

FoodConnect- To supply left over food to poor



Project Overview

Food Connect is a platform built on Salesforce that streamlines the process of gathering surplus food from donors—such as restaurants, events, and households—and delivering it to underserved communities. By utilizing Salesforce’s robust CRM features, the system effectively manages donor information, monitors food availability, and coordinates delivery logistics. It also automates key processes to ensure prompt communication and smooth supply chain operations.

The platform promotes sustainability by reducing food waste and supports social welfare by ensuring that excess food reaches those who need it most. Its scalable design allows for easy expansion to serve broader geographic areas and a growing network of donors and recipients.

Table of Contents

1. Introduction
2. Project Objectives
3. Key Features
4. Salesforce Developer Setup
5. System Architecture
6. Screenshots of Output
7. Conclusion

1. Introduction

Food Connect is built to address food waste while helping people in need. The project uses Salesforce as a backbone for its donor management, food inventory tracking, and delivery coordination. By incorporating the full power of Salesforce's CRM, automation, and analytics capabilities, this platform enables seamless collaboration between food donors, volunteers, and distribution networks.

2. Project Objectives

- **Distribute leftover food** efficiently to charities and shelters.
- **Automate workflows** for notifications, pickups, and deliveries.
- **Track inventory and supply chain** in real-time.
- **Improve community outreach** and reporting.

3. Key Features

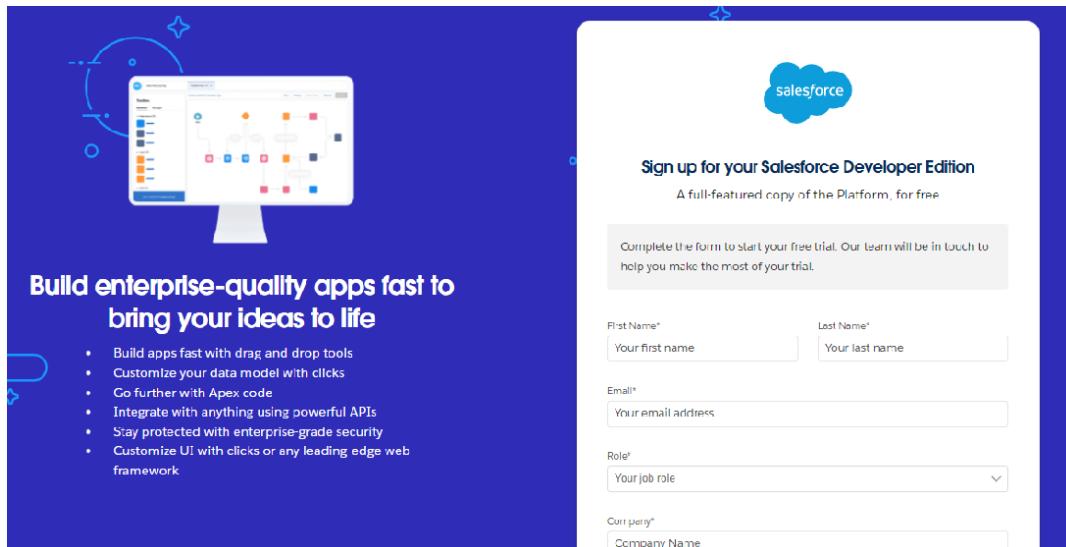
- **Food Pickup and Distribution Tracking:** Automate requests for food pickup and ensure delivery to shelters.
- **Inventory Management:** Monitor food availability in real-time, ensuring efficient allocation based on demand.
- **Reporting and Analytics:** Create reports and dashboards on food distribution, donor contributions, and recipients.
- **Mobile Access:** Allow volunteers and coordinators to access the platform on mobile devices using Salesforce Mobile.

4. Salesforce Developer Setup and Workflow

a. Creating Developer Account

Creating a developer org in salesforce.

1. Go to <https://developer.salesforce.com/signup>
2. On the sign-up form, enter the following details:

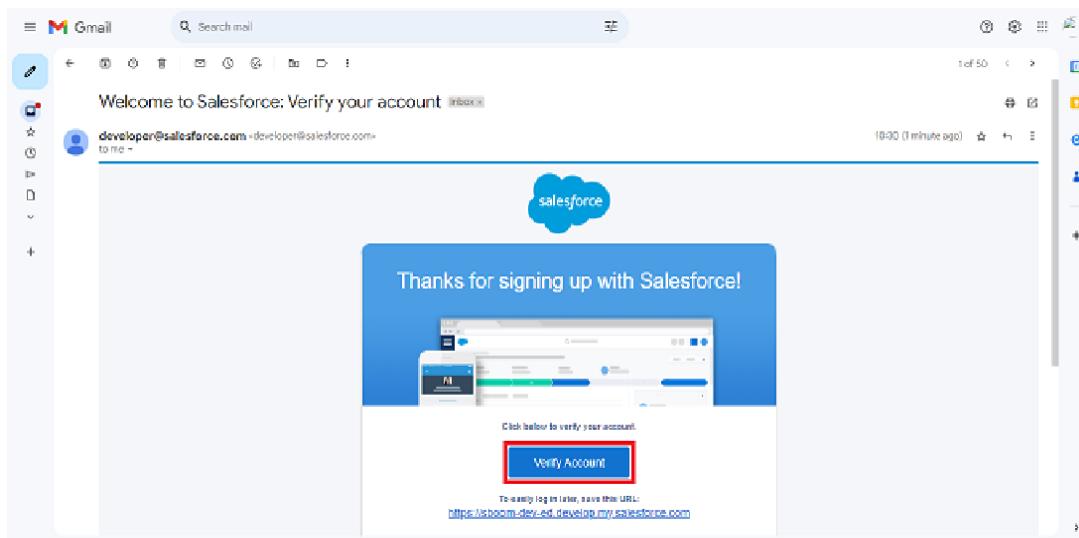


1. First name & Last name
2. Email
3. Role: Developer
4. Company: College or Company Name
5. County: India
6. Postal Code: pin code
7. Username: should be a combination of your name and company

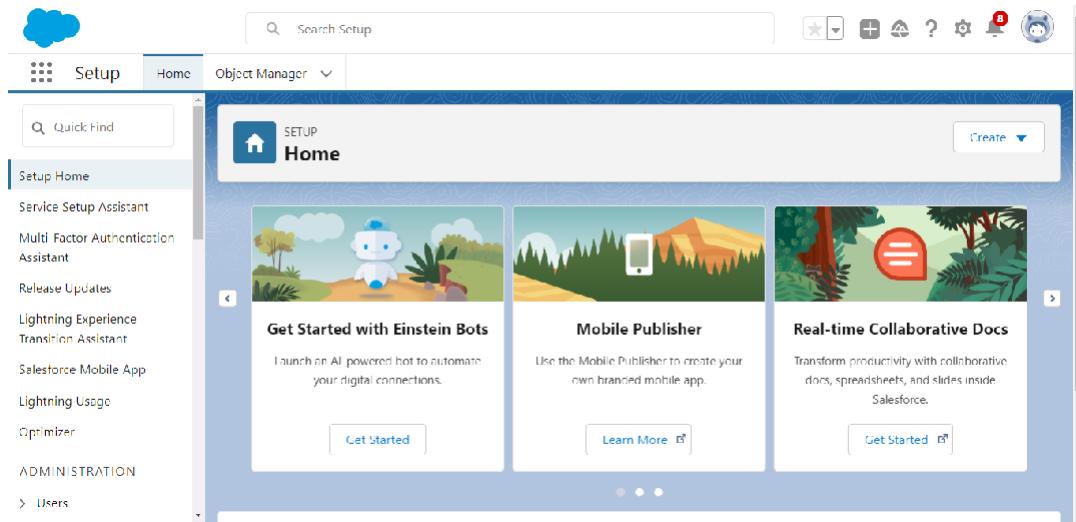
5. System Architecture

b. Account Activation

1. Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins.

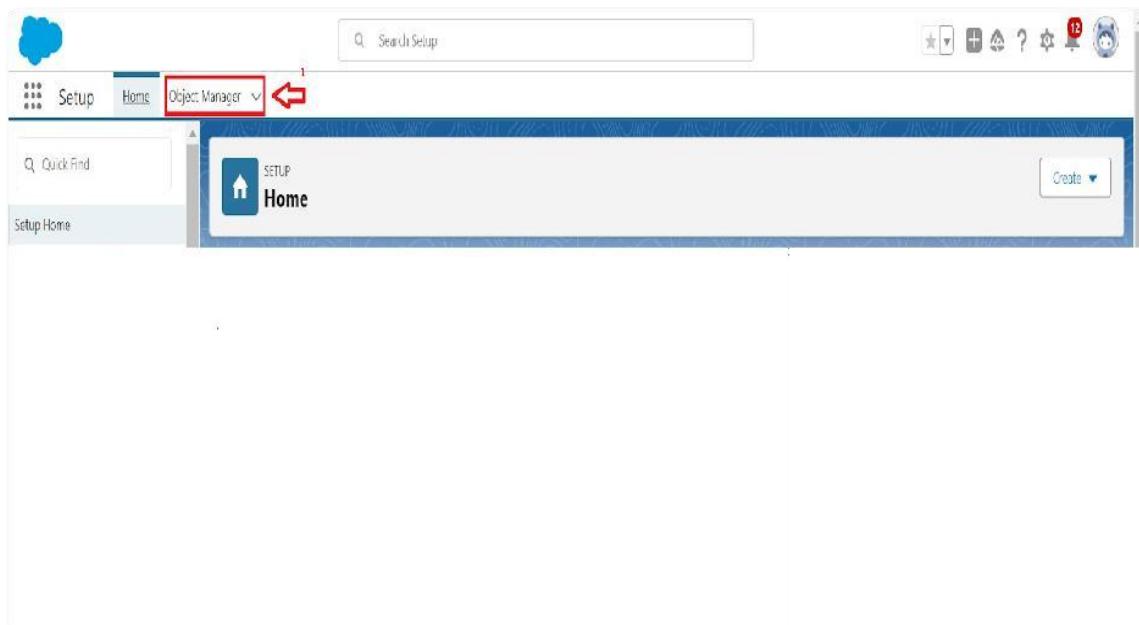
A screenshot of the Salesforce "Change Your Password" page. It asks for a new password that includes at least 8 characters, 1 letter, and 1 number. The "New Password" field contains "....." and is labeled "Good". The "Confirm New Password" field also contains "....." and is labeled "Match". Below these are "Security Question" and "Answer" fields. The "Answer" field contains "asdfghjkl" and has a red error message above it. A large red box highlights the entire "New Password", "Confirm New Password", "Security Question", and "Answer" section. A blue "Change Password" button is at the bottom.

1. Click Verify Account
2. Give a password and answer a security question and click on change password.
3. Give a password and answer a security question and click on change password.
4. Then you will redirect to your salesforce setup page.



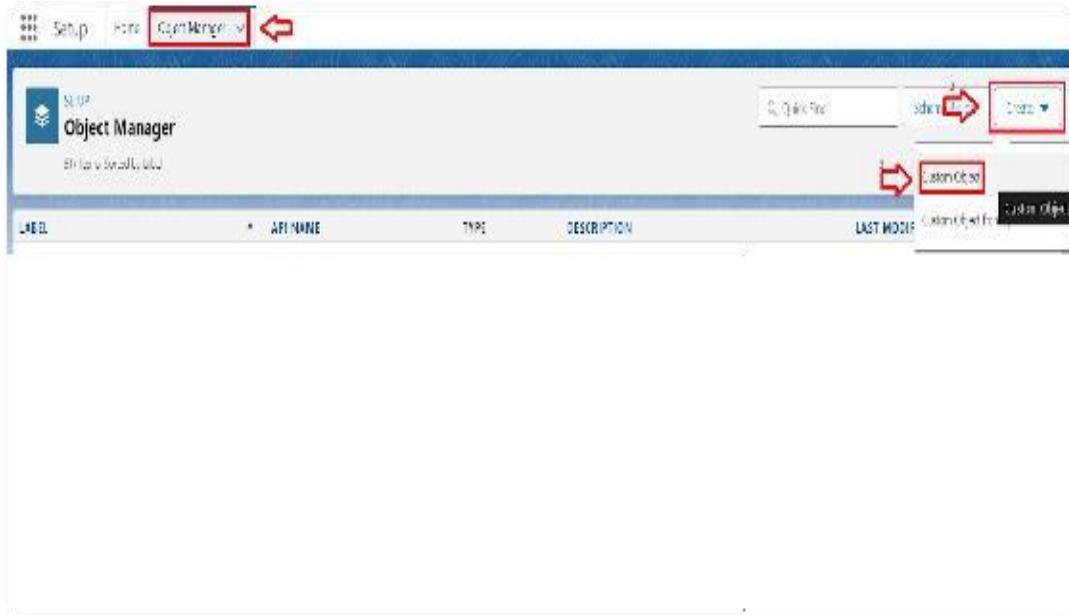
b. Creating Objects

To Navigate to Setup page:



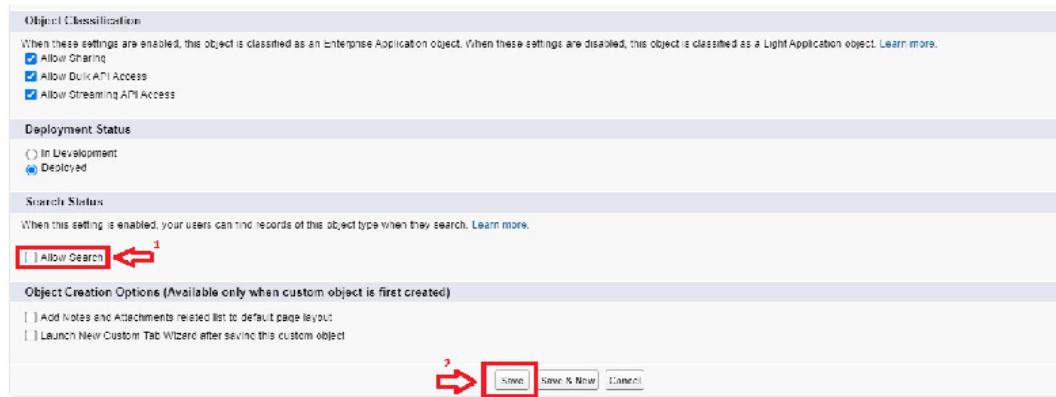
To create an object:

1. From the setup page > Click on Object Manager > Click on Create > Click on Custom Object.



1. On Custom object defining page:
2. Enter the label name, plural label name, click on Allow reports, Allow search.

This screenshot shows the "Custom Object Definition Edit" page for creating a new custom object named "Account".
1. In the "Custom Object Information" section, the "Label" field is set to "Account" and the "Plural Label" field is set to "Accounts". Both fields are highlighted with a red box.
2. In the "Object Name" field, the value "Account" is entered, also highlighted with a red box.
3. In the "Recent Name" field, the value "Account Name" is entered.
4. Under "Optional Features", the checkbox "Allow Reports" is checked, highlighted with a red box.
The page includes sections for "Custom Object Information", "Record Name Label and Format", and "Optional Features".



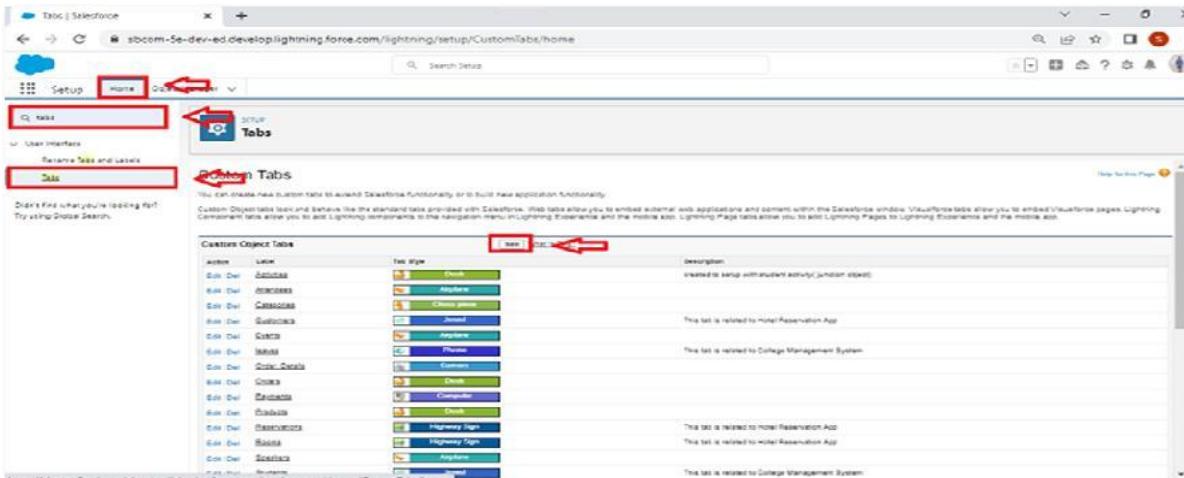
3. Click on Save.

here we create 4 objects in the projects that venue object, drop-off point object, task object, volunteer object, execution details object. As the same way as above mention in the screenshots you have to follow the same process for every object that you made.

e. Creating a Custom Tab

To create a Tab:(Venue)

1. Go to setup page >> type Tabs in Quick Find bar >> click on tabs >> New (under custom object tab)

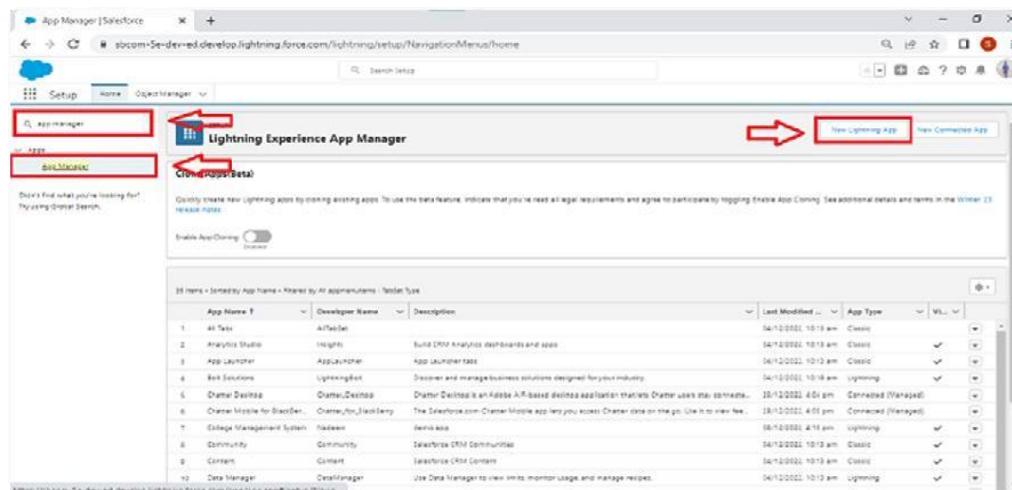


1. Select Object (Venue) >> Select the tab style >> Next (Add to profiles page) keep it as default >> Next (Add to Custom App) uncheck the include tab.
2. Make sure that the Append tab to users' existing personal customizations is checked.
3. Click save

f. Create a Lightning App

To create a lightning app page:

1. Go to setup page >> search “app manager” in quick find >> select “app manager” >> click on new lightning App.



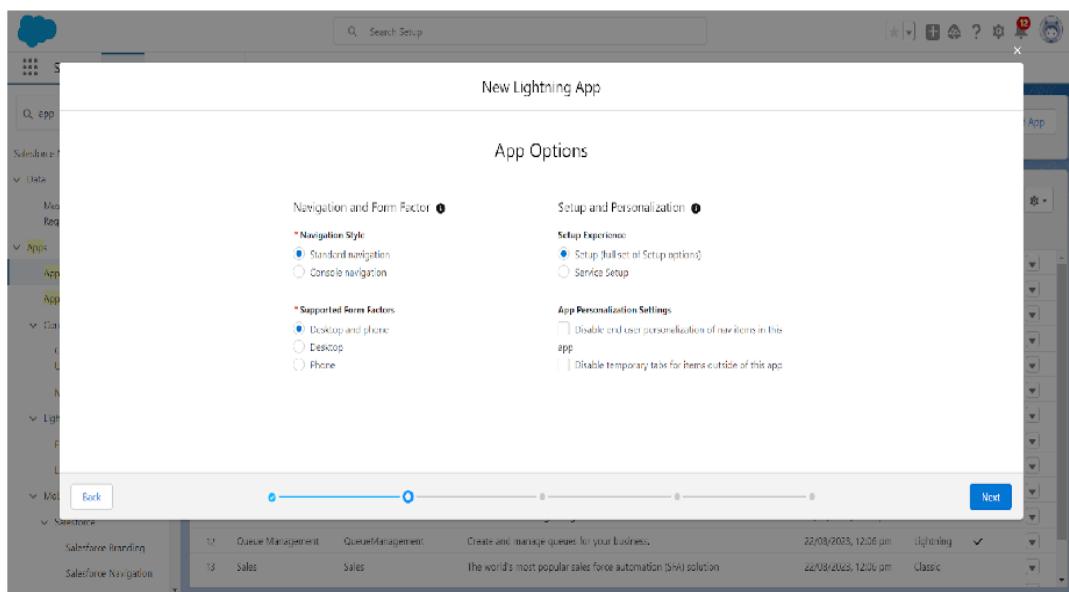
2. Fill the app name in app details and branding as follow

Name: FoodConnect

Developer Name: This will auto be populated

Image: optional (if you want to give any image you can otherwise not mandatory) Primary color hex value: keep this default.

3. Then click Next >> (App option page) Set Navigation Style as Standard Navigation >> Next



3. (Utility Items) keep it as default >> Next.

4. To Add Navigation Items:

Search for the item in the (Home, Venue, Drop-Off Point, Task, Volunteer, Execution Details, Reports) from the search bar and move it using the arrow button >> Next
 >> Next.

5. To Add User Profiles:

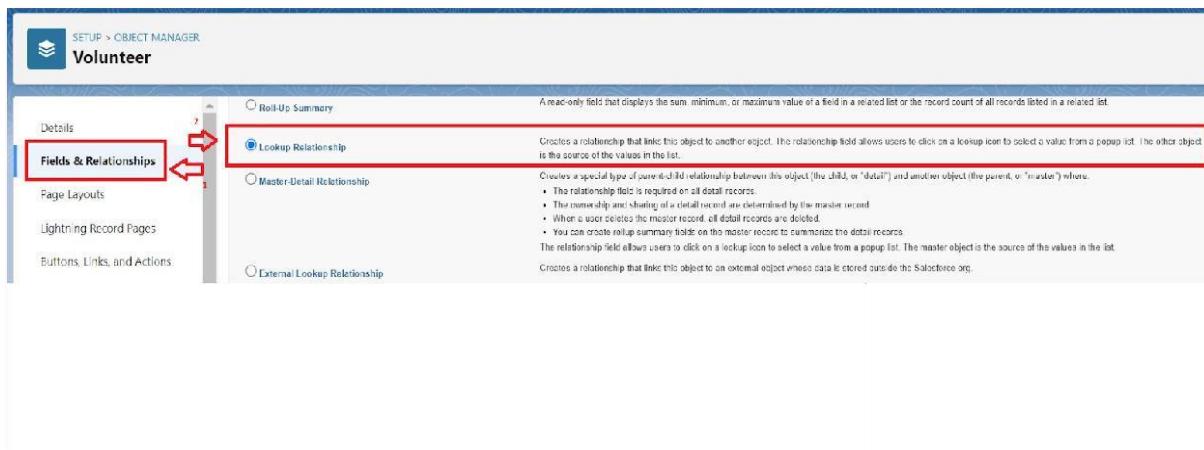
Search profiles (Systemadministrator) in the search bar >> click on the arrow button >> save & finish.

Here I am adding my output of creating lightning app:

g. Creation of Relationship fields in objects

Creation of Lookup Relationship Field on Volunteer Object:

1. Go to setup >> click on Object Manager >> type object name (Volunteer) in the search bar >> click on the object.



2. Now click on “Fields & Relationships”>> New
3. Select Master Detail relationship
4. Select the related object “Drop-Off point” and click next.



5. Field Name: Drop-Off point
6. Field label: Auto generated
7. Next >> Next >> Save.

just like that I crated all the relationship as the same way it little bit different in the Moden relationship and the lookup relationship fields.

Creation of fields for the Venue object

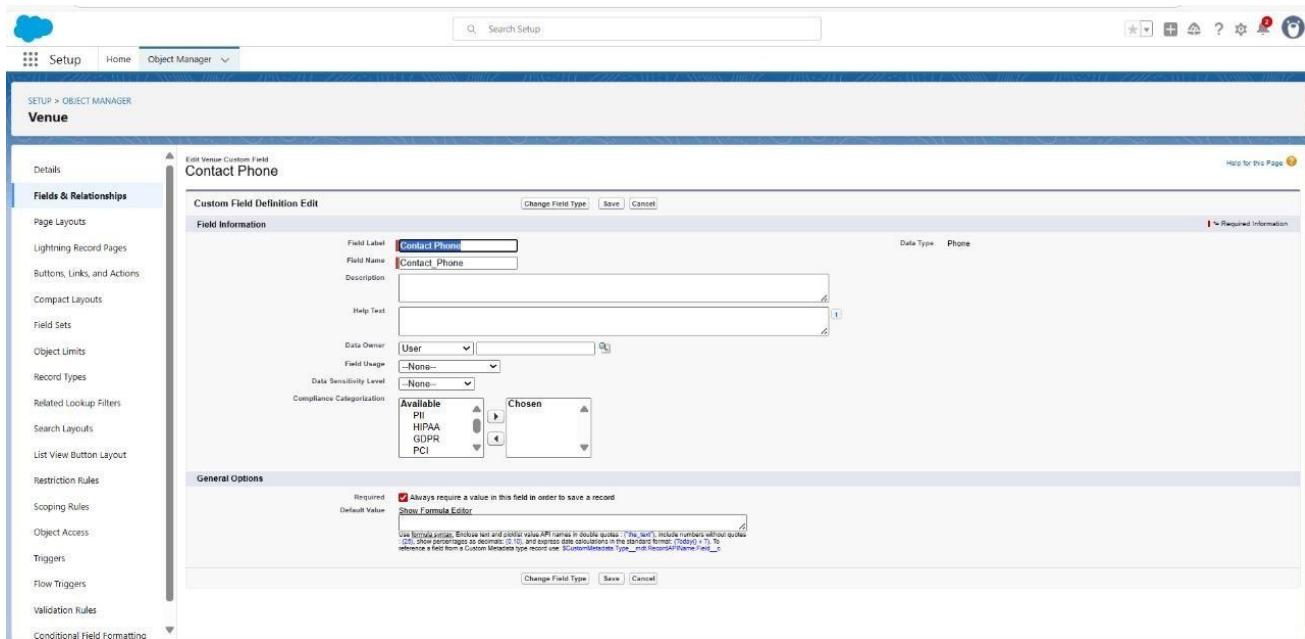
1. Go to setup >> click on Object Manager >> type object name (Venue) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Email” and Click on Next
4. Fill the Above as following:
 - Field Label: Contact Email
 - Field Name: Contact_Email
 - Click on required check box
 - Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Setup interface with the following details:

- Header:** Search bar with "Search Setup".
- Top Navigation:** Setup, Home, Object Manager.
- Breadcrumb:** SETUP > OBJECT MANAGER > Venue.
- Left Sidebar:** Fields & Relationships section expanded, showing various options like 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, Restriction Rules, Scoping Rules, Object Access, Triggers, Flow Triggers, Validation Rules, and Conditional Field Formatting.
- Current Page:** Edit Venue Custom Field "Contact Email".
- Form Fields (Field Information):**
 - Field Label: Contact Email
 - Field Name: Contact_Email
 - Description: (empty)
 - Help Text: (empty)
 - Data Owner: User
 - Field Usage: -None-
 - Data Sensitivity Level: -None-
 - Compliance Categorization: Available (PII, HIPAA, GDPR, PCI) and Chosen (PII, HIPAA, GDPR, PCI).
- General Options:**
 - Required: Always require a value in this field in order to save a record
 - Unique: Do not allow duplicate values
 - External ID: Set this field as the unique record identifier from an external system
 - Default Value: Show Formula Editor
- Buttons at the bottom:** Change Field Type, Save, Cancel.

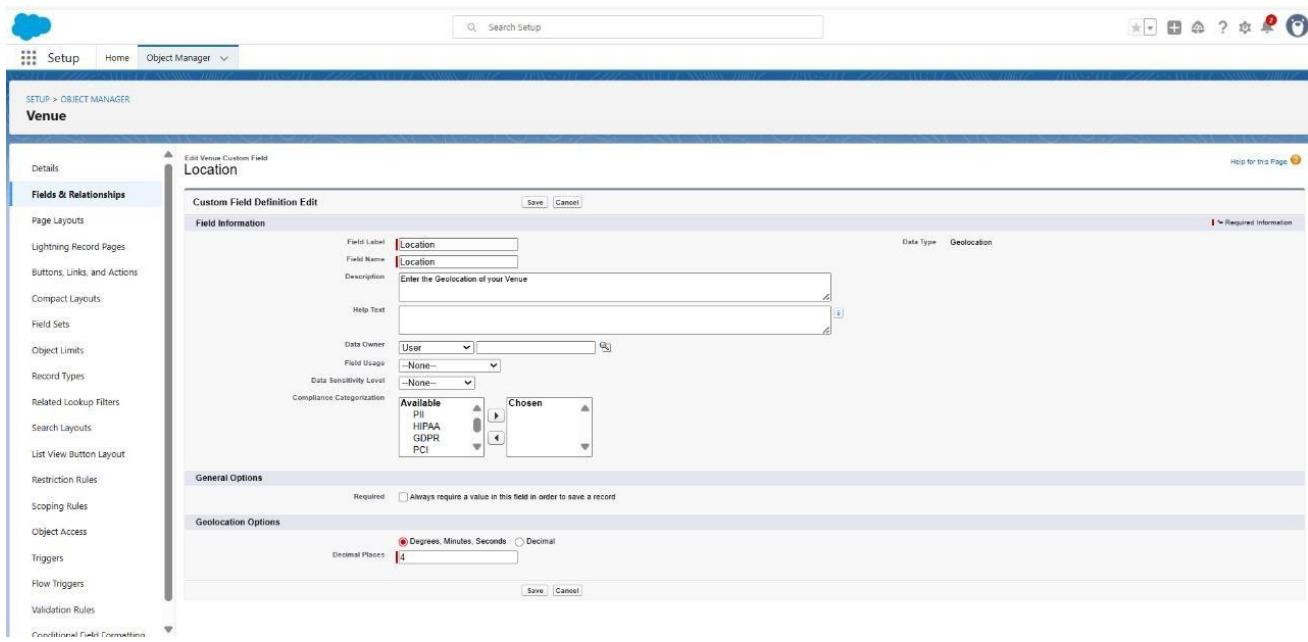
To create contact phone in venue object:

5. Go to setup >> click on Object Manager >> type object name (Venue) in search bar >> click on the object.
6. Now click on “Fields & Relationships” >> New
7. Select Data type as a “Phone” and Click on Next
8. Fill the Above as following:
 - Field Label: Contact Phone
 - Field Name: Contact Phone
 - Click on required check box
 - Click on Next >> Next >> Save and new.



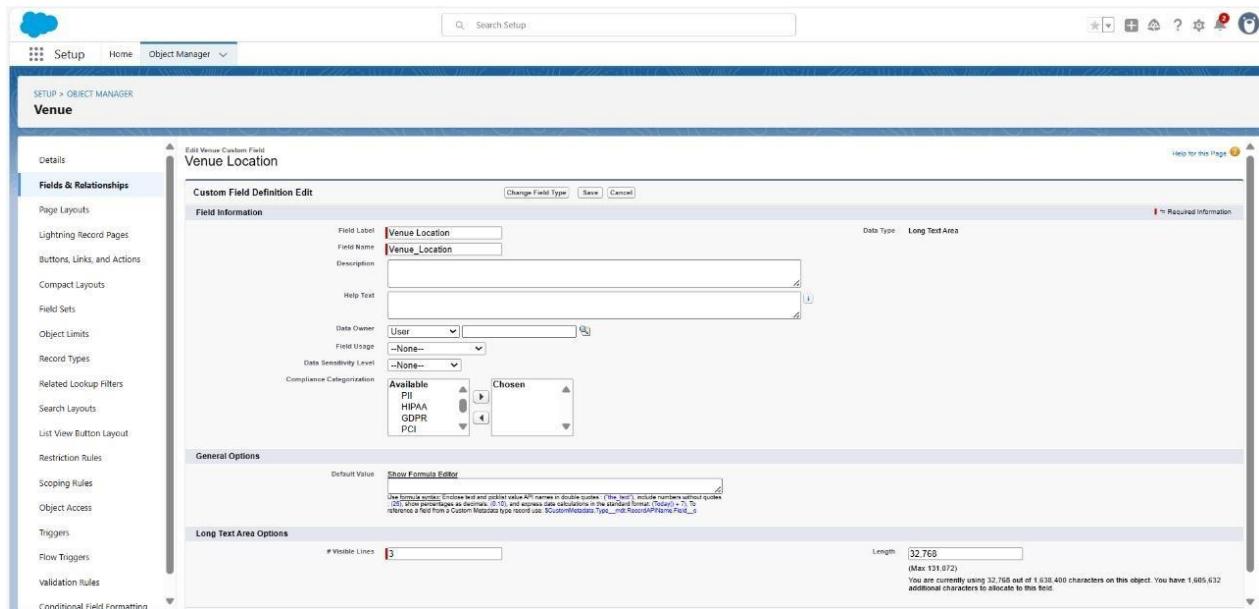
To create location in venue object:

1. Go to setup >> click on Object Manager >> type object name (Venue) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Geolocation” and Click on Next
4. Fill the Above as following:
 - Field Label: Location
 - Decimal Places: 4
 - Field Name: Location
 - Description: Enter the Geolocation of your Venue
 - Click on Next >> Next >> Save and new.



To create Venue Location fields in an object:

9. Go to setup >> click on Object Manager >> type object name (Venue) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Long Text Area” and Click on Next
12. Fill the Above as following:
 - Field Label: Venue Location
 - Field Name: Venue Location
 - Click on Next >> Next >> Save and new.



Creation of fields for the Drop-Off point object

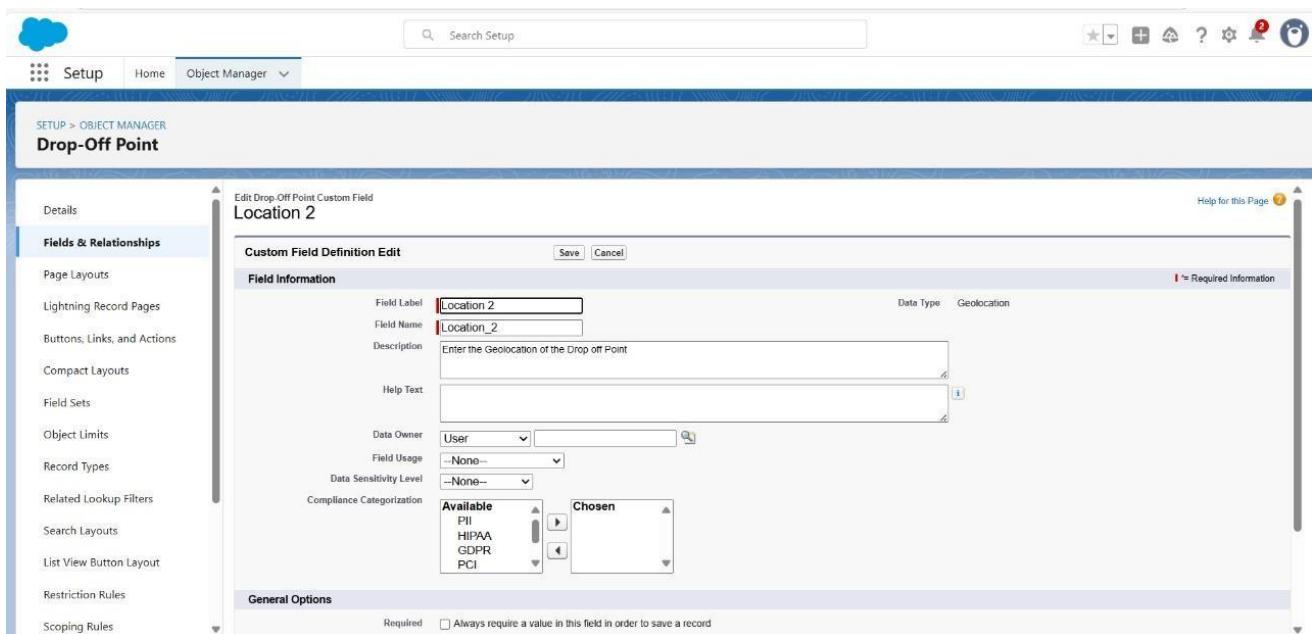
Go to setup >> click on Object Manager >> type object name (Drop-Off point) in search bar >> click on the object.

2. Now click on “Fields & Relationships”>> New

3. Select Data type as a “Geolocation” and Click on Next

4. Fill the Above as following:

- Field Label: Location 2
- Field Name: gets auto generated
- Description: Enter the Geolocation of the Drop off Point
- Geolocation Options: select Decimal
- Decimal Places: 4
- Click on Next >> Next >> Save and new.



To create distance calculation in Drop-Off point object:

1. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
2. Now click on “Fields & Relationships”>> New
3. Select Data type as a “Formula” and Click on Next
4. Fill the Above as following:
 - Field Label: distance calculation
 - Field Name: distance calculation
 - Formula Return Type: Number

- Formula Options: DISTANCE (Location_2_c , Venue_r.Location_c , 'km')
- Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Object Manager interface for creating a custom field. The object being edited is 'Drop-Off Point'. The custom field is named 'distance calculation' with a field label of 'distance calculation'. The formula options section is visible at the bottom of the edit screen.

The screenshot shows the 'Formula Options' dialog box. The formula return type is set to 'Number' with 4 decimal places. The formula input field contains the expression: `distance calculation (Number) = DISTANCE(Location_2__c , Venue_r.Location_c , 'km')`. The entire formula input field is highlighted with a red box.

To create State in Drop-Off point object:

1. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
2. Now click on “Fields & Relationships”>>New
3. Select Data type as a “Picklist” and Click on Next

4. Fill the Above as following:

- Field Label : State
- Field Name : State

Enter values, with each value separated by a new line :

Andhra Pradesh

Arunachal Pradesh

Assam

Bihar Chhattis-

garh Goa

Gujarat Haryana

Himachal Pradesh

Jharkhand Karnataka

Kerala Maharashtra-

tra Madhya Pra-

desh Manipur

Meghalaya Mizo-

ram Nagaland

Odisha

Punjab

Rajasthan

Sikkim

Tamil Nadu

Tripura Tel-

angana

Uttar Pradesh

Uttarakhand

West Bengal

Andaman & Nicobar (UT)

Chandigarh (UT)

Dadra & Nagar Haveli and Daman & Diu (UT)

Delhi [National Capital Territory (NCT)] Jammu
& Kashmir (UT)

Ladakh (UT) Lak-

shadweep (UT)

Puducherry (UT)

- Click on required check box
- Click on Next >> Next >> Save and new.

Setup > OBJECT MANAGER
Drop-Off Point

Fields & Relationships

Field Information

- Field Label: State
- Field Name: State
- Description:
- Help Text:
- Data Owner: User
- Field Usage: -None-
- Data Sensitivity Level: -None-
- Compliance Categorization: Available (PII, HIPAA, GDPR, PCI) Chosen

General Options

- Required: Always require a value in this field in order to save a record
- Show Formula Editor

Picklist Options

- Restrict picklist to the values defined in the value set

To create Distance in Drop-Off point object:

1. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Number” and Click on Next
4. Fill the Above as following:
 - Field Label : Distance
 - Field Name : Distance
 - Length : 14
 - Decimal Places : 4
 - Click on required check box
 - Click on Next >> Next >> Save and new.

Setup > OBJECT MANAGER
Drop-Off Point

Fields & Relationships

Field Information

- Field Label: Distance
- Field Name: Distance
- Description:
- Help Text:
- Data Owner: User
- Field Usage: -None-
- Data Sensitivity Level: -None-
- Compliance Categorization: Available (PII, HIPAA, GDPR, PCI) Chosen

General Options

- Required: Always require a value in this field in order to save a record
- Unique: Do not allow duplicate values
- External ID: Set this field as the unique record identifier from an external system
- AI Prediction: Use this field to store AI prediction scores
- Show Formula Editor

Number Options

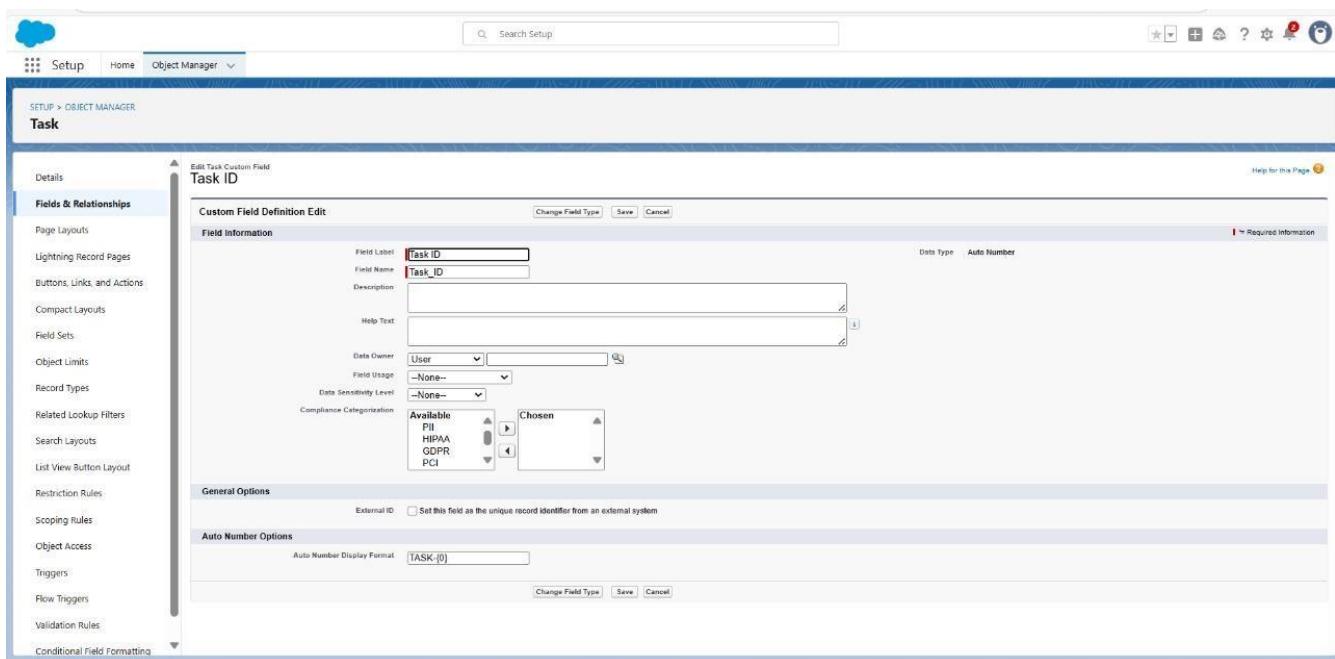
- Length: 14
- Decimal Places: 4

Creation of fields for the Task object

Go to setup>> click on Object Manager >> type object name (Task) in search bar >> click on the object.

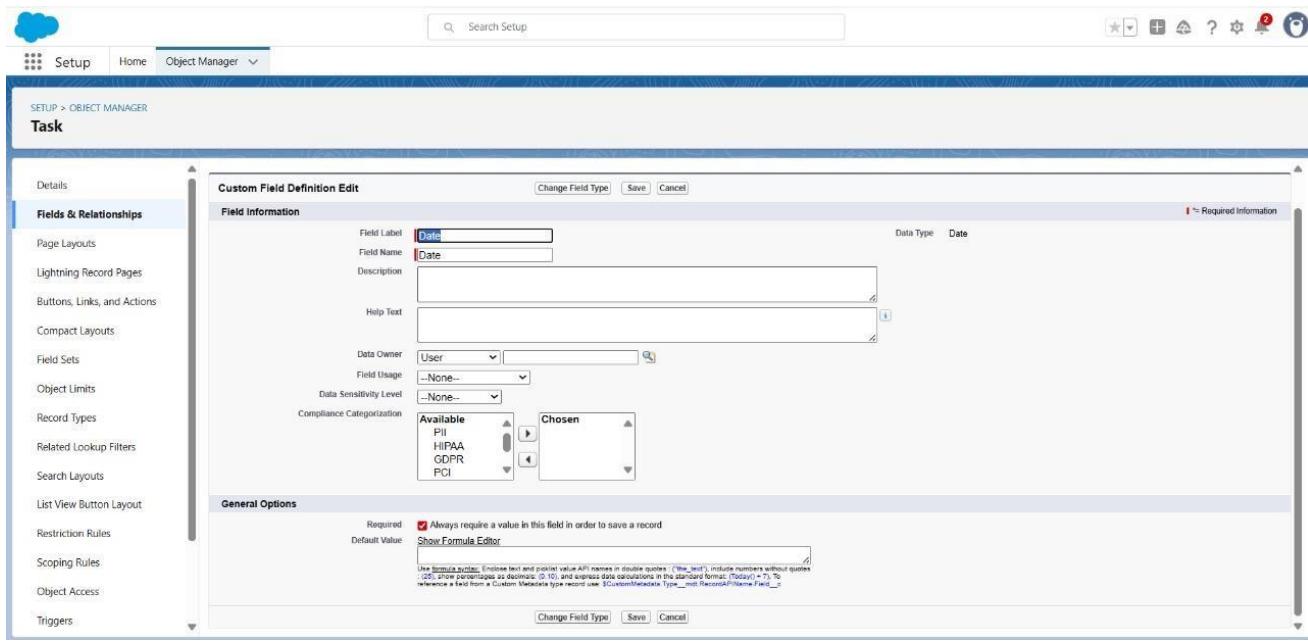
2. Now click on “Fields & Relationships”>>New
3. Select Data type as a “Auto Number” and Click on Next
4. Fill the Above as following:

- Field Label: Task ID
- Display Format: TASK-{0}
- Starting Number: 1
- Field Name: gets auto generated
- Click on required check box
- Click on Next >> Next >> Save and new.



To create Date in Task object:

1. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships”>>New
3. Select Data type as a “Date” and Click on Next
4. Fill the Above as following:
 - Field Label: Date
 - Field Name: Date
 - Click on required check box
 - Click on Next >> Next >> Save and new.



To create Food Category fields in an object:

1. Go to setup >> click on Object Manager >> type object name (Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Picklist (Multi-Select)” and Click on Next
4. Fill the Above as following:
 - Field Label: Food Category
 - Field Name: Food_Category
 - Enter values, with each value separated by a new line:

Veg
Non-Veg
Salad
Snacks
 - Click on required check box
 - Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Object Manager interface for creating a new field. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main area is titled 'Task' and shows the 'Field Information' section for a new field named 'Food Category'. The 'Data Type' is set to 'Picklist (Multi Selected)'. Other settings include 'Field Label' (Food Category), 'Field Name' (Food_Category), and 'Help Text'. The 'Compliance Categorization' section shows 'Available' and 'Chosen' categories with PII, HIPAA, GDPR, and PCI listed. Under 'General Options', the 'Required' checkbox is checked. The 'Picklist (Multi-Select) Options' section has 'Visible Lines' set to 4. A note at the bottom explains formula syntax.

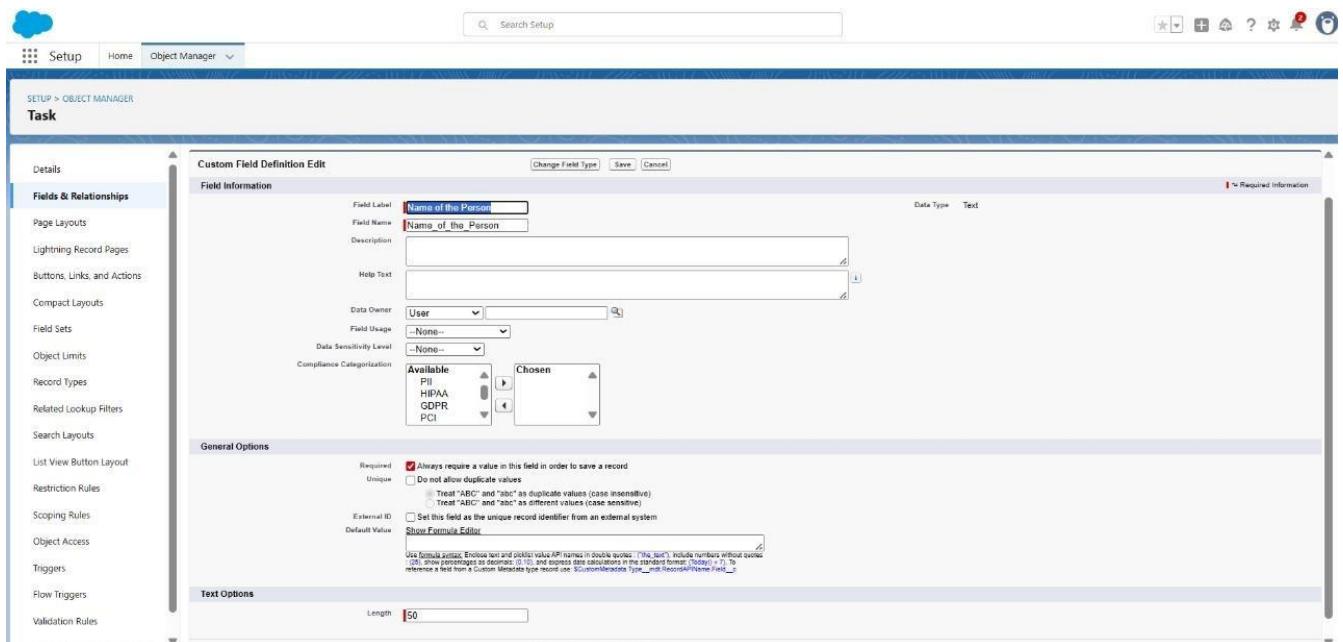
To create Number of People Served in Task object:

1. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Number” and Click on Next
4. Fill the Above as following:
 - Field Label : Number of People Served
 - Field Name : Number_of_People_Served
 - Click on required check box
 - Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Object Manager interface for editing a custom field named 'Number of People Served'. The left sidebar lists various setup options like Details, Fields & Relationships, Page Layouts, etc. The main area is titled 'Edit Task Custom Field: Number of People Served'. The 'Custom Field Definition Edit' screen shows the 'Field Information' section with 'Field Label' (Number of People Served), 'Field Name' (Number_of_People_Served), and 'Data Type' (Number). Other settings include 'Field Owner' (User), 'Field Usage' (None), and 'Data Sensitivity Level' (None). The 'Compliance Categorization' section shows 'Available' and 'Chosen' categories with PII, HIPAA, GDPR, and PCI listed. Under 'General Options', the 'Required' checkbox is checked. The 'General Options' section also includes 'Unique', 'External ID', 'AI Prediction', and 'Default Value' settings. A note at the bottom explains formula syntax.

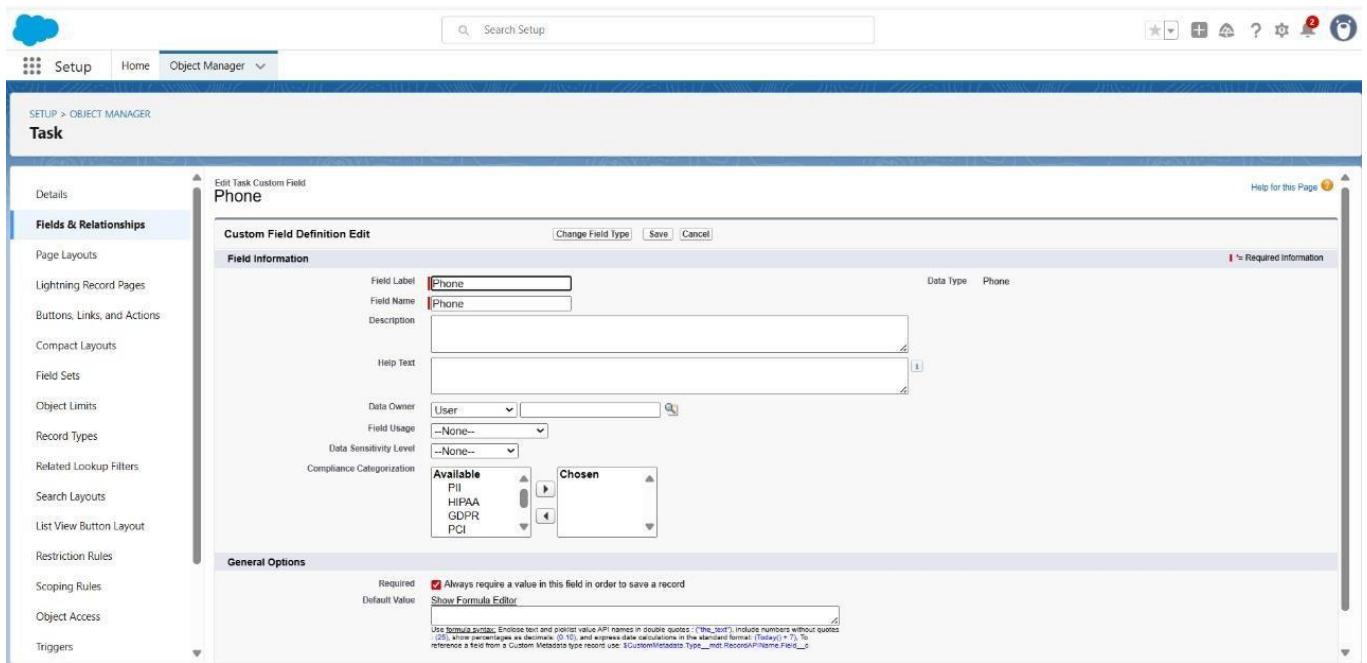
To create Name of the Person in Task object:

1. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Text” and Click on Next
4. Fill the Above as following:
 - Field Label : Name of the Person
 - Field Name : Name_of_the_Person
 - Click on Next >> Next >> Save and new.



To create Phone fields in Task object:

1. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Phone” and Click on Next
4. Fill the Above as following:
 - Field Label : Phone
 - Field Name : Phone
 - Click on Next >> Next >> Save and new.



To create Rating in Task object:

Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.

5. Now click on “Fields & Relationships”>>New
6. Select Data type as a “Pick List” and Click on Next
7. Fill the Above as following:

- Field Label : Rating
- Field Name : Rating
- Enter values, with each value separated by a new line :

1
2
3
4
5

- Click on Next >> Next >> Save and new.

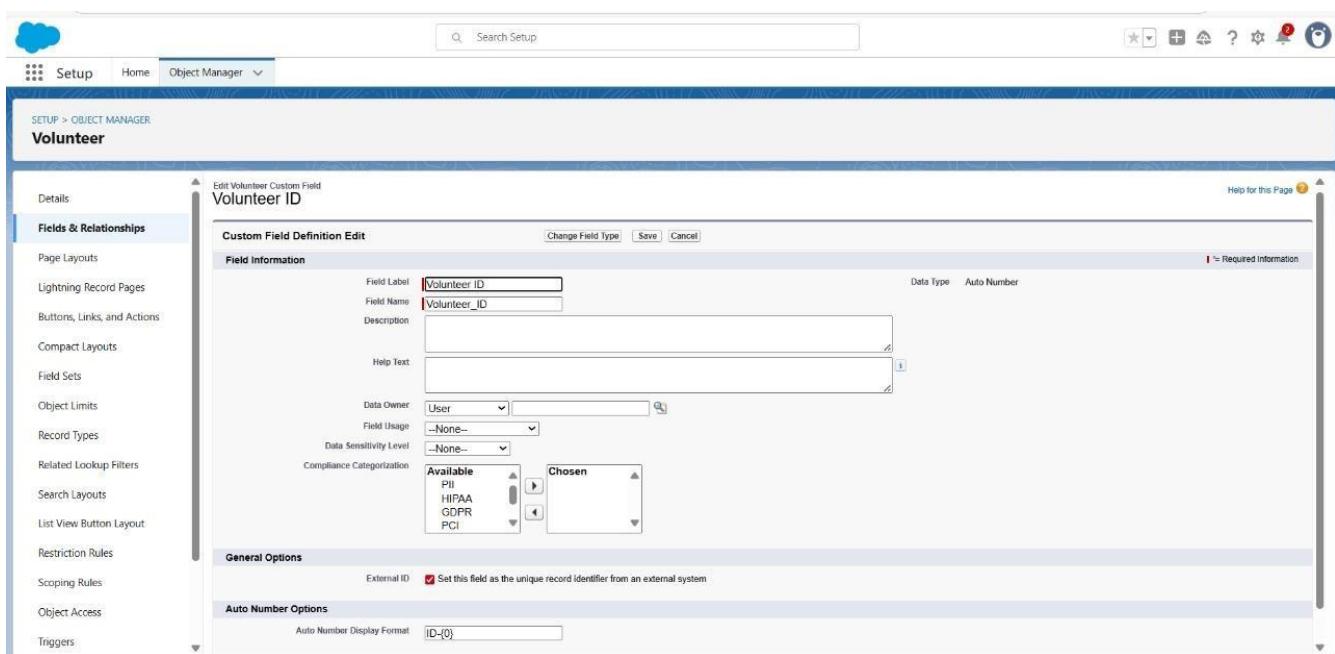
To create another fields in an object:

1. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Long Text Area” and Click on Next
4. Fill the Above as following:
 - Field Label : Feedback
 - Field Name : Feedback
 - Click on Next >> Next >> Save and new.

Creation of fields for the Volunteer object

To create Volunteer ID in Volunteer object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Auto Number” and Click on Next
4. Fill the Above as following:
 - Field Label : Volunteer ID
 - Field Name : gets auto generated
 - Click on required check box
 - Click on Next >> Next >> Save and new.



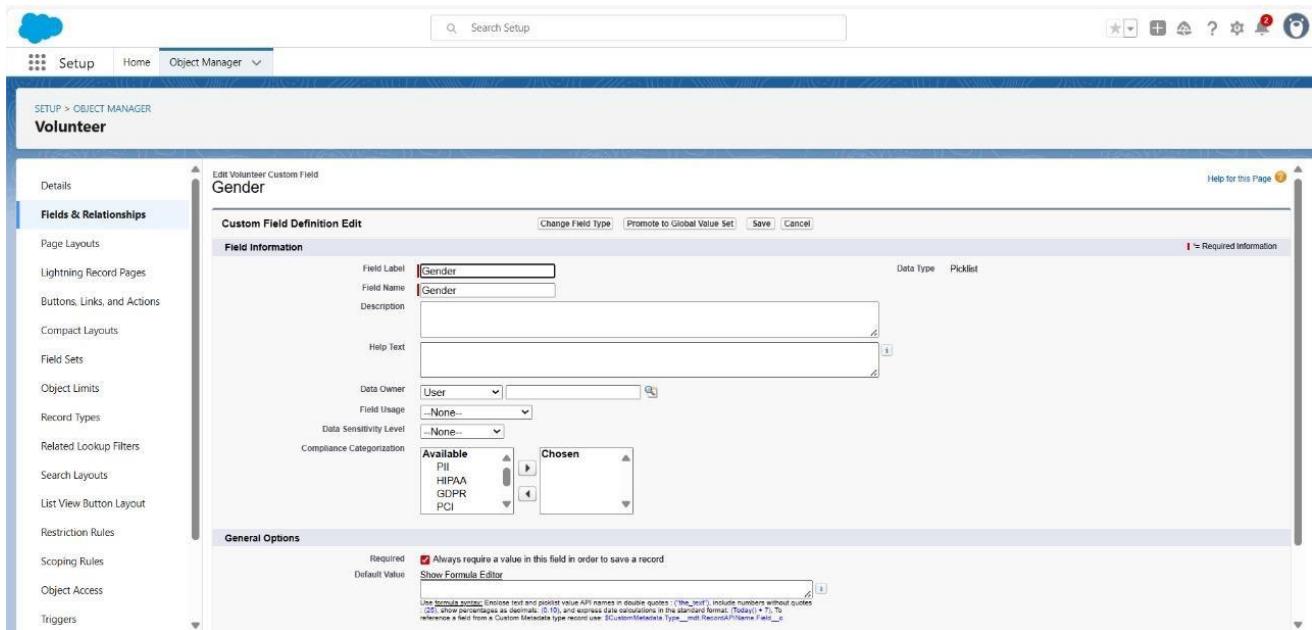
To create Gender in Volunteer object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Picklist” and Click on Next
4. Fill the Above as following:
 - Field Label : Gender
 - Field Name : Gender
 - Enter values, with each value separated by a new line :

Female

Male

- Click on Next >> Next >> Save and new.



To create Available On in Volunteer object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships”>>New
3. Select Data type as a “Date” and Click on Next
4. Fill the Above as following:
 - Field Label : Available On
 - Field Name : Available On
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create Age in Volunteer object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships”>>New
3. Select Data type as a “Number” and Click on Next
4. Fill the Above as following:
 - Field Label : Age
 - Field Name : Age
 - Click on required check box
 - Click on Next >> Next>> Save and new.

To create Email in Volunteer object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Email” and Click on Next
4. Fill the Above as following:
 - Field Label : Email
 - Field Name : Email
 - Click on required check box
 - Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Setup interface for creating a custom field. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main title is 'SETUP > OBJECT MANAGER Volunteer'. On the left, a sidebar lists various object settings like Details, Fields & Relationships (selected), Page Layouts, and Record Types. The main content area is titled 'Edit Volunteer Custom Field Email'. It shows the 'Custom Field Definition Edit' screen with 'Field Information' and 'General Options' sections. In 'Field Information', 'Field Label' and 'Field Name' are both set to 'Email', and the 'Data Type' is 'Email'. In 'General Options', the 'Required' checkbox is checked. Other options include 'Unique', 'External ID', and 'Default Value'.

To create Contact Number in Volunteer object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Number” and Click on Next
4. Fill the Above as following:
 - Field Label : Contact Number
 - Field Name : Contact_Number
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create Address in Volunteer object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships” >> New
3. Select Data type as a “Text Area (Long)” and Click on Next
4. Fill the Above as following:
 - Field Label : Address
 - Field Name : Address
 - Click on Next >> Next >> Save and new.

To create Date of Birth in Volunteer object:

1. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
2. Now click on “Fields & Relationships”>>New
3. Select Data type as a “Date” and Click on Next
4. Fill the Above as following:
 - Field Label : Date of Birth
 - Field Name : Date_of_Birth
 - Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes 'Setup', 'Home', 'Object Manager', and a search bar. The main title is 'SETUP > OBJECT MANAGER Volunteer'. On the left, a sidebar lists various configuration options under 'Fields & Relationships'. The central panel is titled 'Edit Volunteer: Custom Field Date of Birth' and contains a 'Custom Field Definition Edit' form. The 'Field Information' section shows 'Field Label' as 'Date of Birth', 'Field Name' as 'Date_of_Birth', and 'Data Type' as 'Date'. Other fields include 'Description', 'Help Text', 'Data Owner' (User), 'Field Usage' (None), 'Data Sensitivity Level' (None), and a 'Compliance Categorization' section with 'Available' (PII, HIPAA, GDPR, PCI) and 'Chosen' (None). The 'General Options' section includes a 'Required' checkbox (checked) and a 'Default Value' input field with a formula editor. A note at the bottom explains the formula syntax.

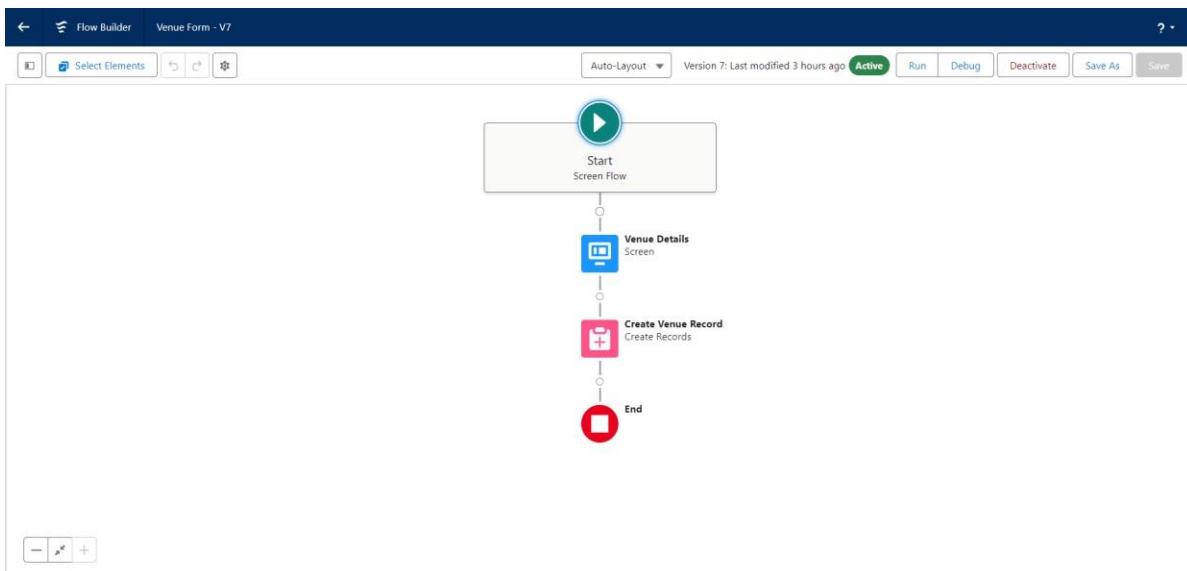
Creation of fields for the Execution Details object

1. Go to setup >> click on Object Manager >> type object name(Execution Details) in search bar >> click on the object.
2. Now click on “Fields & Relationships”>>New
3. Select Data type as a “Auto Number” and Click on Next
4. Fill the Above as following:
 - Field Label : Execution ID
 - Field Name : gets auto generated
 - Click on required check box
 - Click on Next >> Next >> Save and new

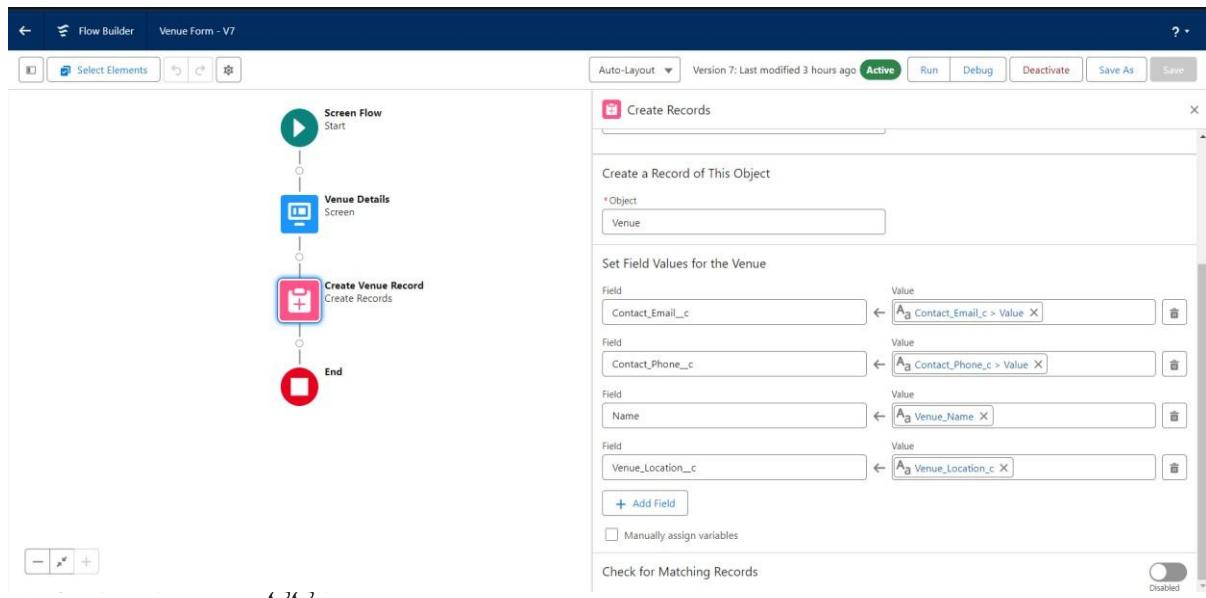
The screenshot shows the Salesforce Setup interface under Object Manager. The page title is "Execution Detail". On the left, a sidebar lists various setup categories like Page Layouts, Lightning Record Pages, and Field Sets. The main content area displays the "Execution Detail Name" field configuration. It includes a description stating, "The Record Name appears in page layouts, key lists, related lists, lookups, and search results. For example, the Record Name for Account is "Account Name" and for Case it is "Case Number". Note that the Record Name field is always called "Name" when referenced via the API." Below this is a form with fields: "Record Name" (containing "Execution Detail Name" with an example "Account Name"), "Data Type" (set to "Text"), and buttons for "Save" and "Cancel". To the right, there is a preview window titled "Recent Accounts" showing a table with columns "Account Name" and "City", listing entries like "Acme" (New York), "Global Media" (Toronto), and "salesforce.com" (San Francisco).

h. Create Flow to create a record in Venue object

the flow should look like this----



The screenshot shows the "Edit Screen" configuration for the "Venue Form" screen. The left sidebar lists "Components" and "Fields". The main area shows the "Venue Form" layout with fields for "Venue Name", "Email" (with value "you@example.com"), "Phone", and "Venue Location". The right sidebar shows "Screen Properties" with "Label" set to "Venue Details", "API Name" set to "Venue_Details", and a "Description" field. Buttons at the bottom right include "Cancel" and "Done".



```

1trigger DropOffTrigger on Drop_Off_point__c (before insert) {
2
3    for(Drop_Off_point__c Drop : Trigger.new){
4
5        Drop.Distance__c = Drop.distance_calculation__c;
6
7    }
8}

```

The screenshot shows the developer console with the code editor open. The tabs at the bottom include 'Logs', 'Tests' (which is selected), 'Checkpoints', 'Query Editor', 'ViewState', 'Progress', and 'Problems'. Below the code editor, there is a table for 'Overall Code Coverage' with one row for 'DropOffTrigger' showing 0% coverage across all classes.

Class	Percent	Lines
Overall	0%	
DropOffTrigger	0%	0/2

the code should look like this the trigger has created.

j. Creation of Users and profile

here we have to create a NGOs profile and under this profile we have to cretae a users that are going to be the NGOs foundations

The screenshot shows the Salesforce Setup interface for managing Profiles. The left sidebar is collapsed, and the main area is titled "SETUP Profiles". A search bar at the top right contains the text "Search Setup". Below it, a navigation bar includes "Setup", "Home", and "Object Manager". A search bar on the left sidebar has the text "prof". The main content area is titled "Profiles" and displays a table with one row. The table columns are "Action", "Profile Name", "User License", and "Custom". The single row shows "Edit | Del ..." next to "NGOs Profile", "Salesforce Platform" as the User License, and a checked checkbox under "Custom". At the bottom of the table, there are links for "All Profiles", "Edit", "Delete", and "Create New View". A navigation bar at the bottom of the page includes letters from A to Z and a "Help for this Page" link.

The screenshot shows the Salesforce Setup interface for managing Users. The left sidebar is expanded, showing sections like "Users", "Permission Set Groups", "Permission Sets", "Profiles", "Public Groups", "Queues", "Roles", "User Management Settings", "Feature Settings", "Data.com", and "Prospector Users". The "Users" section is currently selected. The main area is titled "SETUP Users" and displays a table titled "All Users". A search bar at the top right contains the text "Search Setup". Below it, a navigation bar includes "Setup", "Home", "Object Manager", and "Object Manager". A search bar on the left sidebar has the text "users". The main content area is titled "All Users" and displays a table with multiple rows. The table columns are "Action", "Full Name", "Alias", "Username", "Role", "Active", and "Profile". The rows list various users with their details: "Chatter Expert" (Chatter, chatty_00dgj0000064xjuaq_nukoyj3umqd@chatter.salesforce.com, Chatter Free User), "EPIC_OrgFarm" (OEPIC, epic_0ec3665472ed@orgfarm.salesforce.com, System Administrator), "Iksha_Foundation_Iksha Foundation" (iksh, akhilasura@dfqh.com, NGOs Profile), "NSS NSS" (nsss, akhilasura@0scvb.com, NGOs Profile), "Street_Cause_Street Cause" (sstre, akhilasura89@teer.com, NGOs Profile), "sura_Akhila" (akh, akhilasura89737@agentforce.com, System Administrator), "User_Integration" (integ, integration@00dgj0000064xjuaq.com, Analytics Cloud Integration User), and "User_Security" (sec, insightssecurity@00dgj0000064xjuaq.com, Analytics Cloud Security User). At the bottom of the table, there are buttons for "New User", "Reset Password(s)", and "Add Multiple Users". A navigation bar at the bottom of the page includes letters from A to Z and a "Help for this Page" link.

k. Creation of Public Group 1,2,3

The screenshot shows the Salesforce Setup page for 'Public Groups'. The search bar at the top contains 'public groups'. The left sidebar has 'Users' expanded, with 'Public Groups' selected. A message says 'Didn't find what you're looking for? Try using Global Search.' Below the sidebar is a table listing three public groups:

Action	Label	Group Name	Created By	Created Date
Edit Del	Iksha	Iksha	sura_Akhila	7/19/2025, 7:28 AM
Edit Del	NSS	NSS	sura_Akhila	7/19/2025, 7:29 AM
Edit Del	Street_Cause	Street_Cause	sura_Akhila	7/19/2025, 7:31 AM

Creation of Report on Venue with Drop-Off with Volunteer

The screenshot shows the FoodConnect report builder interface. The top navigation bar includes 'FoodConnect', 'Home', 'Venues', 'Tasks', 'Drop-Off Points', 'Execution Details', 'Volunteers', 'Reports', and 'Dashboards'. The current report is titled 'Venue with DropOff with Volunteer'. The left sidebar shows 'REPORT' and 'venue and Drop Off point'. The main area displays report fields and filters:

- Fields:**
 - Groups:** GROUP ROWS, Add group...
 - Columns:** Add column..., Volunteer Name, Drop-Off Point Name, Distance
 - Volunteer Name, Drop-Off Point Name, # Distance
- Filters:** Previewing a limited number of records. Run the report to see everything.
- Buttons:** Add Chart, Save & Run, Save, Close, Run
- Other:** Update Preview Automatically (checkbox)

No records returned in preview. Try running the report or editing report filters.

- Show All venues.
- Set the Created Date filter to All Time.
- Edit other filters in the filter panel.

Creation of Report on Volunteers with Execution Details and Tasks

REPORT ▾

Volunteer Task ✓ Tasks with Execution Details and Volunteers

Outline Filters 1 Previewing a limited number of records. Run the report to see everything.

Groups GROUP ROWS Add group... Volunteer: Volunteer ID X

Columns GROUP COLUMNS Add column... Volunteer: Volunteer Name X Task: Task Name X Execution Detail: Execution Detail Name X Task: Owner Name X Task: Created Date X Rating X

No records returned in preview. Try running the report or editing report filters.

- Show All tasks.
- Edit other filters in the filter panel.

Update Preview Automatically

Row Counts Detail Rows Subtotals Grand Total

1. Dashboard

(4) WhatsApp cuvette.tech/app/dashboard/ o Task Execution Details | Salesfor +

← → ⌂ orgfarm-9f73edaf9f-dev-ed.develop.lightning.force.com/lightning/r/Dashboard/01ZgK000003JX1IUAG/view?queryScope=userFolders

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

Task Execution Details

As of Sep 9, 2025, 9:21 PM Viewing as Bhanumathi Nakka

venue and Drop Off point

Venue Name	Drop-Off Point Name	Distance
Boddam	rajam	-
srikakulam	tekkali	90.0700

View Report (venue and Drop Off point) As of Sep 9, 2025, 9:21 PM

Volunteer Task

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

View Report (Volunteer Task) As of Sep 9, 2025, 9:21 PM

Food Connects!

Search Q File Folder Home File Explorer PowerPoint Word Excel OneNote Teams Google Chrome

ENG IN 09:55 10-09-2025

m. Creation of sharing rules

The screenshot shows the Salesforce Sharing Settings page under the Setup menu. The left sidebar has a search bar and a 'Sharing Settings' section. The main area displays several sections for creating sharing rules:

- Work Step Template Sharing Rules**: No sharing rules specified.
- Work Type Sharing Rules**: No sharing rules specified.
- Work Type Group Sharing Rules**: No sharing rules specified.
- Drop-Off Point Sharing Rules**:

Action	Criteria	Shared With	Access Level
Edit Del	(Drop-Off Point: Distance LESS THAN 15)	Group_kska	Read Only
Edit Del	(Drop-Off Point: Distance GREATER THAN 30) AND (Drop-Off Point: Distance LESS OR EQUAL 50)	Group_namita	Read Only
Edit Del	(Drop-Off Point: Distance GREATER THAN 15) AND (Drop-Off Point: Distance LESS OR EQUAL 30)	Group_aranya	Read Only
- Task Sharing Rules**: No sharing rules specified.
- Venue Sharing Rules**: No sharing rules specified.

n. Creation of Home Page

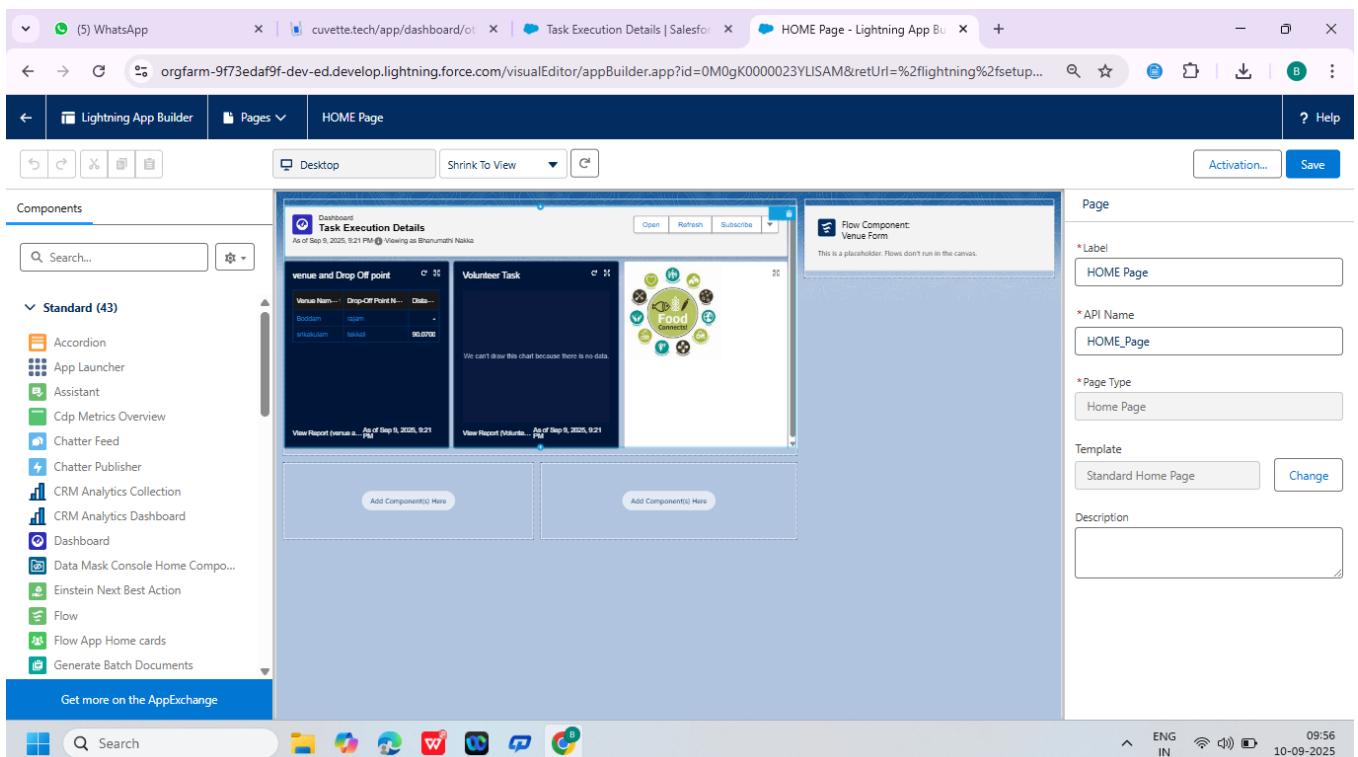
The screenshot shows the Lightning App Builder page under the Lightning Bolt Solutions tab in the Setup menu. The left sidebar lists various solutions and components. The main area shows the Lightning Pages section:

The Lightning App Builder provides an easy to use graphical interface for creating custom Lightning pages for Salesforce Lightning Experience and mobile app. Lightning pages are built using Lightning components—compact, configurable, and reusable elements that you can drag and drop into regions of the page in the Lightning App Builder.

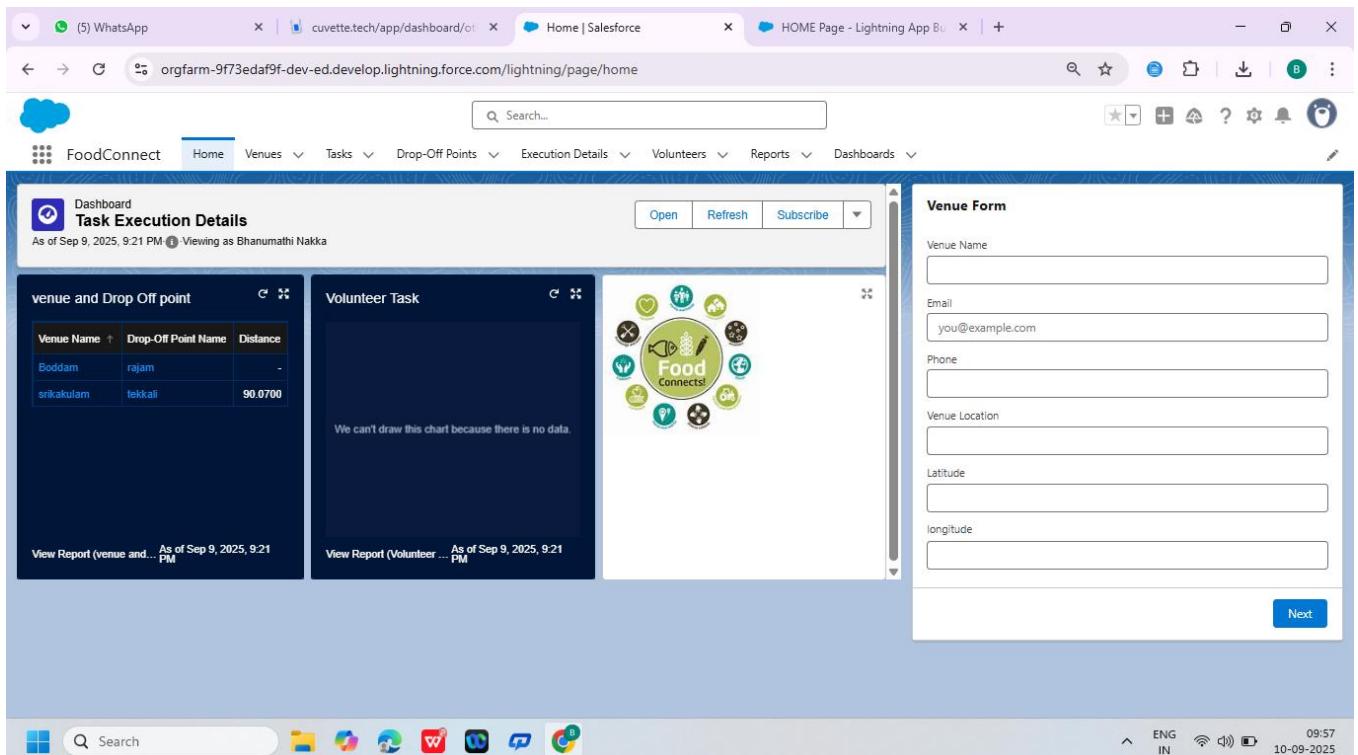
Lightning Pages

Action	Label +	Name	Namespace Prefix	Description	Type	Created By	Last Modified By
Edit Clone Del	HOME_Page	HOME_Page			Home Page	BRath 22/09/2024, 10:55 pm	BRath 23/09/2024, 8:35 am

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



6. OUTPUT SCREENSHOTS



THE FINAL OUTPUT OF THE APP SHOULD LOOK LIKE THIS AFTER FOLLOWING ALL THE STEPS CORRECTLY AS YOU CAN SEE MY OUTPUT LOOKS CORRECT AS THE OUTPUT SHOULD BE LIKE THIS

7. Conclusion

By utilizing the capabilities of the Salesforce platform, the initiative built an efficient and transparent system for managing excess food donations. It ensured smooth coordination with volunteers and prompt delivery to recipients, helping to combat food insecurity and optimize resource use.

Food Connect is designed to close the gap between surplus food and communities in need by automating and simplifying the donation process through Salesforce. The project highlights how Salesforce's adaptable features can support non-profit operations and drive meaningful social impact through technology.