

Salesforce Virtual Internship Program

SmartInternz

FOOD CONNECT

To supply leftover food to poor

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COLLEGE NAME : GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING

Project Title: Food Connect - To Supply Leftover Food to the Poor

1. Project Overview

This project focuses on the development of a Salesforce-based application, "Food Connect," aimed at facilitating the efficient distribution of leftover food from donors to underprivileged communities. By leveraging Salesforce's robust platform, the application optimizes daily operations, improves data accuracy, and provides actionable insights into food donation and distribution processes.

Designed to address the pressing issue of food wastage and hunger, this application automates critical processes such as tracking food donations, inventory management, volunteer coordination, and generating real-time reports.

The primary challenge addressed by this project is the inefficient handling of food donations, which can lead to delays and wastage. By providing a comprehensive, user-friendly solution, Food Connect ensures effective resource management, strengthened donor relationships, and seamless reporting.

Through this project, Food Connect aims to achieve:

- **Operational Excellence:** Automating routine processes to ensure timely collection and distribution of food.
- **Data-Driven Decision Making:** Equipping stakeholders with real-time insights into donations, distributions, and volunteer activities.
- **Scalability and Efficiency:** Supporting long-term growth with a secure, scalable, and flexible solution.

2. Objectives

Business Goals:

1. **Streamlining Operations:** Automating processes such as food donation tracking, inventory updates, and volunteer task allocation.
2. **Improved Decision-Making:** Delivering detailed reports and dashboards for real-time analytics, enabling better allocation of food resources and strategic planning.
3. **Enhancing Donor Relationships:** Providing personalized insights into donor contributions and feedback.
4. **Ensuring Data Security:** Implementing role-based access controls to restrict sensitive

information to authorized users.

Specific Outcomes:

- A centralized platform to monitor and manage food donations and distributions effectively.
- Real-time automated reports on food collection, distribution, and beneficiary statistics.
- Reduction of manual errors in data entry and calculations.
- User-friendly dashboards to visualize key metrics and insights.

3. Salesforce Key Features and Concepts Utilized

1. Reports and Dashboards:

- Automated generation of daily, weekly, and monthly reports on food donations, inventory levels, and distributions.
- Dashboards displaying critical metrics such as most active donors, top distribution locations, and food wastage trends.

2. Rollup Summary Fields:

- Summarizes data from child records to parent records in master-detail relationships.
- Examples:
 - Total food donated by each donor.
 - Total meals distributed in a specific location.

3. Cross-Object Formula Fields:

- Enables calculations across related objects.
- Example: Total beneficiaries reached calculated using $\text{Quantity of Food Distributed} \times \text{Average Meals per Unit}$.

4. Validation Rules:

- Ensures data accuracy and completeness.
- Example: The ISBLANK formula prevents saving records with missing mandatory fields, such as food quantity or beneficiary details, and displays error messages to guide users.

5. Permission Sets and Organization Wide Defaults (OWD):

- Configures access levels based on roles:
 - **Admin:** Complete access to all records.
 - **Volunteer Coordinator:** Access restricted to volunteer-related records.
 - **Volunteer:** Limited access based on assigned tasks.
- Ensures sensitive data is protected while enabling collaboration.

4. Detailed Steps to Solution Design

Requirement Gathering:

- Conducted discussions with stakeholders, including donors, volunteers, and community leaders, to understand operational pain points, reporting needs, and goals.

Data Model Design:

- Created custom objects for "Food Inventory," "Donor," "Distribution," and "Beneficiary."
- Defined relationships:
 - Master-detail relationship between "Food Inventory" and "Donor."
 - Lookup relationship between "Distribution" and "Beneficiary."

User Interface (UI) Design:

- Developed intuitive Lightning Pages tailored to different user roles (e.g., Admin Dashboard, Donation Entry Form).
- Included custom components to facilitate data entry and quick access to reports.

Business Logic Implementation:

- Automated workflows for low inventory alerts and donor notifications.
- Developed Apex classes and triggers for advanced calculations and inventory updates.

Reports and Dashboards:

- Configured reports to highlight:
 - Daily food donations and distributions.
 - Inventory levels and wastage trends.
 - Volunteer activity metrics.
- Dashboards provide real-time visualizations for quick decision-making.

Documentation and Screenshots:

- Documented all components, configurations, and workflows with accompanying screenshots for clarity and reference.

Object : Salesforce objects are database tables that permit you to store data that is specific to an organization. What are the types of Salesforce objects

Creating required 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.
2. On Custom object defining page:
3. Enter the label name, plural label name, click on Allow reports, Allow search.
4. Click on Save.

To create an object:

1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
1. Enter the label name >> Venue
2. Plural label name >> Venues
3. Enter Record Name Label and Format
 - Record Name >> Venue Name
 - Data Type >> Text
2. Click on Allow reports and Track Field History, Allow Activities.
3. Allow search >> Save.

The screenshot shows the Salesforce Object Manager setup page for a custom object named 'Venue'. The breadcrumb trail at the top reads 'SETUP > OBJECT MANAGER'. The page title is 'Venue'. On the left, there is a sidebar with a 'Details' tab selected, and a list of configuration options: 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, and Restriction Rules. The main content area is titled 'Details' and contains two columns of settings. The left column includes 'Description' (empty), 'API Name' (Venue__c), 'Custom' (checked), 'Singular Label' (Venue), and 'Plural Label' (Venues). The right column includes 'Enable Reports' (checked), 'Track Activities' (checked), 'Track Field History' (checked), 'Deployment Status' (Deployed), and 'Help Settings' (Standard salesforce.com Help Window). At the top right of the main content area, there are 'Edit' and 'Delete' buttons.

To create an object:

1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
1. Enter the label name >> Drop-Off Point
2. Plural label name >> Drop-Off Points
3. Enter Record Name Label and Format

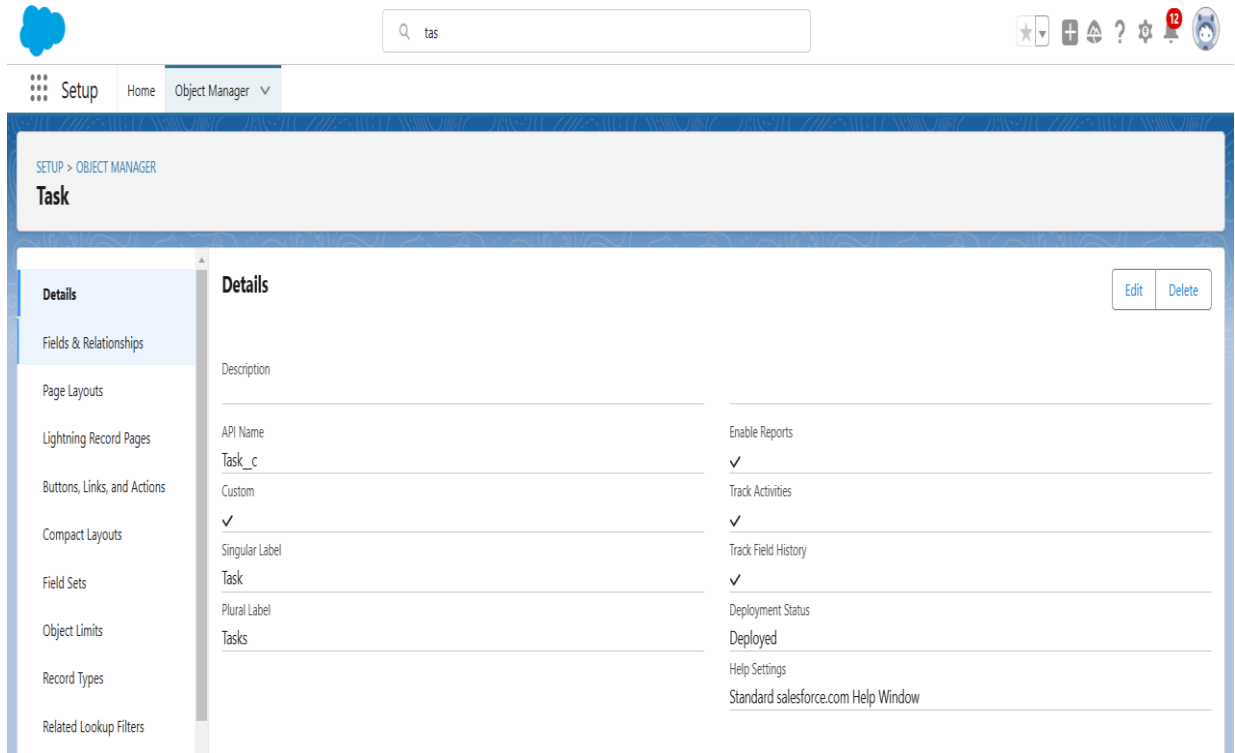
- Record Name >> Drop-Off point Name
 - Data Type >> Text
2. Click on Allow reports and Track Field History,Allow Activities
 3. Allow search >> Save.

The screenshot shows the Salesforce Setup interface. At the top, there is a search bar labeled 'Search Setup' and a navigation menu with 'Setup', 'Home', and 'Object Manager'. The 'Object Manager' tab is selected, and the 'Drop-Off Point' object is chosen. The page title is 'Drop-Off Point'. On the left, a sidebar lists various configuration options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The 'Details' section is active, showing a table of configuration options. The table has two columns: the first column lists the configuration item, and the second column shows its current value or status. The items are: Description (empty), API Name (Drop_Off_Point__c), Custom (checked), Singular Label (Drop-Off Point), Plural Label (Drop-Off Points), Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), Help Settings (Standard salesforce.com Help Window), and a link to the Standard salesforce.com Help Window. At the top right of the details section, there are 'Edit' and 'Delete' buttons.

Configuration Item	Value/Status
Description	
API Name	Drop_Off_Point__c
Custom	✓
Singular Label	Drop-Off Point
Plural Label	Drop-Off Points
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

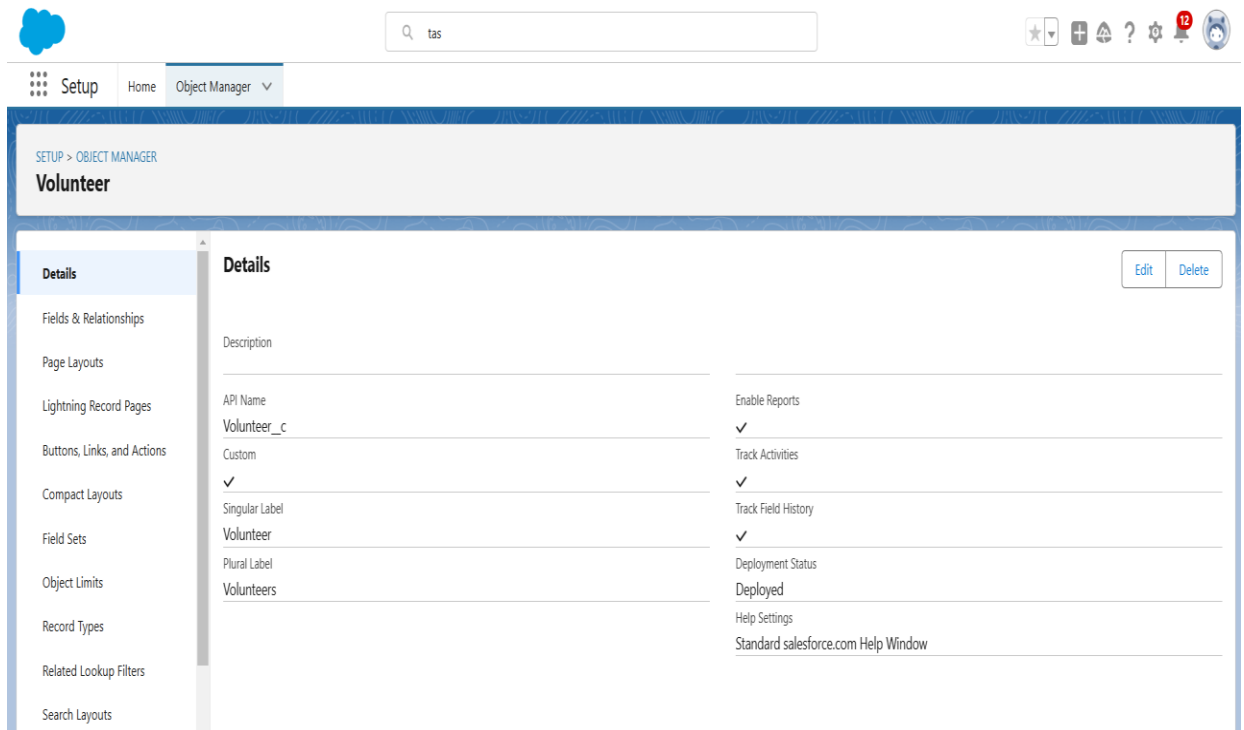
To create an object:

1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
1. Enter the label name>> Task
2. Plural label name>> Tasks
3. Enter Record Name Label and Format
 - Record Name >> Task Name
 - Data Type >> Text
2. Click on Allow reports and Track Field History,Allow Activities
3. Allow search >> Save.



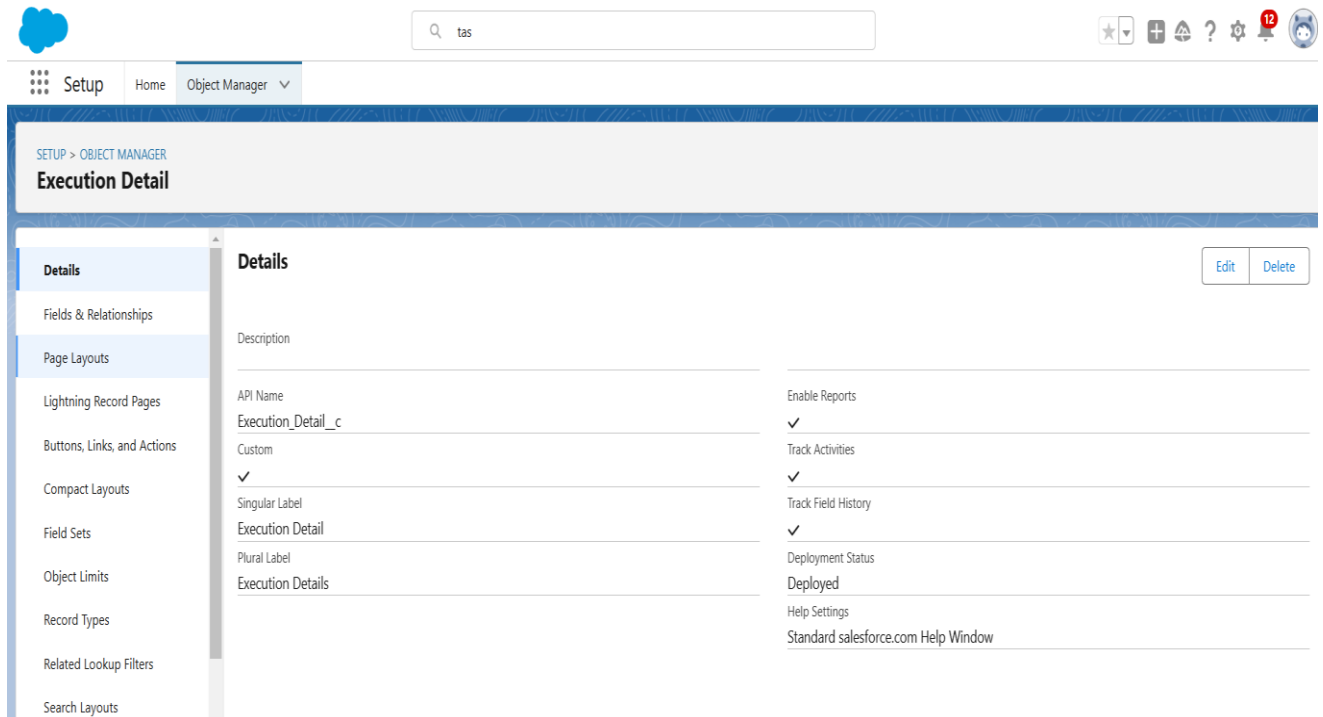
To create an object:

1. From the setup page >> Click on Object Manager>> Click on Create >> Click on Custom Object.
1. Enter the label name>> Volunteer
2. Plural label name>> Volunteers
3. Enter Record Name Label and Format
 - Record Name >> Volunteer Name
 - Data Type >> Text
2. Click on Allow reports and Track Field History, Allow Activities
3. Allow search >> Save.



To create an object:

1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
1. Enter the label name >> Execution Detail
2. Plural label name >> Execution Details
3. Enter Record Name Label and Format
 - Record Name >> Execution Detail Name
 - Data Type >> Text
2. Click on Allow reports and Track Field History, Allow Activities
3. Allow search >> Save.



Tabs

A tab is like a user interface that is used to build records for objects and to view the records in the objects

.

Types of Tabs:

Custom Tabs

Custom object tabs are the user interface for custom applications that you build in salesforce.com. They look and behave like standard salesforce.com tabs such as accounts, contacts, and opportunities.

Web Tabs

Web Tabs are custom tabs that display web content or applications embedded in the salesforce.com window. Web tabs make it easier for your users to quickly access content and applications they frequently use without leaving the salesforce.com application.

Visualforce Tabs

Visualforce Tabs are custom tabs that display a Visualforce page. Visualforce tabs look and behave like standard salesforce.com tabs such as accounts, contacts, and opportunities.

Lightning Component Tabs

Lightning Component tabs allow you to add Lightning components to the navigation menu in

Lightning Experience and the mobile app. Lightning Page Tabs Lightning Page Tabs let you add Lightning Pages to the mobile app navigation menu. Lightning Page tabs don't work like other custom tabs. Once created, they don't show up on the All Tabs page when you click the Plus icon that appears to the right of your current tabs. Lightning Page tabs also don't show up in the Available Tabs list when you customize the tabs for your apps.

To create a Tab:(Venue,"Drop-Off Point, Task, Volunteer, Execution Details".)

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

The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with "tabs" entered. Under "User Interface", the "Tabs" link is highlighted. The main content area is titled "Custom Tabs" and includes a "Help for this Page" link. Below the title, there is a description of custom tabs and their types. A table titled "Custom Object Tabs" lists several tabs with their labels, styles, and descriptions. The "Web Tabs" section below it shows that no web tabs have been defined.

Action	Label	Tab Style	Description
Edit Del	Drop-Off Points	Factory	
Edit Del	Execution Details	Computer	
Edit Del	Tasks	Building Block	
Edit Del	Venues	Castle	
Edit Del	Volunteers	People	

Web Tabs

No Web Tabs have been defined

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

The Lightning App

An app is a collection of items that work together to serve a particular function.

Lightning Experience, Lightning apps give your users access to sets of objects, tabs, and other items all in one convenient bundle in the navigation bar.

Lightning apps let you brand your apps with a custom color and logo. You can even include a utility bar and Lightning page tabs in your Lightning app. Members of your org can work more efficiently by easily switching between apps. To create a lightning app page:

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

App Name : FoodConnect

Developer Name : This will auto 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.

Search Setup

New Lightning App

App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

* App Name ⓘ
FoodConnect

* Developer Name ⓘ
FoodConnect

Description ⓘ
Enter a description...

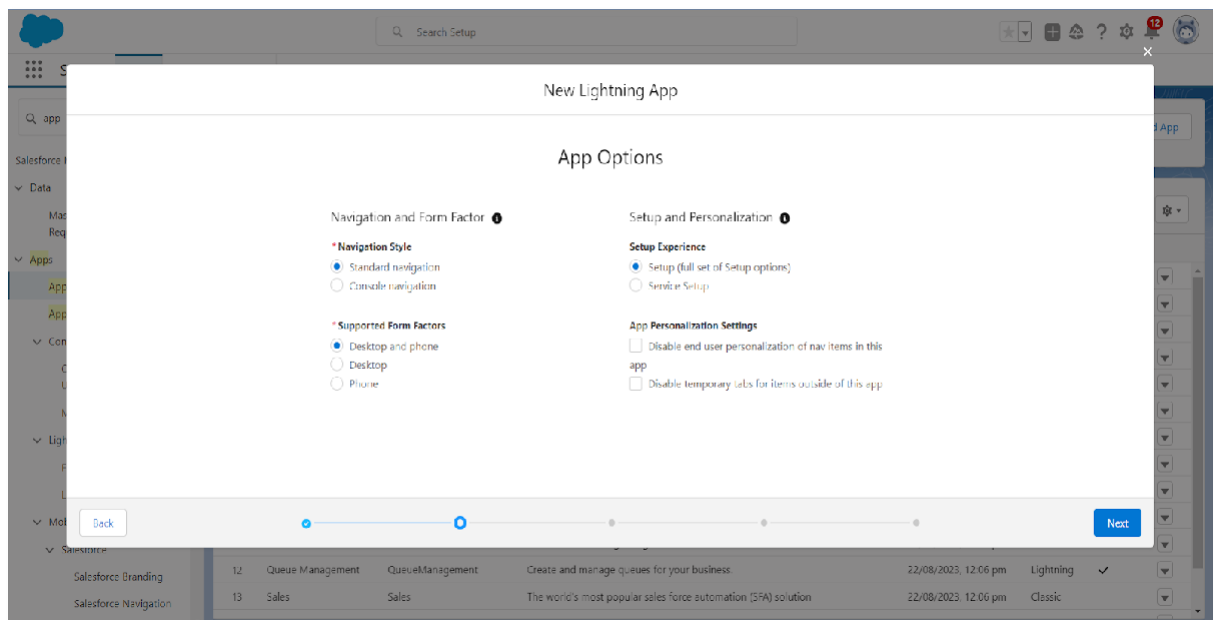
App Branding

Image ⓘ
Upload

Primary Color Hex Value ⓘ
#0070D2

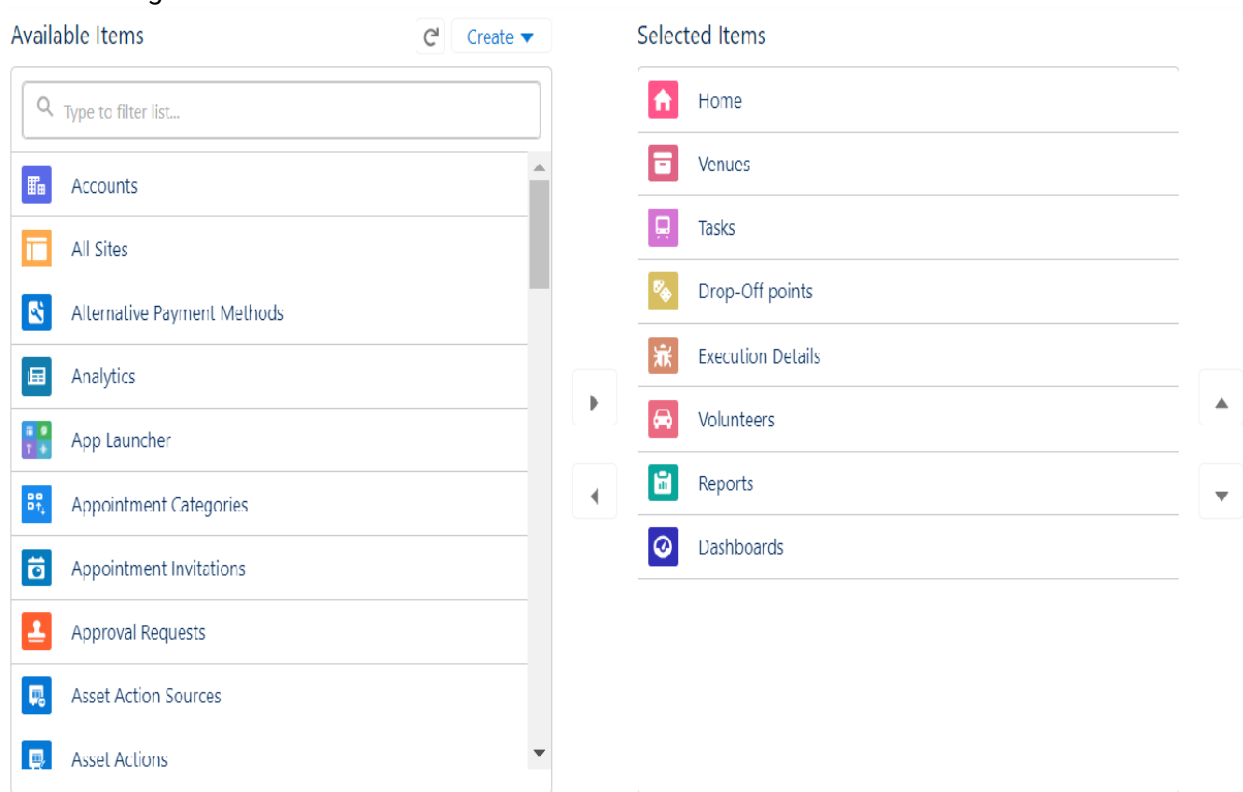
Org Theme Options
☐ Use the app's image and color instead of the org's custom theme

Next



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

5. 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.

6. To Add User Profiles:

Fields

When we talk about Salesforce, Fields represent the data stored in the columns of a relational database. It can also hold any valuable information that you require for a specific object. Hence, the overall searching, deletion, and editing of the records become simpler and quicker.

Types of Fields

1. Standard Fields
2. Custom Fields

Standard Fields:

As the name suggests, the Standard Fields are the predefined fields in Salesforce that perform a standard task. The main point is that you can't simply delete a Standard Field until it is an on required standard field. Otherwise, users have the option to delete them at any point from the application freely. Moreover, we have some fields that you will find common in every Salesforce application. They are,

1. Created By
2. Owner
3. Last Modified
4. Field Made During object Creation

Custom Fields:

On the other side of the coin, Custom Fields are highly flexible, and users can change them according to requirements. Moreover, each organizer or company can use them if necessary. It means you need not always include them in the records, unlike Standard fields. Hence, the final decision depends on the user, and he can add/remove Custom Fields of any given form.

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.

Creation of Master Detail Relationship Field on Execution Details Object :

8. Go to setup >> click on Object Manager >> type object name(Execution Details) in the search bar >> click on the object.
9. Now click on "Fields & Relationships" >> New
10. Select Master Detail relationship
11. Select the related object "Volunteer" and click next.
12. Field Name : Volunteer
13. Field label : Auto generated
14. Next >> Next >> Save.

Creation of Master Detail Relationship Field on Execution Details Object :

15. Go to setup >> click on Object Manager >> type object name(Execution Details) in the search bar >> click on the object.
16. Now click on "Fields & Relationships" >> New
17. Select Master Detail relationship

18. Select the related object "Task" and click next.
19. Field Name : Task
20. Field label : Auto generated
21. Next >> Next >> Save.

Creation of Lookup Relationship Field on Drop-Off Point Object :

22. Go to setup >> click on Object Manager >> type object name(Drop-Off Point) in the search bar >> click on the object.
23. Now click on "Fields & Relationships" >> New
24. Select Lookup relationship
25. Select the related object "Venue" and click next.
26. Field Name : Venue
27. Field label : Venue__c
28. Next >> Next >> Save.

Creation of Lookup Relationship Field on Task Object :

29. Go to setup>> click on Object Manager >> type object name(Task) in the search bar >> click on the object.
30. Now click on "Fields & Relationships" >> New
31. Select Lookup relationship
32. Select the related object "Venue" and click next.
33. Field Name : Sponsored By
34. Field label : Auto generated
35. Next >> Next >> Save.

Creation of Lookup Relationship Field on Task Object :

36. Go to setup>> click on Object Manager >> type object name(Task) in the search bar >> click on the object.
37. Now click on "Fields & Relationships" >> New
38. Select Lookup relationship
39. Select the related object "Drop-Off point" and click next.
40. Field Name : Drop-Off point

41. Field label : Auto generated.

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.

To create another fields in an 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 another fields in an 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 another 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.

The screenshot shows the Salesforce Setup interface. At the top, there's a navigation bar with 'Setup', 'Home', and 'Object Manager' (selected). A search bar contains 'Search Setup'. To the right are icons for a star, a plus, a shield, a question mark, a gear, a notification bell with '12', and a user profile. Below the navigation bar, the breadcrumb trail is 'SETUP > OBJECT MANAGER' and the object name 'Venue' is displayed. On the left is a sidebar menu with options: 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, List View Button Layout, and Restriction Rules. The main content area is titled 'Fields & Relationships' with a subtitle '8 Items, Sorted by Field Label'. It includes a 'Quick Find' search bar and buttons for 'New', 'Deleted Fields', 'Field Dependencies', and 'Set History Tracking'. A table lists the fields with columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The table contains 8 rows of field information.

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)		✓

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 another fields in an 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.

To create another fields in an object:

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

6. Now click on "Fields & Relationships" >> New
7. Select Data type as a "Picklist" and Click on Next
8. 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
Chhattisgarh
Goa
Gujarat
Haryana
Himachal Pradesh
Jharkhand
Karnataka
Kerala
Maharashtra
Madhya Pradesh
Manipur
Meghalaya
Mizoram
Nagaland
Odisha
Punjab
Rajasthan
Sikkim
Tamil Nadu
Tripura
Telangana
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)

Lakshadweep (UT)

Puducherry (UT)

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

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name(Drop-Off point) in search bar >> click on the object.
10. Now click on “Fields & Relationships” >> New
11. Select Data type as a “Number” and Click on Next
12. 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.

The screenshot shows the Salesforce Setup interface. At the top, there's a navigation bar with 'Setup', 'Home', and 'Object Manager' (selected). A search bar labeled 'Search Setup' is on the right. Below the navigation bar, the breadcrumb trail is 'SETUP > OBJECT MANAGER' and the object name 'Drop-Off Point' is displayed. The main content area is titled 'Fields & Relationships' and shows a list of 9 items, sorted by Field Label. The list includes fields like 'Created By', 'Distance', 'distance calculation', 'Drop-Off Point Name', 'Last Modified By', 'Location 2', 'Owner', 'State', and 'Venue__c'. Each row shows the field label, field name, data type, controlling field, and indexed status. The 'Distance' field is highlighted in blue.

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		
Venue__c	Venue__c	Lookup(Venue)		✓

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 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 "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 another fields in an object:

5. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
6. Now click on "Fields & Relationships" >> New
7. Select Data type as a "Picklist (Multi-Select)" and Click on Next
8. 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
Snack
 - Click on required check box
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

9. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
10. Now click on "Fields & Relationships" >> New
11. Select Data type as a "Number" and Click on Next
12. 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.

To create another fields in an object:

13. Go to setup >> click on Object Manager >> type object name(Task) in search bar >> click on the object.
14. Now click on "Fields & Relationships" >> New
15. Select Data type as a "Text" and Click on Next

16. 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 another fields in an object:

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

18. Now click on "Fields & Relationships" >> New

19. Select Data type as a "Phone" and Click on Next

20. Fill the Above as following:

- Field Label : Phone
- Field Name : Phone
- Click on Next >> Next>> Save and new.

To create another fields in an object:

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

22. Now click on "Fields & Relationships" >> New

23. Select Data type as a "Pick List" and Click on Next

24. 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:


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

26. Now click on "Fields & Relationships" >> New

27. Select Data type as a "Long Text Area" and Click on Next

28. Fill the Above as following:

- Field Label : Feedback
- Field Name : Feedback
- Click on Next >> Next >> Save and new.



Setup
 Home
 Object Manager

SETUP > OBJECT MANAGER
Task

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
 Restriction Rules
 Sharing Rules

Fields & Relationships
 14 Items, Sorted by Field Label

 New Deleted Fields Field Dependencies Set History Tracking

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 (Multi-Select)		
Last Modified By	LastModifiedById	Lookup(User)		
Name of the Person	Name_of_the_Person__c	Text(50)		
Number of People Served	Number_of_People_Served__c	Number(18, 0)		
Owner	OwnerId	Lookup(User,Group)		✓

Creation of fields for the 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.
 - 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(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 another fields in an object:

5. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
6. Now click on "Fields & Relationships" >> New
7. Select Data type as a "Date" and Click on Next
8. 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 another fields in an object:

9. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
10. Now click on "Fields & Relationships" >> New
11. Select Data type as a "Number" and Click on Next
12. 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 another fields in an object:

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

To create another fields in an object:

17. Go to setup >> click on Object Manager >> type object name(Volunteer) in search bar >> click on the object.
18. Now click on "Fields & Relationships" >> New
19. Select Data type as a "Number" and Click on Next
20. 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 another fields in an object:

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

on the object.

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

23. Select Data type as a “Text Area (Long)” and Click on Next

24. Fill the Above as following:

- Field Label : Address
- Field Name : Address
- Click on Next >> Next >> Save and new.

To create another fields in an object:

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

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

27. Select Data type as a “Date” and Click on Next

28. 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 Setup interface. At the top, there's a search bar labeled "Search Setup" and a navigation bar with "Setup", "Home", and "Object Manager". Below this, the breadcrumb trail is "SETUP > OBJECT MANAGER" and the object name "Volunteer" is displayed. The left sidebar contains a list of setup options: 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, List View Button Layout, and Restriction Rules. The main content area is titled "Fields & Relationships" and shows a table with 13 items, sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Address (Long Text Area(32768)), Age (Number(18, 0)), Available On (Date), Contact Number (Number(18, 0)), Created By (Lookup(User)), Date of Birth (Date), Drop-Off Point (Master-Detail(Drop-Off Point)), Email (Email), and Execution ID (Auto Number). The "Drop-Off Point" field is marked as indexed with a checkmark.

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)		✓
Email	Email__c	Email		
Execution ID	Execution_ID__c	Auto Number		

Creation of fields for the Execution Details 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:

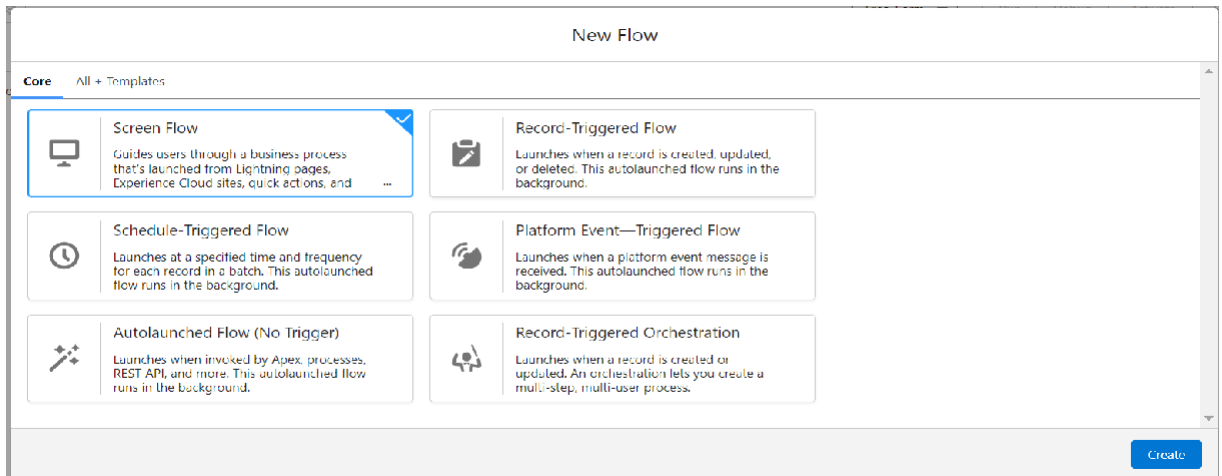
- Field Label : Execution ID
- Field Name : gets auto generated
- Click on required check box
- Click on Next >> Next >> Save and new.

The screenshot shows the Salesforce Setup interface. At the top, there's a navigation bar with 'Setup', 'Home', and 'Object Manager'. Below this, the breadcrumb trail reads 'SETUP > OBJECT MANAGER' and the page title is 'Execution Detail'. The main content area is titled 'Fields & Relationships' and shows a list of 5 items, sorted by Field Label. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The items listed are: Created By (CreatedBy, Lookup(User)), Execution Detail Name (Name, Text(80)), Last Modified By (LastModifiedById, Lookup(User)), Task (Task_c, Master-Detail(Task)), and Volunteer (Volunteer_c, Master-Detail(Volunteer)).

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	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)		✓

Create Flow to create a record in Venue object

1. Go to setup >> type Flow in quick find box >> Click on the Flow and Select the New Flow.
2. Select the Screen flow. Click on create.



3. Click on the '+' icon in between start and end, and click on screen element.
4. Under the Screen Properties:
Label : Venue Details
API Name : Venue_Details
5. Now lets add components in this flow. Click on Text Component and name it as:
Label : Venue Name
API Name : Venue_Name
6. Click on Email Component and name it as:
Label : Email
API Name : Contact_Email
7. Click on Phone Component and name it as:
Label : Phone
API Name : Contact_Phone
8. Click on Text Component and name it as:
Label : Venue Location
API Name : Venue_Location
9. Click on Number Component and name it as:
Label : Latitude
API Name : Latitude
10. Click on Number Component and name it as:
Label : longitude

API Name : longitude

11. Next click on Done. This would look like below

12. Click on the '+' icon in between Venue details and end, and click on create record element.

13. Now label it as

Label : Create Venue Record

API Name : Create_Venue_Record

How Many Records to Create : One

How to Set the Record Fields : Use separate resources, and literal values

Object : Venue

Set Field Values for the Venue : Click on 'Add Field' 5 times

Field : Value = Contact_Email__c : {!Contact_Email.value}

Field : Value = Contact_Phone__c : {!Contact_Phone.value}

Field : Value = Name : {!Venue_Name}

Field : Value = Venue_Location__c : {!location}

Field : Value = Location_Latitude__s : {!latitude}

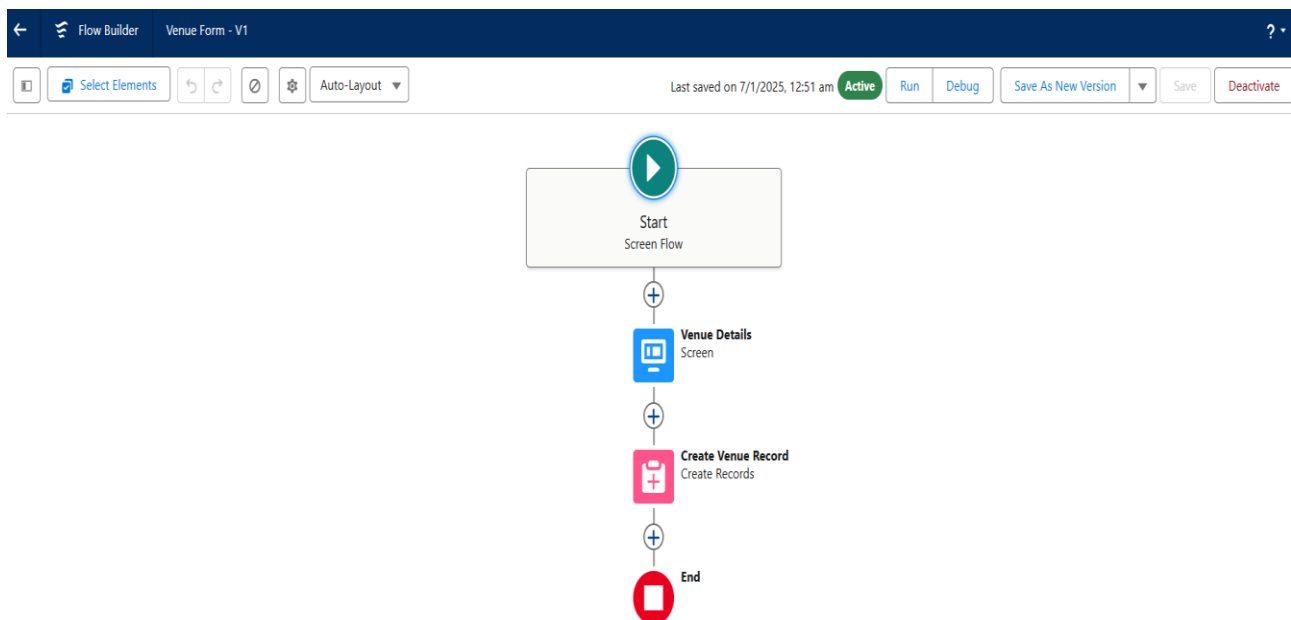
Field : Value = Location_Longitude__s : {!longitude}

14. This would look like:

15. Click on Save as:

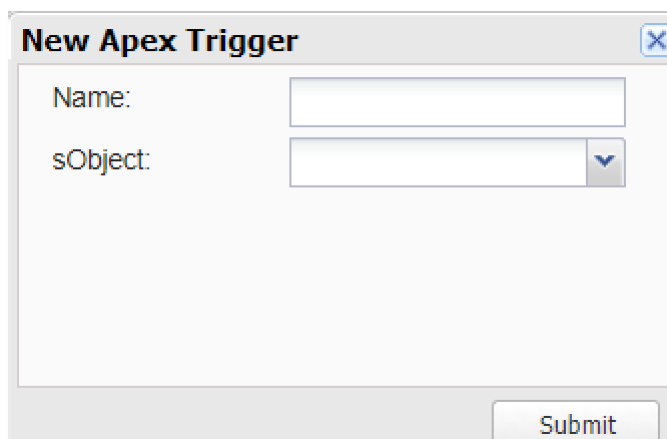
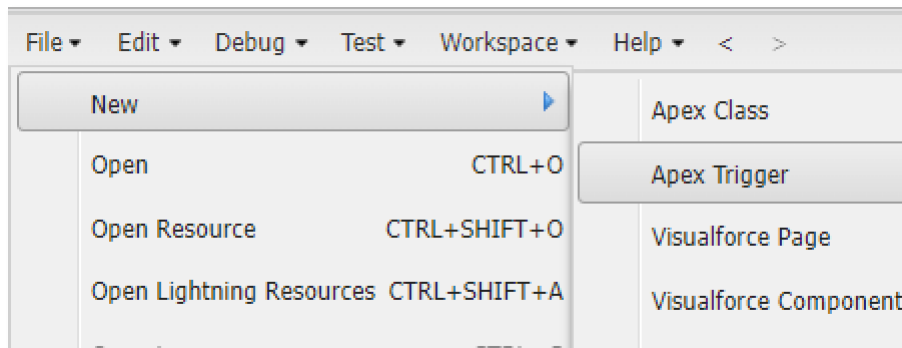
Flow Label : Venue Form

Flow API Name : Venue_Form



Create a Trigger

1. Log into the trailhead account, navigate to the gear icon in the top right corner.
2. Click on developer console and you will be navigated to a new console window.
3. Click on the File menu in the toolbar, and click on new >> Trigger.
4. Enter the trigger name and the object to be triggered.

A screenshot of the 'New Apex Trigger' dialog box. It has a title bar with a close button. Inside, there are two input fields: 'Name:' and 'sObject:'. The 'Name' field is empty, and the 'sObject' field has a dropdown arrow. At the bottom right, there is a 'Submit' button.

5. Enter Name : DropOffTrigger
sObject: Drop-Off Point
6. Click on Submit.

Trigger Code:

```
trigger DropOffTrigger on Drop_Off_point__c (before insert) {  
  for(Drop_Off_point__c Drop : Trigger.new){  
    Drop.Distance__c = Drop.distance_calculation__c;  
  }  
}
```

Profiles

A profile is a group/collection of settings and permissions that define what a user can do in salesforce. Profile controls "Object permissions, Field permissions, User permissions, Tab settings, App settings, Apex class access, Visual force page access, Page layouts, Record Types, Login hours & Login IP ranges. You can define profiles by the user's job function. For

example System Administrator, Developer, Sales Representative.

1. Go to setup page >> type Profiles in Quick Find bar >> click on Profiles >> click on 'S'
2. Click on Clone beside Standard Platform User.
3. Under Clone Profile:

Profile Name : NGOs Profile

Then click on Save

The screenshot shows the Salesforce Setup interface. At the top, there's a search bar labeled "Search Setup" and a navigation bar with "Setup", "Home", and "Object Manager". The left sidebar shows a search for "profiles" and a list of users with "Profiles" highlighted. The main content area is titled "Profiles" and shows a table of existing profiles. The table has columns for "Action", "Profile Name", "User License", and "Custom". The first row is "Salesforce API Only System Integrations" with a "Salesforce Integration" license and a checked "Custom" box. Other profiles include "Silver Partner User", "Solution Manager", "Standard Platform User", "Standard User", and "System Administrator", all with "Salesforce" licenses and unchecked "Custom" boxes. A "New Profile" button is visible at the top left of the table.

Action	Profile Name	User License	Custom
Edit Delete Create New View	Salesforce API Only System Integrations	Salesforce Integration	<input checked="" type="checkbox"/>
Edit Clone	Silver Partner User	Silver Partner	<input type="checkbox"/>
Edit Clone	Solution Manager	Salesforce	<input type="checkbox"/>
Edit Clone	Standard Platform User	Salesforce Platform	<input type="checkbox"/>
Edit Clone	Standard User	Salesforce	<input type="checkbox"/>
Edit Clone	System Administrator	Salesforce	<input type="checkbox"/>

Creation of Users

In our Project we consider them as NGO's

Creation of User1

1. Go to setup page >> type users in Quick Find bar >> click on users>> New user.
2. In General Information give details as: (Note : create users as per your wish NGO's)

First Name : Iksha Foundation

Last Name : Iksha_Foundation

Alias : iiksh

Email : Give Your Email

Username : ikshafoundation@sb.com (give the username different)

Nickname : Auto Populated

User License : Salesforce Platform

Profile : NGOs Profile

Active : Check

3. Click on Save

The screenshot shows the Salesforce Setup interface. On the left, the 'Setup' menu is open, and 'Users' is selected under 'User Management Settings'. The main content area displays the 'User Edit' form for a user named 'Iksha Foundation Iksha_Foundation'. The form is divided into two columns. The left column contains 'General Information' fields: First Name (Iksha Foundation), Last Name (Iksha_Foundation), Alias (iiksh), Email (322103311021@gvpce.ac.i), Username (ikshafoundation8790@sb.o), Nickname (User173618701936993478), Title, Company, Department, and Division. The right column contains 'User Information' fields: Role (<None Specified>), User License (Salesforce Platform), Profile (NGOs Profile), Active (checked), Marketing User (unchecked), Offline User (unchecked), Knowledge User (unchecked), Flow User (unchecked), Service Cloud User (unchecked), Site.com Contributor User (unchecked), Site.com Publisher User (unchecked), WDC User (unchecked), Data.com User Type (--None--), Data.com Monthly Addition Limit (300), and Accessibility Mode (Classic Only) (Off). The 'Save' button is visible at the top of the form.

Give Different First Name, Last Name based on Different NGO's.

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

Creation of Public Group

1. Go to setup page >> type Public Groups in Quick Find bar >> click on Public Groups >> click on New.
2. Under Group Information:
Label : Iksha
Group Name : Iksha
Grant Access Using Hierarchies : Check
3. In Search, Select Users.
4. In Selected Members Add Iksha Foundation and System Administrator
5. Do the same for remaining two NGO's

New				
Action	Label *	Group Name	Created By	Created Date
Edit Del	<u>Iksha</u>	<u>Iksha</u>	<u>KISHORE_JAMI</u>	06/01/2025, 11:50 pm
Edit Del	<u>jami</u>	<u>jami</u>	<u>KISHORE_JAMI</u>	06/01/2025, 11:53 pm
Edit Del	<u>NSS</u>	<u>NSS</u>	<u>KISHORE_JAMI</u>	06/01/2025, 11:52 pm

Creation of Report Types

Go to setup page >> type Report Types in Quick Find bar >> click on Report Types >> click on Continue >> Click on New Custom Report Type.

1. In Define the Custom Report Type:
 - Primary Object : Select Venues
 - Report Type Label : Venue with DropOff with Volunteer
 - Report Type Name : Venue_with_DropOff_with_Volunteer
 - Description : Venue with DropOff with Volunteer
 - Store in Category : Select Other Reports
 - Deployment Status : Deployed
2. Click on Next
3. Near Click to relate another Object Select Drop-Off Points.
4. And also select "A" records may or may not have related "B" records.
5. Now again Near Click to relate another Object Select Volunteers.
6. Now click on Save.

Creation of Report on Venue with DropOff with Volunteer

1. Go to the app(FoodConnect) >> click on the reports tab
2. Click on New Folder.
 - Folder Label : Custom Reports
 - Folder Unique Name : CustomReports
3. Open Custom Reports and click on New Report
4. Select Report Type : Venue with DropOff with Volunteer
5. Then click on Start Report.
6. In GROUP ROWS : Add Volunteer Name
7. In Columns : Add Venue Name, Drop-Off point Name, Distance.

The screenshot shows the FoodConnect Reports interface. The top navigation bar includes Home, Tasks, Venues, Drop-Off Points, Execution Details, Volunteers, Reports, and Dashboards. The Reports tab is selected, and the report titled 'Volunteer Task' is displayed. The report is a table with the following columns: Volunteer: Volunteer ID, Volunteer: Volunteer Name, Task: Task Name, Execution Detail: Execution Detail Name, Task: Owner Name, Date, and Rating. The table contains three rows of data, each with a subtotal and a total of 3.

Volunteer: Volunteer ID	Volunteer: Volunteer Name	Task: Task Name	Execution Detail: Execution Detail Name	Task: Owner Name	Date	Rating
1 (1)	xyz	Delivery	EX	JAMI KISHORE	16/01/2025	-
Subtotal						
2 (1)	hadf	cooking	jios	JAMI KISHORE	16/01/2025	-
Subtotal						
3 (1)	rani	clean	abc	JAMI KISHORE	17/01/2025	-
Subtotal						
Total (3)						

8. Now click on Save & Run.
9. Give Label as :
10. Report Name : venue and Drop Off point
11. Report Unique Name : Auto Populated
12. Click on Select Folder and select Custom Report, then click on Save.

Creation of Report on Volunteers with Execution Details and Tasks

1. Go to the app(FoodConnect) >> click on the reports tab
2. Click on Custom Reports Folder and click on New Report
3. Select Report Type : Volunteers with Execution Details and Tasks.
4. Then click on Start Report.
5. In GROUP ROWS : Volunteer ID
6. In Columns : Add Volunteer : Volunteer Name, Task : Task Name, Execution Detail : Execution Detail Name, Volunteer: Owner Name, Task: Date, Task : Rating.

7. Now click on Save & Run.

8. Give Label as :

Report Name : Volunteer Task

Report Unique Name : Auto Populated

Click on Select Folder and select Custom Report, then click on Save.

The screenshot displays the FoodConnect application interface. At the top, there is a navigation bar with the FoodConnect logo, a search bar, and a menu with options: Home, Tasks, Venues, Drop-Off Points, Execution Details, Volunteers, Reports (selected), and Dashboards. Below the navigation bar, the 'REPORT' section is active, showing 'Volunteer Task' and 'Tasks with Execution Details and Volunteers'. A sidebar on the left contains 'Outline', 'Filters', 'Groups', and 'Columns' sections. The main area shows a table with columns: Volunteer: Volunteer ID, Volunteer: Volunteer Name, Task: Task Name, Execution Detail: Execution Detail Name, Task: Owner Name, Date, and Rating. The table contains three rows of data and a 'Total' row. A message at the top of the table states: 'Previewing a limited number of records. Run the report to see everything.'

Volunteer: Volunteer ID	Volunteer: Volunteer Name	Task: Task Name	Execution Detail: Execution Detail Name	Task: Owner Name	Date	Rating
1 (1)	xyz	Delivery	EX	JAMI KISHORE	16/01/2025	-
Subtotal						
2 (1)	hadf	cooking	ijos	JAMI KISHORE	16/01/2025	-
Subtotal						
3 (1)	rani	clean	abc	JAMI KISHORE	17/01/2025	-
Subtotal						
Total (3)						

Adding venue and Drop Off point Report to the Dashboard

1. Go to the app(FoodConnect) >> click on the Dashboards tab.
2. Click on New Folder.

Folder Label : Custom Dashboards

Folder Unique Name : Auto Populated

3. Open Custom Dashboards and click on New Dashboards
4. Name : Organization Details
5. Click on Widget and select Chart or Table
6. In Select Report : Select venue and Drop Off point Report.
7. Then click on select
8. In Add Component:

Display As : Select Lightning Table











Component Theme : Select Dark (Optional)

Report

venue and Drop Off point

☐ Use chart settings from report

Display As

Groups

Add group...

Columns

Preview

venue and Drop Off point

Venue Name ↑	Drop-Off point Name	Distance
La Royale Banquet Hall.	Shapur	5.1161
La Royale Banquet Hall.	Jeedimetla	6.9030k
Paradise Garden Function Hall	Suraram Village	28.2332
Ujwala Grand	-	-

View Report (venue and Drop Off point)

Now click on save.

Adding Volunteer Task Report to the Dashboard












1. Click on Widget and select Chart or Table
2. In Select Report : Select Volunteer Task Report.
3. Then click on select
4. In Add Component:
 - Display As : Select Line Chart
 - Component Theme : Select Dark (Optional)

Report

Volunteer Task

☐ Use chart settings from report

Display As

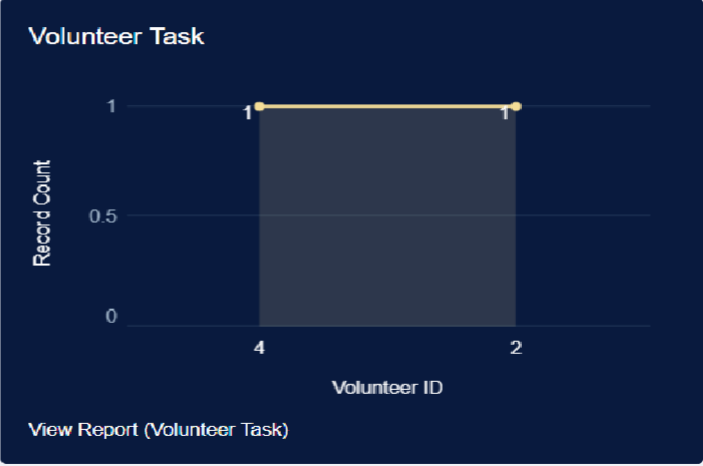
X-Axis

Volunteer ID

Y-Axis

Preview

Volunteer Task



View Report (Volunteer Task)

Now click on save.

Adding a Picture to the Dashboard (Optional)

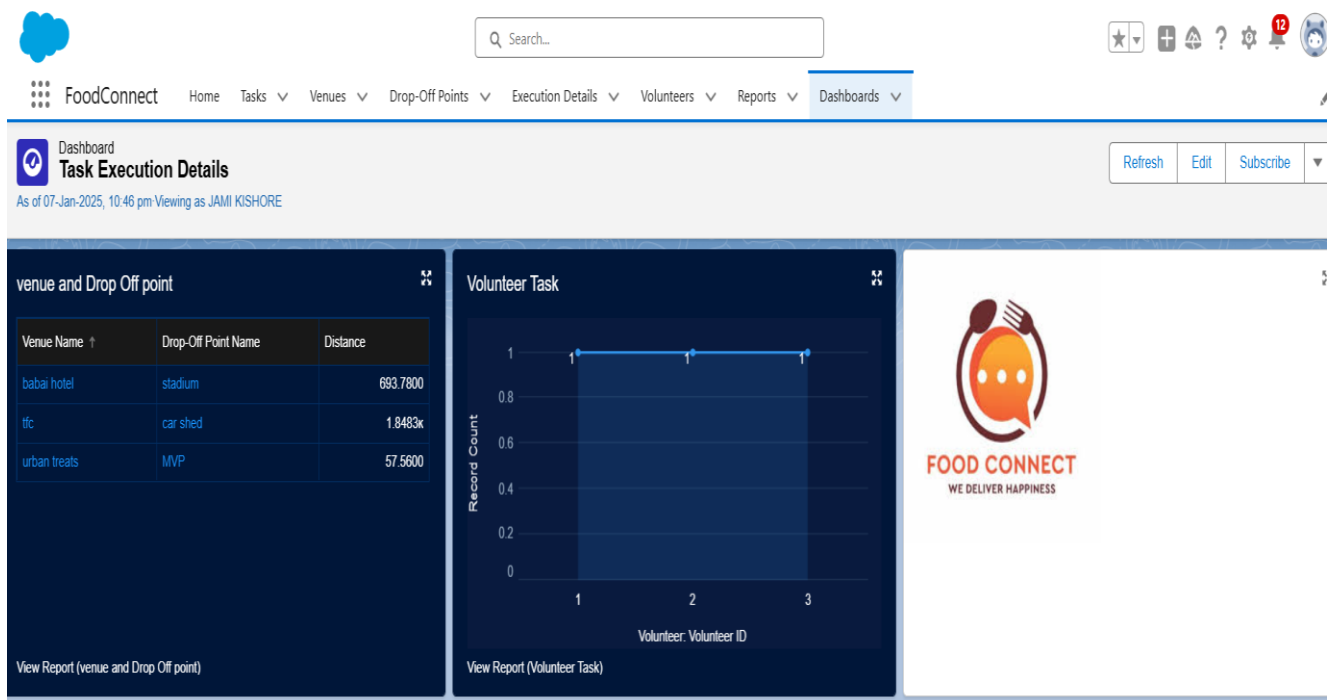
(Note : To upload an image into the Dashboard, we have to first download an image from google or other sources into your system)

1. Click on Widget and select Image. Then click on Browse Files.
2. Then Select the Picture you want to upload in this Dashboard.
3. Then click on Save As :

Name : Task Execution Details

Click on Select Folder and select Custom Dashboards

4. Click on Select Folder and then Save.



Creation of sharing rules

1. Go to setup >> type Sharing Settings in quick find box >> Click on the Sharing Settings.
2. Scroll down and find Drop-Off point Sharing Rules.
3. Click on new near Drop-Off point Sharing Rules and Name it as:

Label : Rule 1

Rule Name : Rule_1

4. Select your rule type : Select Based on criteria.
5. Select which records to be shared:
Field : Operator : Value = Distance : less than : 15
6. Select the users to share with : Near Share With
Public Groups : Iksha
7. Click on Save.

8. Click on new near Drop-Off point Sharing Rules and Name it as:

Label : Rule 2

Rule Name : Rule_2

9. Select your rule type : Select Based on criteria.

10. Select which records to be shared:

Field : Operator : Value = Distance : greater than : 15

Field : Operator : Value = Distance : less or equal : 30

11. Select the users to share with : Near Share With

Public Groups : NSS

12. Click on Save.

13. Click on new near Drop-Off point Sharing Rules and Name it as:

Label : Rule 3

Rule Name : Rule_3

14. Select your rule type : Select Based on criteria.

15. Select which records to be shared:

Field : Operator : Value = Distance : greater than : 30

Field : Operator : Value = Distance : less or equal : 50

16. Select the users to share with : Near Share With

Public Groups : Street Cause

17. Click on Save.

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/Write	
Edit Del	(Drop-Off Point: Distance GREATER THAN 30) AND (Drop-Off Point: Distance LESS OR EQUAL 50)	Group: jami		Read/Write	
Edit Del	(Drop-Off Point: Distance GREATER THAN 15) AND (Drop-Off Point: Distance LESS OR EQUAL 30)	Group: NSS		Read/Write	

Creation of Home Page

1. Go to setup >> type Lightning App Builder in quick find box >> Click on the Lightning App Builder and Select the New.

2. Select Home Page and give Label as HOME Page.

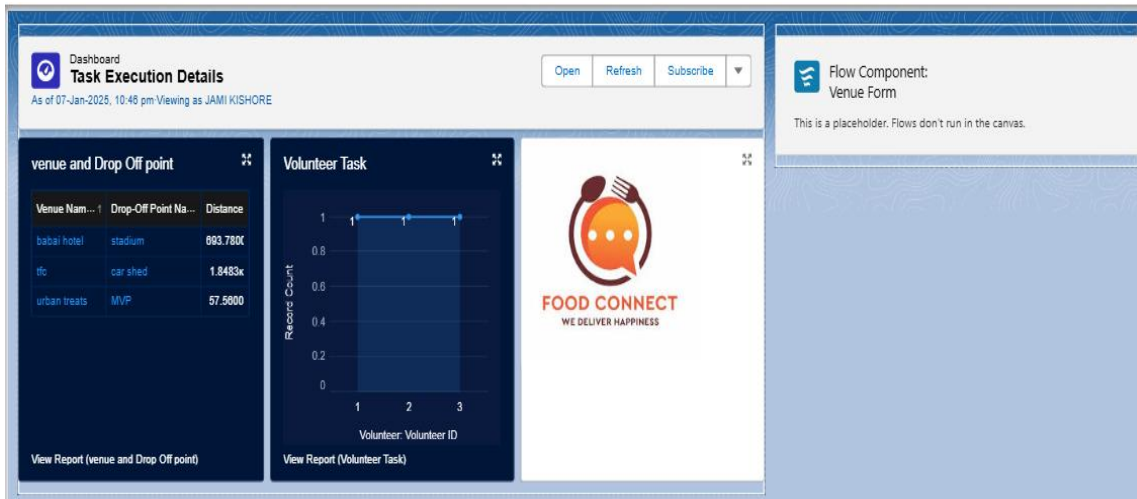
3. Select Standard Home Page.

4. Near Components search for Flow and Drag and Drop in Right Side Section..

5. On the right hand side:

Flow : Venue Flow

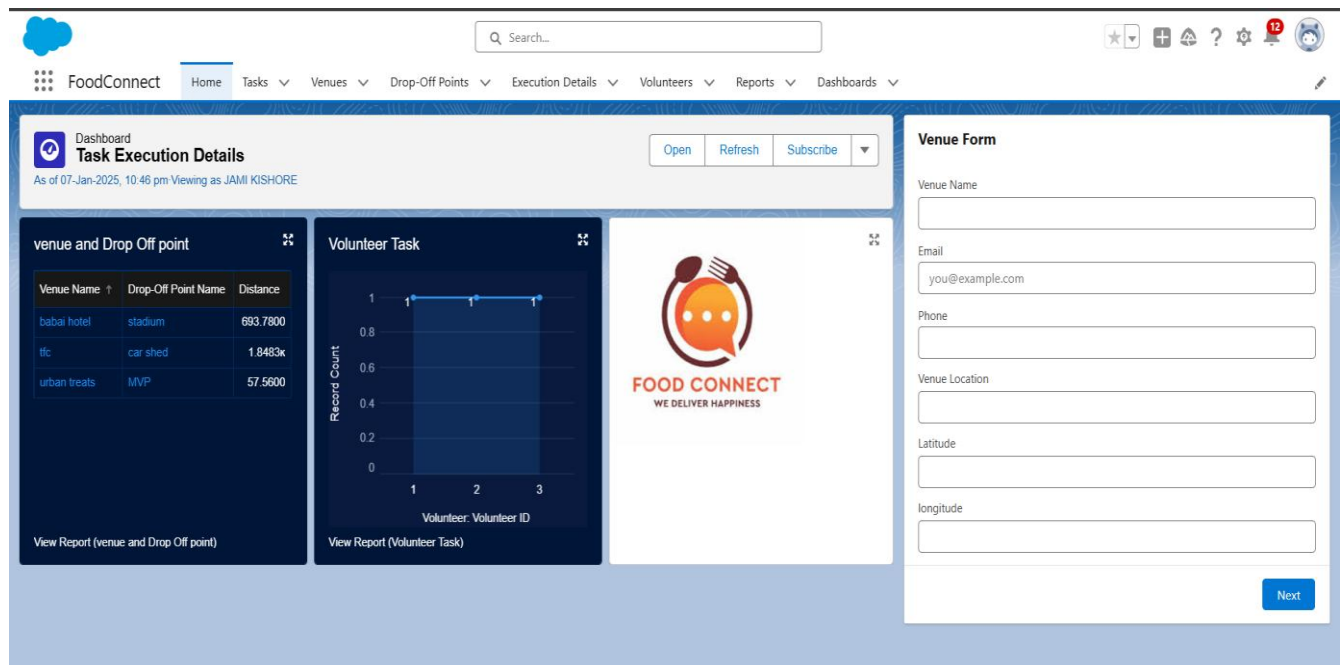
6. Near Components search for Dashboard, then Drag and Drop it in first Section.



7. Click on Save and Activation, then click on App Default, then Add Assignments.

8. Add FoodConnect App and then Save.

9. FoodConnect Home Page would Look Like this.



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 resources.