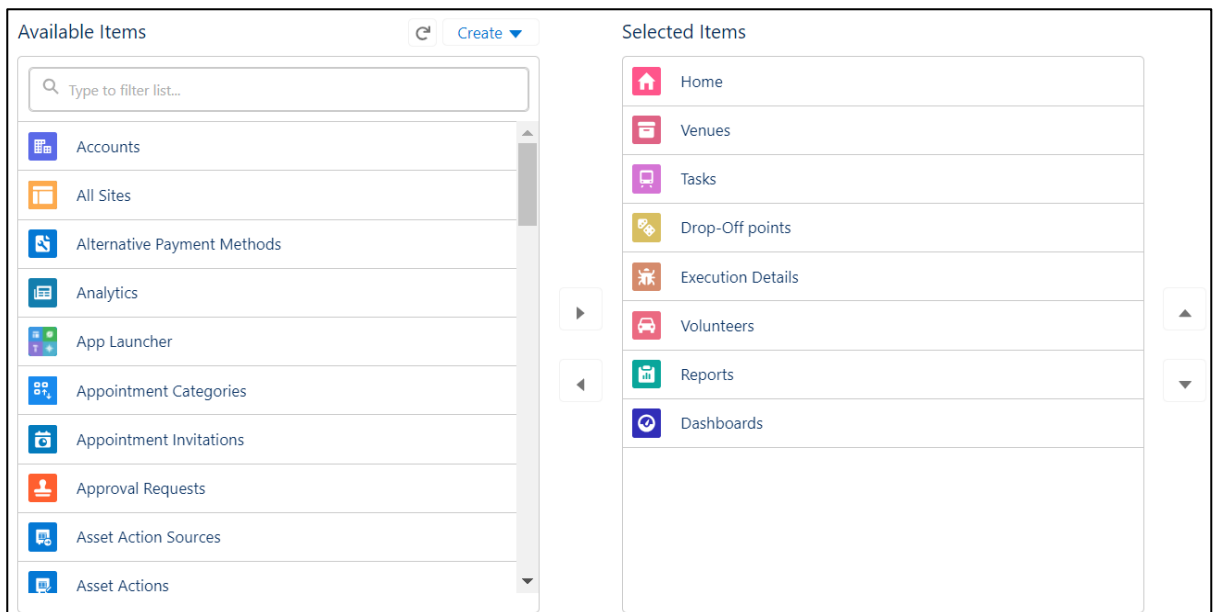
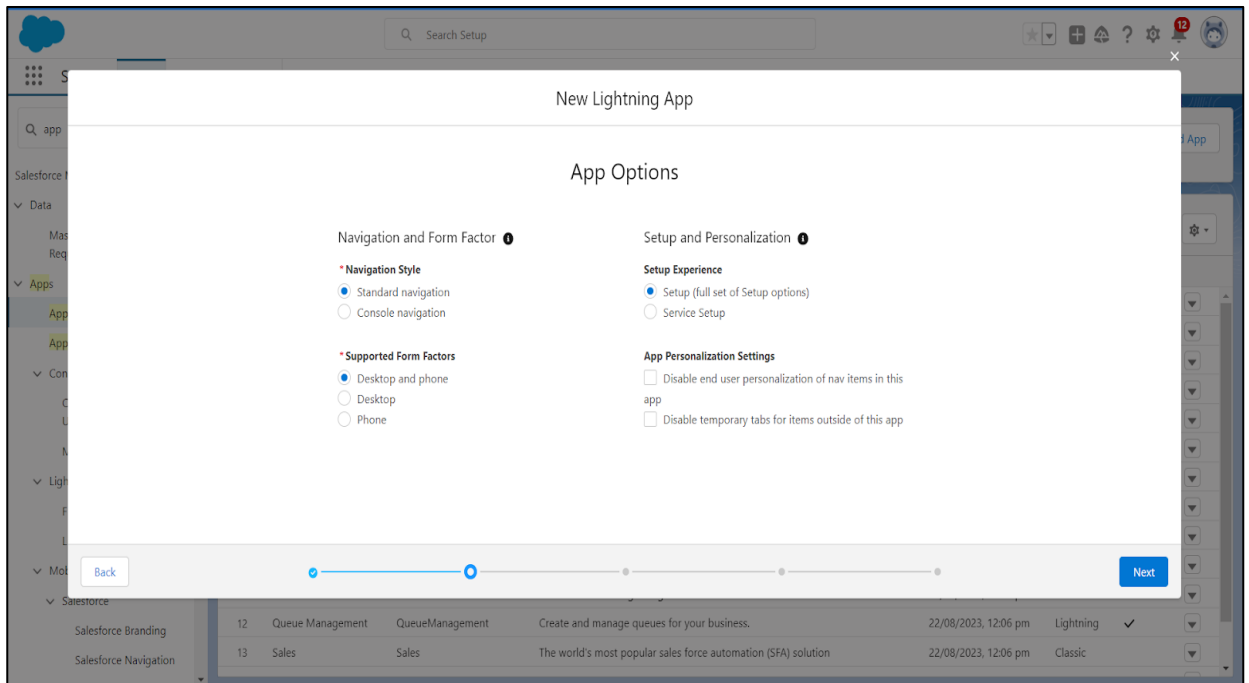
We value your privacy. To learn more, visit our [Privacy Statement](#).

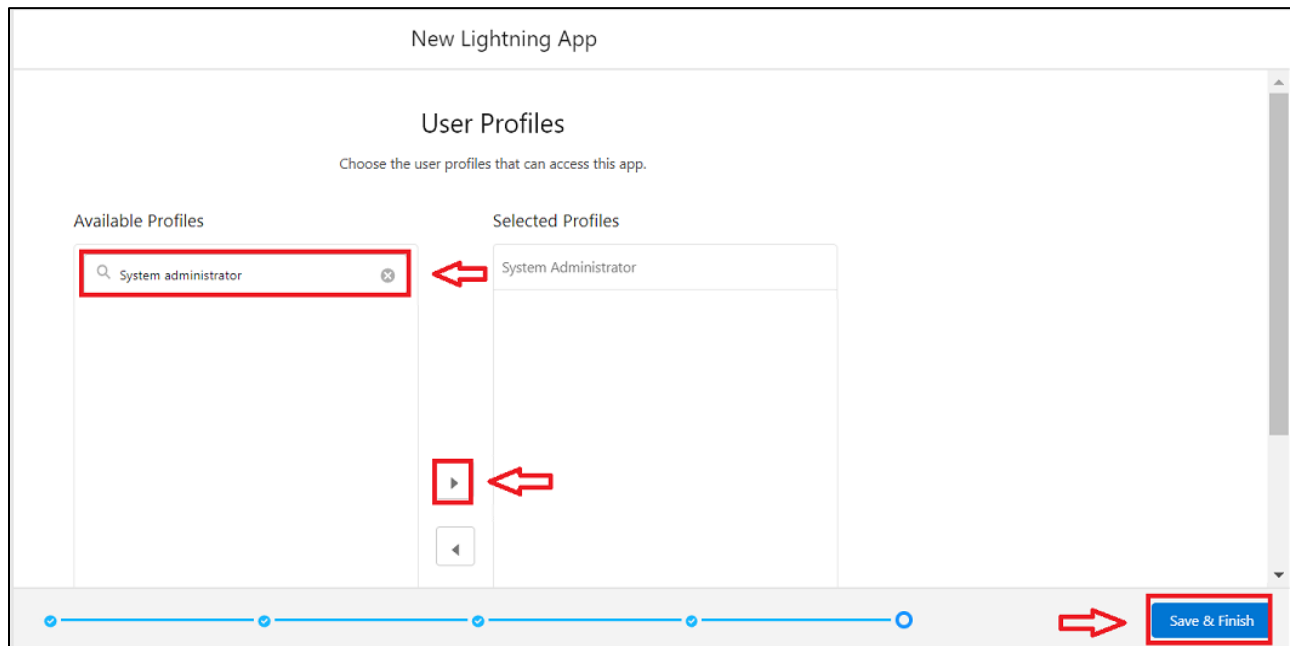


Object

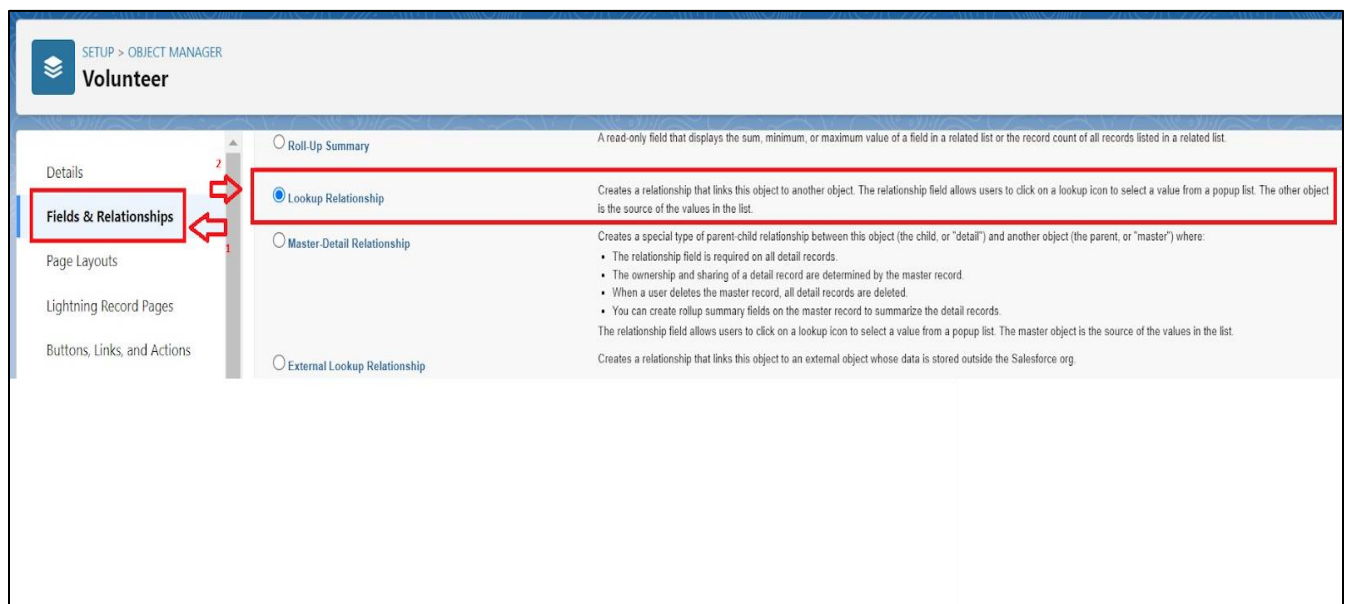


- **Creating a Custom Tab:**





Creating Lookup Relationship:



Step 2. Choose the related object

Step 2

PreviousNextCancel

Select the other object to which this object is related.

Related To

Drop-Off point

PreviousNextCancel

Formula Options

Formula Return Type

Number

Decimal Places

4

Enter your formula and click Check Syntax to check for errors. Click the Advanced Formula subtab to use additional fields, operators, and functions.
Example: Fahrenheit = 1.8 * Celsius_c + 32 [More Examples...](#)

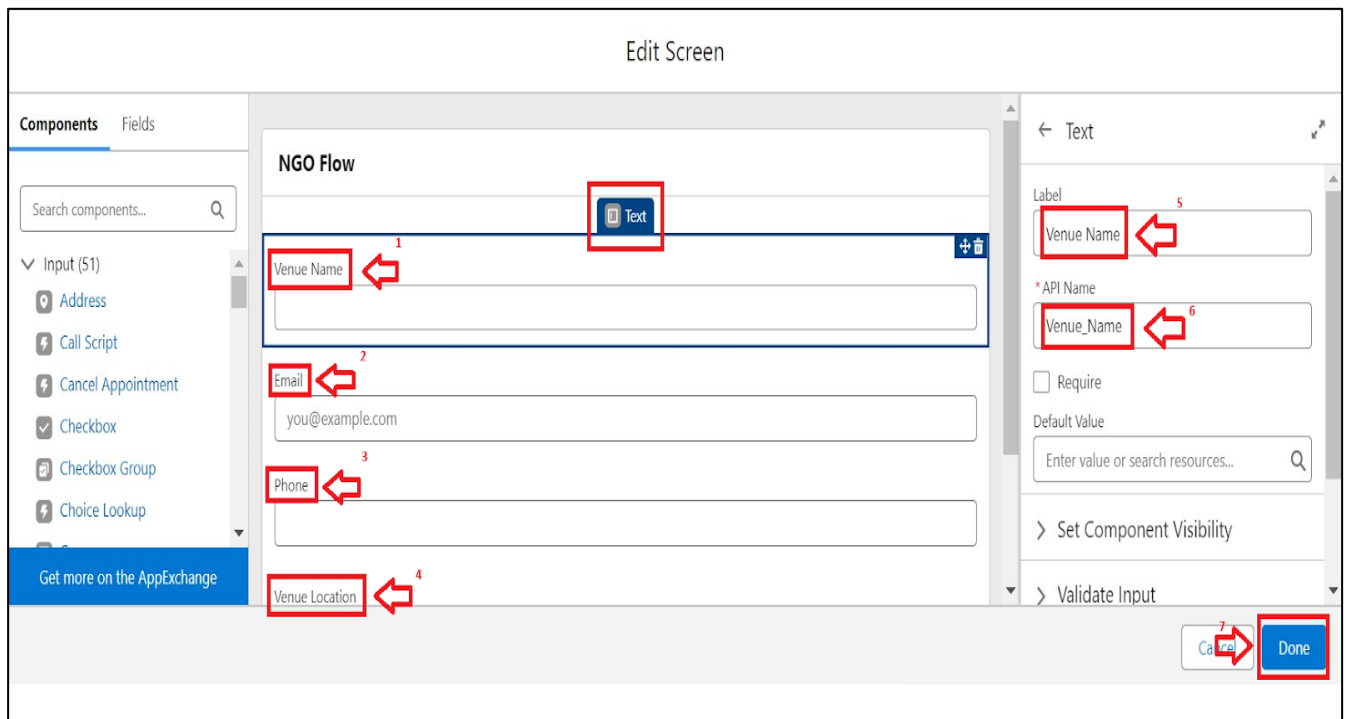
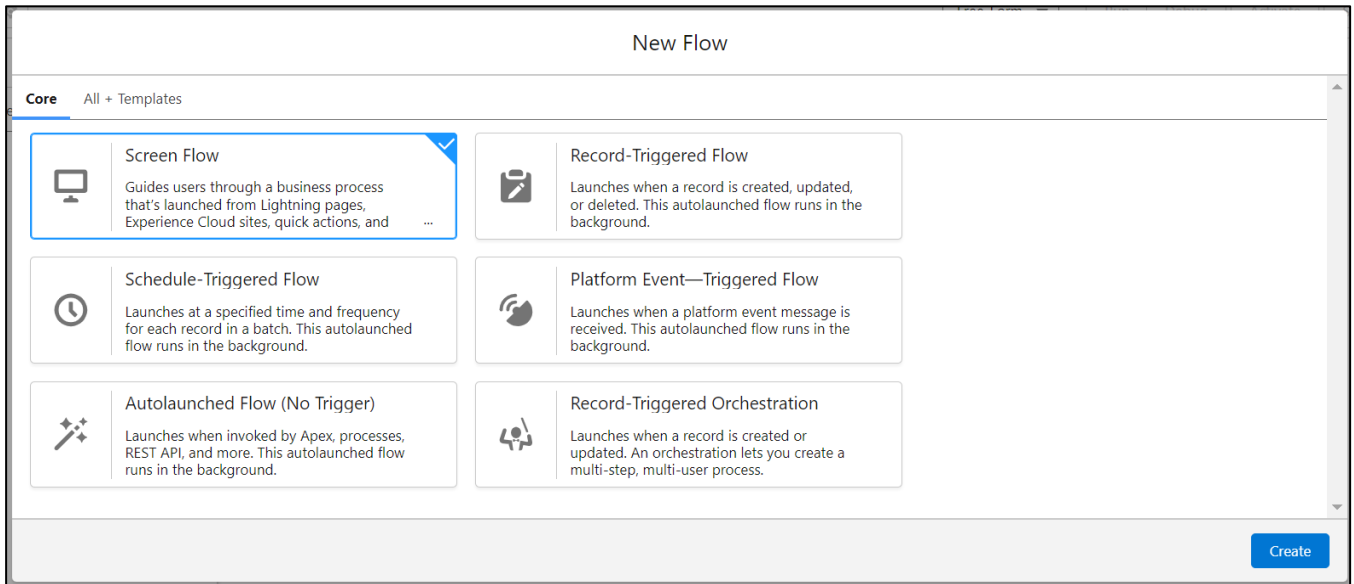
Simple FormulaAdvanced Formula

Insert Field

Insert Operator

distance calucation (Number) =
DISTANCE(Location_2__c , Venue__r.Location__c , 'km')

To create a Flow:



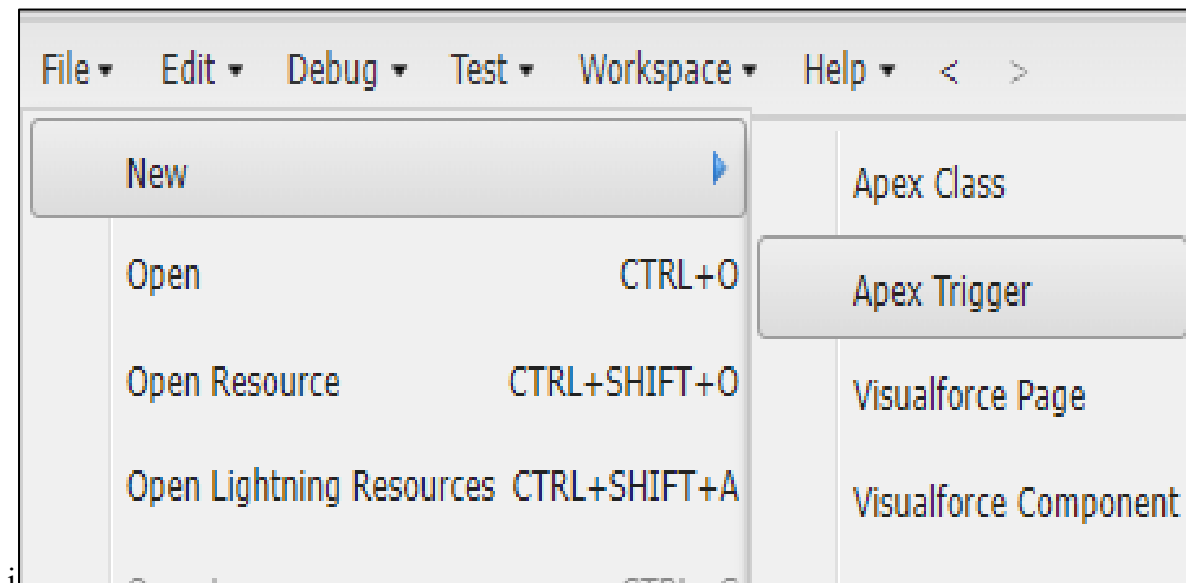
Create a Record of This Object

* Object
Venue

Set Field Values for the Venue


Field Contact_Email__c	←	Value Aa Contact_Email > Value X	
Field Contact_Phone__c	←	Value Aa Contact_Phone > Value X	
Field Name	←	Value Aa Venue_Name X	
Field Venue_Location__c	←	Value Aa location X	

To create a Trigger:



New Apex Trigger

Name:

sObject: 

Submit

creation of users:

User1:

General Information

First Name	<input type="text" value="Iksha Foundation"/>	Role	<input type="text" value="<None Specified>"/>
Last Name	<input type="text" value="Iksha_Foundation"/>	User License	<input type="text" value="Salesforce Platform"/>
Alias	<input type="text" value="iiksh"/>	Profile	<input type="text" value="NGOs Profile"/>
Email	<input type="text" value="bhargavipaila1023@gmail.co"/>	Active	<input checked="" type="checkbox"/>
Username	<input type="text" value="ikshafoundation@sb.com"/>	Marketing User	<input type="checkbox"/>
Nickname	<input type="text" value="User1711437164226559933"/>	Offline User	<input type="checkbox"/>
Title	<input type="text"/>	Knowledge User	<input type="checkbox"/>
Company	<input type="text"/>	Flow User	<input type="checkbox"/>
Department	<input type="text"/>	Service Cloud User	<input type="checkbox"/>
Division	<input type="text"/>	Site.com Contributor User	<input type="checkbox"/>

<input type="checkbox"/>	Edit Login	Iksha_Foundation, Iksha Foundation	iksh	ikshafoundation@sb.com	<input checked="" type="checkbox"/>	NGOs Profile
<input type="checkbox"/>	Edit Login	NSS, NSS	nnss	nss@sb.com	<input checked="" type="checkbox"/>	NGOs Profile
<input type="checkbox"/>	Edit Login	Street_Cause, Street Cause	sstre	streetcause@sb.com	<input checked="" type="checkbox"/>	NGOs Profile

To Create a Public Group :

<div>New</div>				
Action	Label ↑	Group Name	Created By	Created Date
Edit Del	Iksha	Iksha	Bhargavi, Paila	26/03/2024, 2:27 pm
Edit Del	NSS	NSS	Bhargavi, Paila	26/03/2024, 2:27 pm
Edit Del	Street Cause	Street_Cause	Bhargavi, Paila	26/03/2024, 2:26 pm

Create Report Types:

Outline

Filters 2

Groups

GROUP ROWS

Add group...

Volunteer Name

GROUP COLUMNS

Add group...

Columns

Add column...

Venue Name

Drop-Off point Name

Distance

Previewing a limited number of records. Run the report to see everything.

Volunteer Name	Venue Name	Drop-Off point Name	Distance
- (4)	La Royale Banquet Hall.	Shapur	5,1161
	La Royale Banquet Hall.	Jeedimetla	6,902.9995
	Paradise Garden Function Hall	Suraram Village	28,2332
	Ujwala Grand	-	-
Subtotal			6,936.3488
Total (4)			6,936.3488

REPORT

Volunteer Task

Volunteers with Execution Details and Tasks

Add Chart

Save & Run

Save

Close

Run

Update Preview Automatically

Outline

Filters

GROUP ROWS

Add group...

Volunteer ID

GROUP COLUMNS

Add group...

Columns

Add column...

Volunteer: Volunteer Name

Task: Task Name

Execution Detail: Execution Detail Name

Volunteer: Owner Name

Task: Date

Task: Rating

Previewing a limited number of records. Run the report to see everything.

Volunteer ID	Volunteer: Volunteer Name	Task: Task Name	Execution Detail: Execution Detail Name	Volunteer: Owner Name	Task: Date	Task: Rating
2 (1)	Charan	Task 2	Execution 2	Iksha Foundation Iksha_Foundation	28/03/2024	5
Subtotal						
4 (1)	Bhavika	Task 1	Execution 1	Iksha Foundation Iksha_Foundation	28/03/2024	4
Subtotal						
Total (2)						

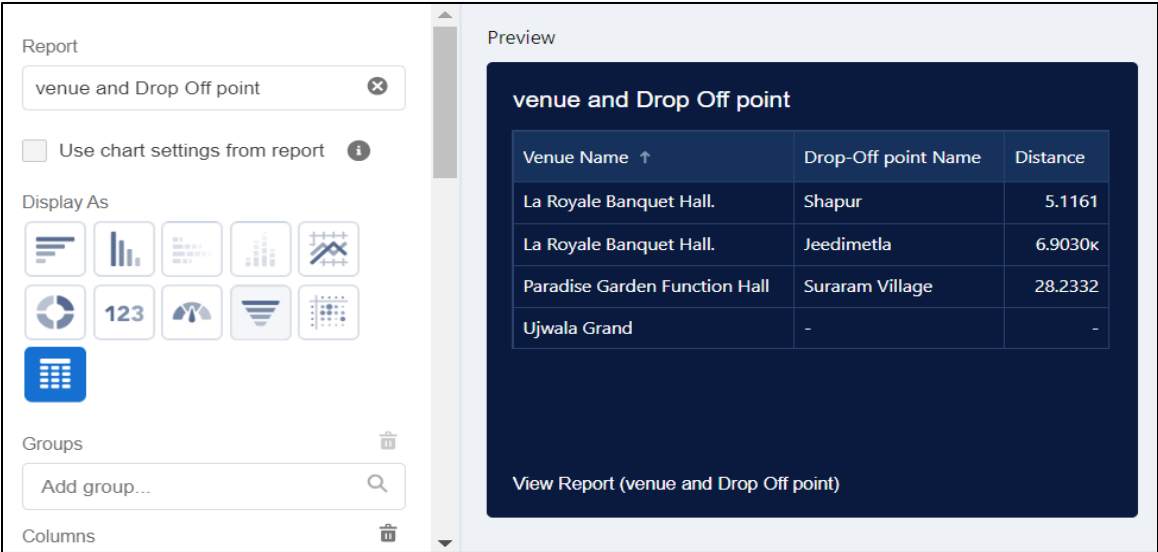
Row Counts

Detail Rows

Subtotals

Grand Total

To create a Dashboards:





Sharing Rules:

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 OR EQUAL 15	Group: Iksha	Read/Write
Edit Del	(Drop-Off point: Distance GREATER THAN 15) AND (Drop-Off point: Distance LESS OR EQUAL 30)	Group: NSS	Read/Write
Edit Del	(Drop-Off point: Distance GREATER THAN 30) AND (Drop-Off point: Distance LESS OR EQUAL 50)	Group: Street Cause	Read/Write

To create a 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

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

FoodConnect

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

Search...

Star

Plus

Share

Help

Settings

Notifications

Profile

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

View Report (Volunteer Task)

Venue Form

Venue Name

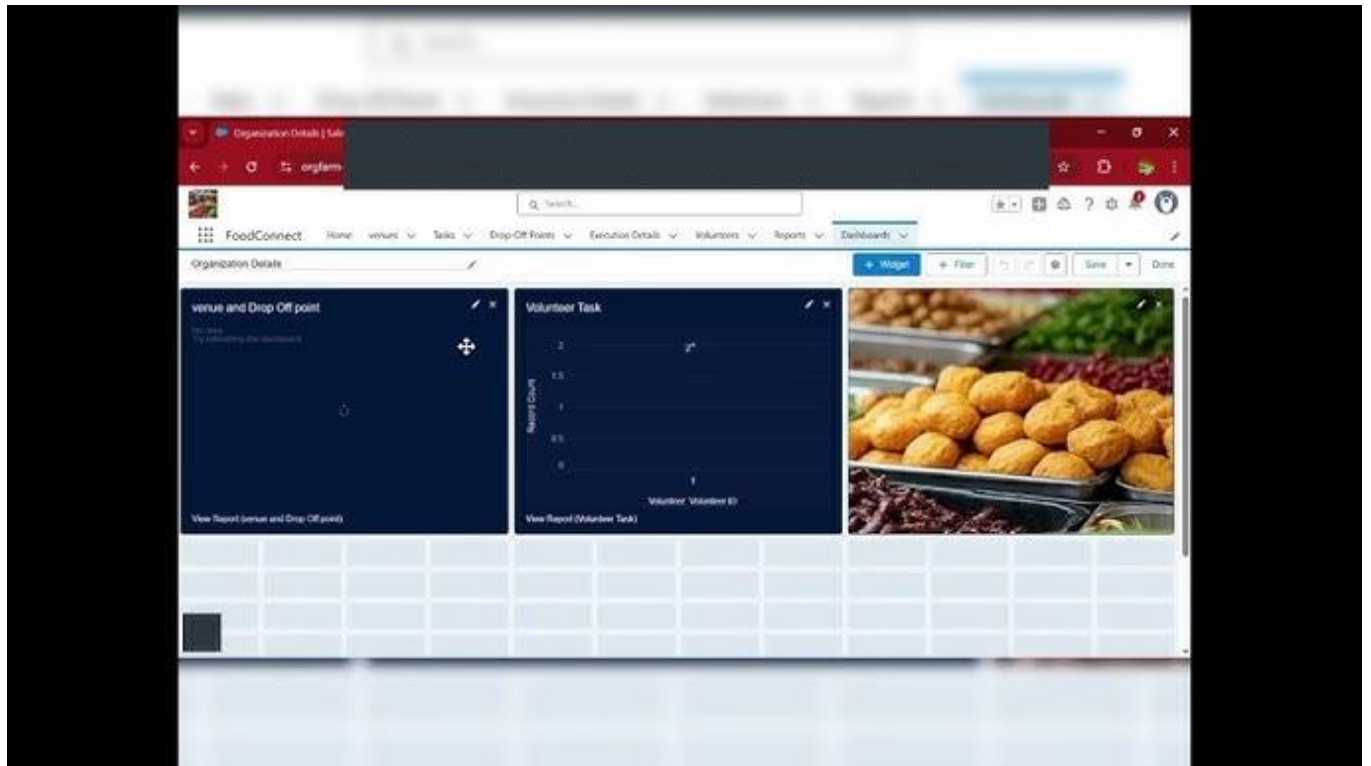
Email

Phone

Venue Location

Next

RESULT:



CONCLUSION

This project not only addresses hunger and malnutrition but also contributes to sustainable development by reducing food wastage. With collective efforts, we can ensure that “No food goes to waste, and no person goes hungry.”

APPENDIX

- **Source Code:** Provided in Apex Classes and Triggers

CODE:

```
# Import necessary libraries

from flask import Flask,
render_template, request, redirect,
url_for

from flask_sqlalchemy import
SQLAlchemy

app = Flask(_name_)

app.config["SQLALCHEMY_DATABASE_URI"] = "sqlite:///food.db"

db = SQLAlchemy(app)

# Define models

class User(db.Model):

    id = db.Column(db.Integer,
primary_key=True)

    name = db.Column(db.String(100),
nullable=False)
```

```
    email = db.Column(db.String(100),  
nullable=False, unique=True)
```

```
class Food(db.Model):
```

```
    id = db.Column(db.Integer,  
primary_key=True)  
  
    name = db.Column(db.String(100),  
nullable=False)
```

```
    quantity = db.Column(db.Integer,  
nullable=False)
```

```
    donor_id = db.Column(db.Integer,  
db.ForeignKey("user.id"))
```

```
# Define routes
```

```
@app.route("/")
```

```
def index():  
  
    return render_template("index.html")
```

```
@app.route("/register",  
methods=["GET", "POST"])
```

```
def register():  
  
    if request.method == "POST":
```

```

        user =
User(name=request.form["name"],
email=request.form["email"])

        db.session.add(user)

        db.session.commit()

        return redirect(url_for("login"))

    return
render_template("register.html")

@app.route("/login", methods=["GET",
"POST"])
def login():
    if request.method == "POST":
        user =
User.query.filter_by(email=request.form[
"email"]).first()

        if user:
            # Login logic

            pass

        return render_template("login.html")

@app.route("/food/list")
def food_list():
    foods = Food.query.all()

```

```
        return

    render_template("food_list.html",
foods=foods)


@app.route("/food/request/<int:food_id>
")

def food_request(food_id):

    food = Food.query.get(food_id)

    # Request logic

    pass


if __name__ == "__main__":

    app.run(debug=True)
```