



To Supply Leftover Food to Poor

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Trailhead url: <https://www.salesforce.com/trailblazer/atb5eywa34bvu325t9>

Project Title: To Supply Leftover Food to Poor

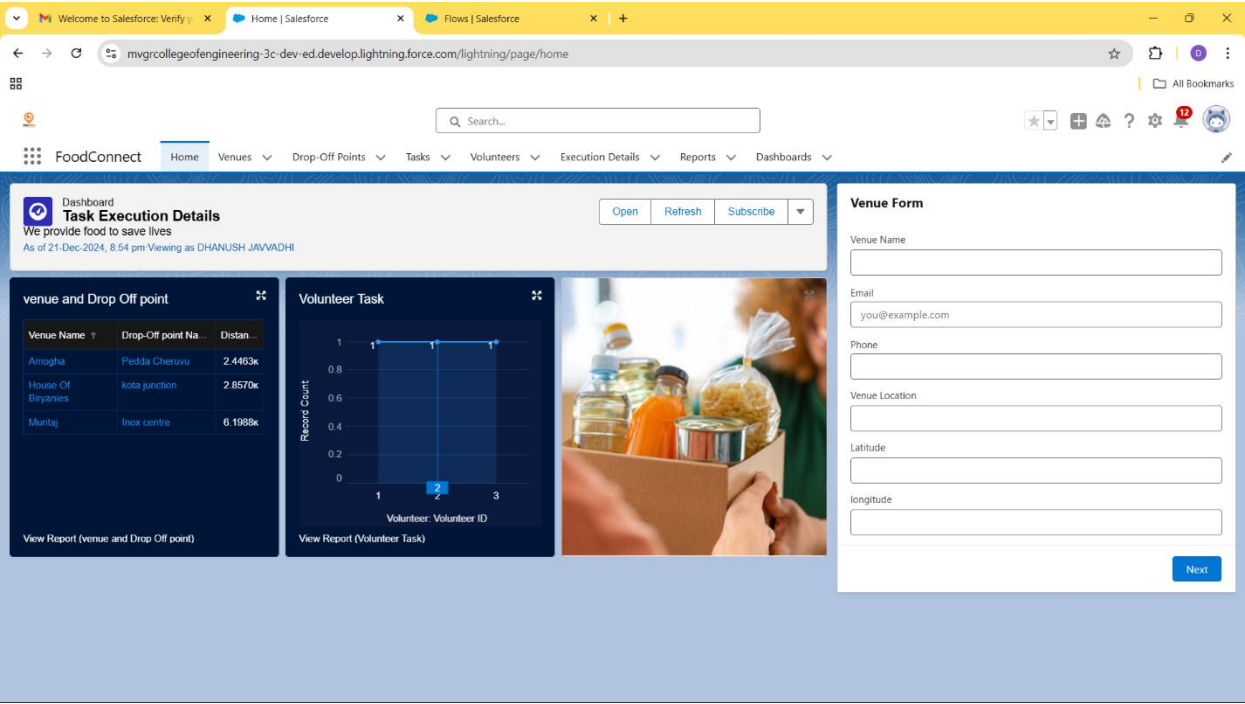
Category: Salesforce

Skills Required: Salesforce Developer

1. Project Overview

This section summarizes the purpose and scope of your project. It explains what your project aims to achieve:

- **Goal:** To streamline the process of leftover food distribution using Salesforce.
- **Impact:** Reducing food waste and addressing hunger by efficiently managing food drop-off points, tasks, and volunteers.
- **Technology:** Salesforce provides the tools to manage records, workflows, and data visualization, making the process seamless.



2. Objectives

Defines measurable and actionable goals for the project.

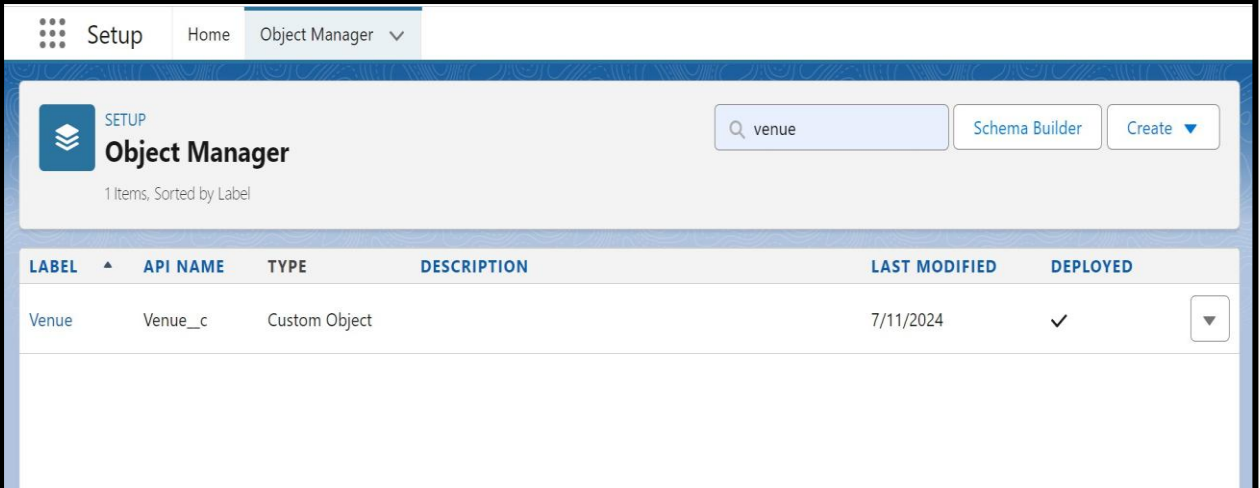
Business Goals:

- What organizational or societal issue the project addresses (e.g., food waste, hunger).
- How the project will improve operations, transparency, or accountability.

Specific Outcomes:

- These are tangible deliverables (e.g., custom objects, reports, flows) created during the project.

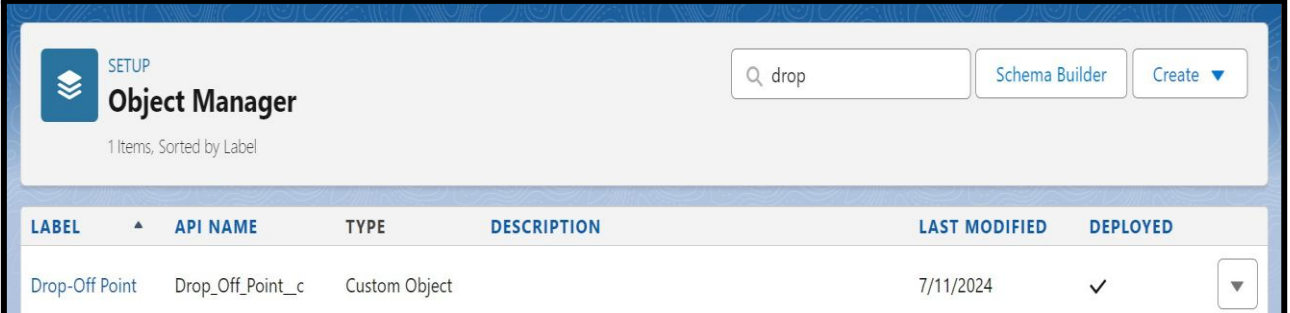
Created Venue Object



The screenshot shows the 'Object Manager' interface. At the top, there are tabs for 'Setup', 'Home', and 'Object Manager'. Below the tabs, there is a search bar with the text 'venue', a 'Schema Builder' button, and a 'Create' button with a dropdown arrow. The main content area displays a table with the following columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. The table contains one row for the 'Venue' object, which is a 'Custom Object' created on 7/11/2024 and is deployed (indicated by a checkmark). A dropdown arrow is visible at the end of the row.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Venue	Venue__c	Custom Object		7/11/2024	✓

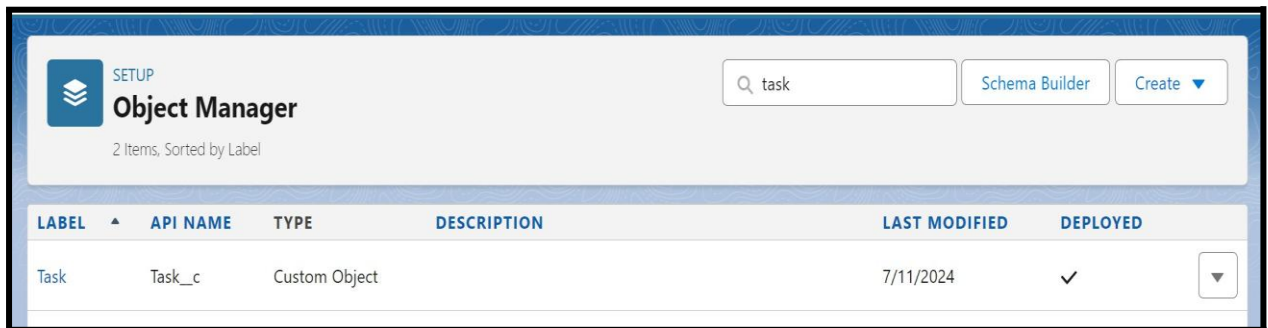
Created Drop-Off Point Object



The screenshot shows the 'Object Manager' interface. At the top, there are tabs for 'Setup', 'Home', and 'Object Manager'. Below the tabs, there is a search bar with the text 'drop', a 'Schema Builder' button, and a 'Create' button with a dropdown arrow. The main content area displays a table with the following columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. The table contains one row for the 'Drop-Off Point' object, which is a 'Custom Object' created on 7/11/2024 and is deployed (indicated by a checkmark). A dropdown arrow is visible at the end of the row.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Drop-Off Point	Drop_Off_Point__c	Custom Object		7/11/2024	✓

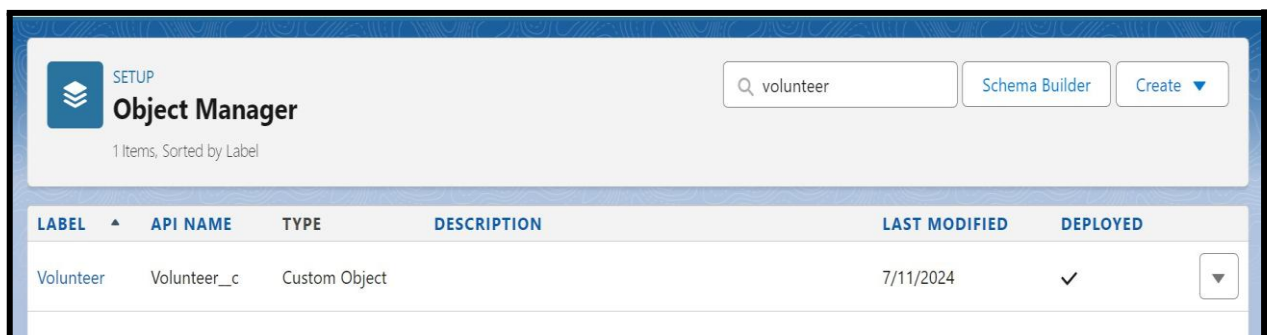
Created Task Object



The screenshot shows the Salesforce Object Manager interface. At the top, there's a header with the 'Object Manager' title and a sub-header '2 Items, Sorted by Label'. A search bar contains the text 'task'. To the right are buttons for 'Schema Builder' and 'Create'. Below the header is a table with columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. The table contains one row for the 'Task' object, which is a 'Custom Object' last modified on '7/11/2024' and is 'DEPLOYED' (indicated by a checkmark). A dropdown arrow is visible at the end of the row.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Task	Task_c	Custom Object		7/11/2024	✓

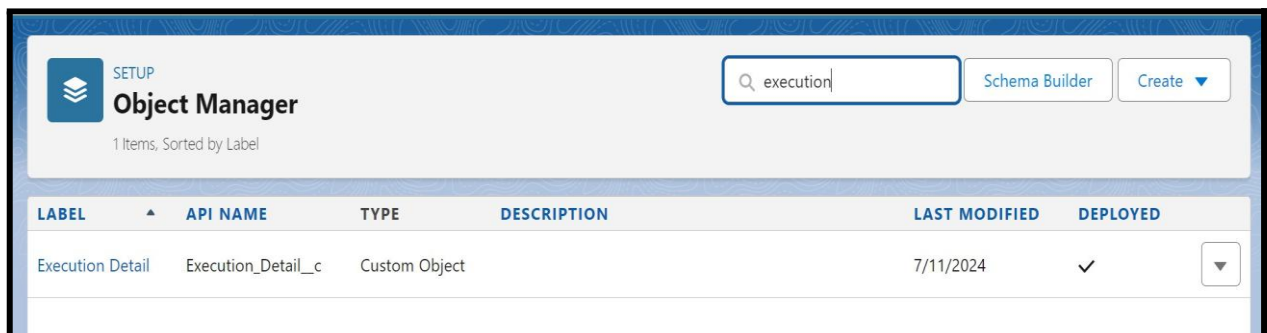
Created Volunteer Object



The screenshot shows the Salesforce Object Manager interface. At the top, there's a header with the 'Object Manager' title and a sub-header '1 Items, Sorted by Label'. A search bar contains the text 'volunteer'. To the right are buttons for 'Schema Builder' and 'Create'. Below the header is a table with columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. The table contains one row for the 'Volunteer' object, which is a 'Custom Object' last modified on '7/11/2024' and is 'DEPLOYED' (indicated by a checkmark). A dropdown arrow is visible at the end of the row.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Volunteer	Volunteer_c	Custom Object		7/11/2024	✓

Created Execution Details Object



The screenshot shows the Salesforce Object Manager interface. At the top, there's a header with the 'Object Manager' title and a sub-header '1 Items, Sorted by Label'. A search bar contains the text 'execution'. To the right are buttons for 'Schema Builder' and 'Create'. Below the header is a table with columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. The table contains one row for the 'Execution Detail' object, which is a 'Custom Object' last modified on '7/11/2024' and is 'DEPLOYED' (indicated by a checkmark). A dropdown arrow is visible at the end of the row.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Execution Detail	Execution_Detail_c	Custom Object		7/11/2024	✓

3. Salesforce Key Features and Concepts Utilized

Custom Objects:

These are specific data structures you create in Salesforce to store information. For your project:

- **Drop-Off Points:** Records details of food collection locations.

- **Tasks:** Tracks what needs to be done and who is responsible.
- **Volunteers:** Manages contact information and task assignments.
- **Execution Details:** Links volunteers and tasks for each food distribution.

Relationships:

Defines how these objects interact with each other:

- **Master-Detail Relationship:** A strict relationship where a child object (e.g., Execution Detail) depends on its parent (Volunteer or Task).
- **Lookup Relationship:** A more flexible connection, such as Drop-Off Points being associated with Venues.

Sharing Rules:

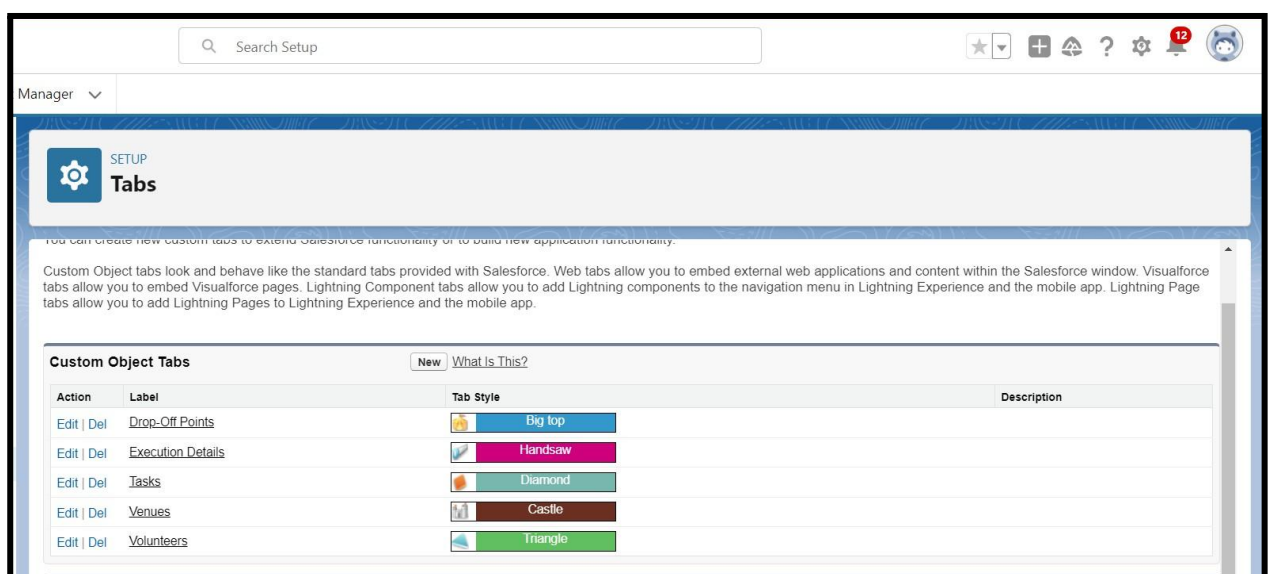
These control who can view or edit records. Your project uses criteria-based sharing (e.g., by distance).

Flows and Dashboards:

- **Flow:** Automates data entry and processes, like recording venue details.
- **Dashboards:** Summarize and visualize key metrics, such as the number of drop-offs or task completion rates.

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

Custom Tabs



4. Detailed Steps to Solution Design

Describes how the solution was built, step-by-step:

Custom Object Creation:

- Each object (like Drop-Off Point or Volunteer) was created in Salesforce's Object Manager, with specific fields and relationships defined.

Sharing Rules:

- Configured in Sharing Settings to ensure the right people (Iksha, NSS, etc.) have access based on distance.

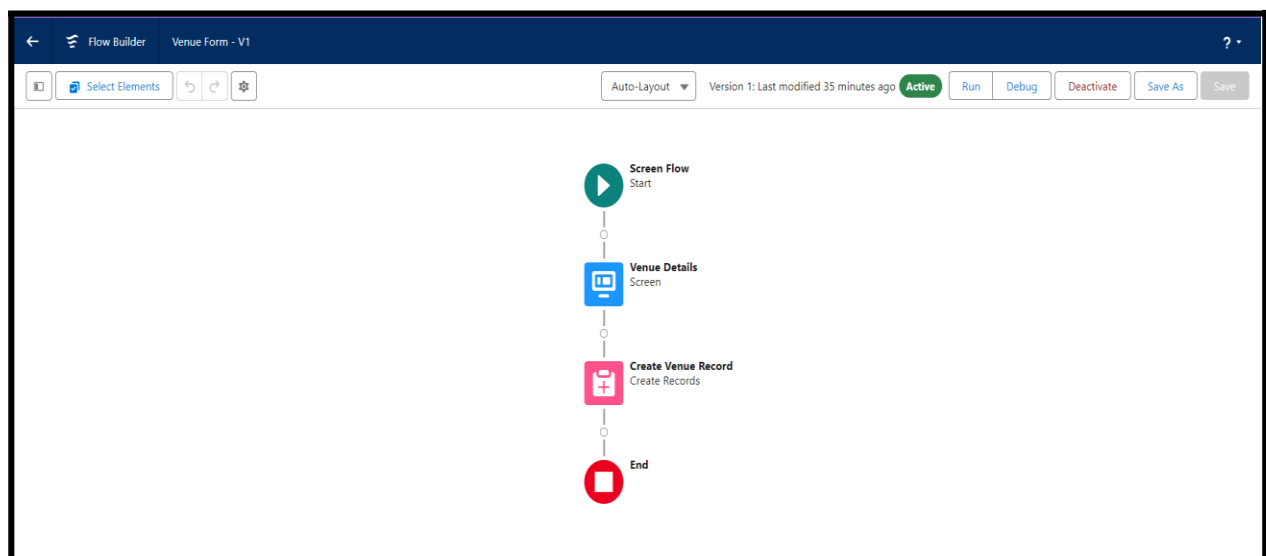
Lightning App Builder Configuration:

- Created a "Home Page" that includes flows and dashboards for easier navigation.

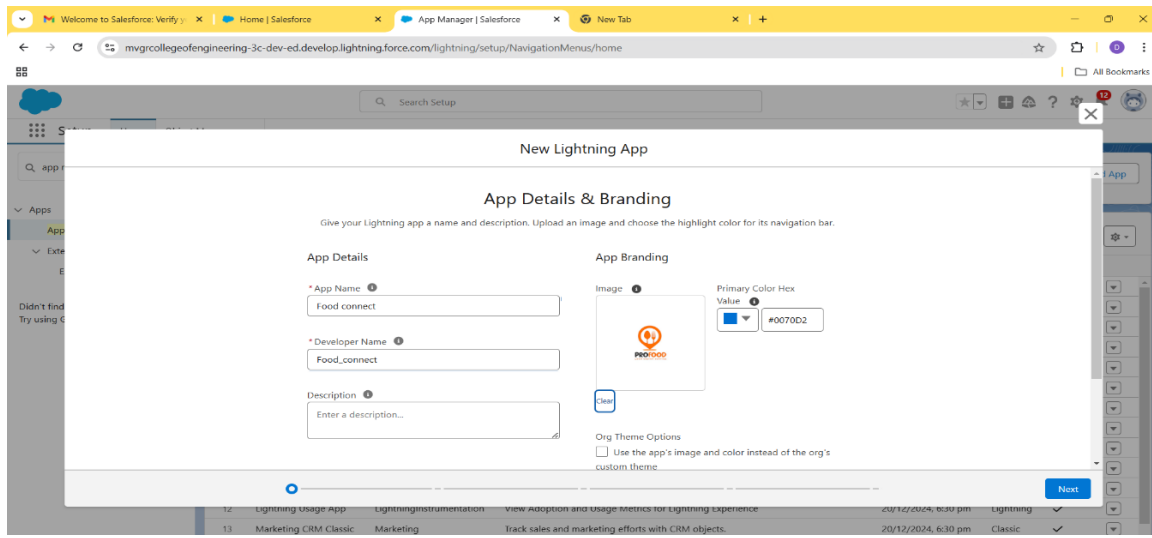
Report Types and Dashboards:

- Custom reports link different objects for analysis, and dashboards present this data in an easy-to-understand format.

Flows Diagram



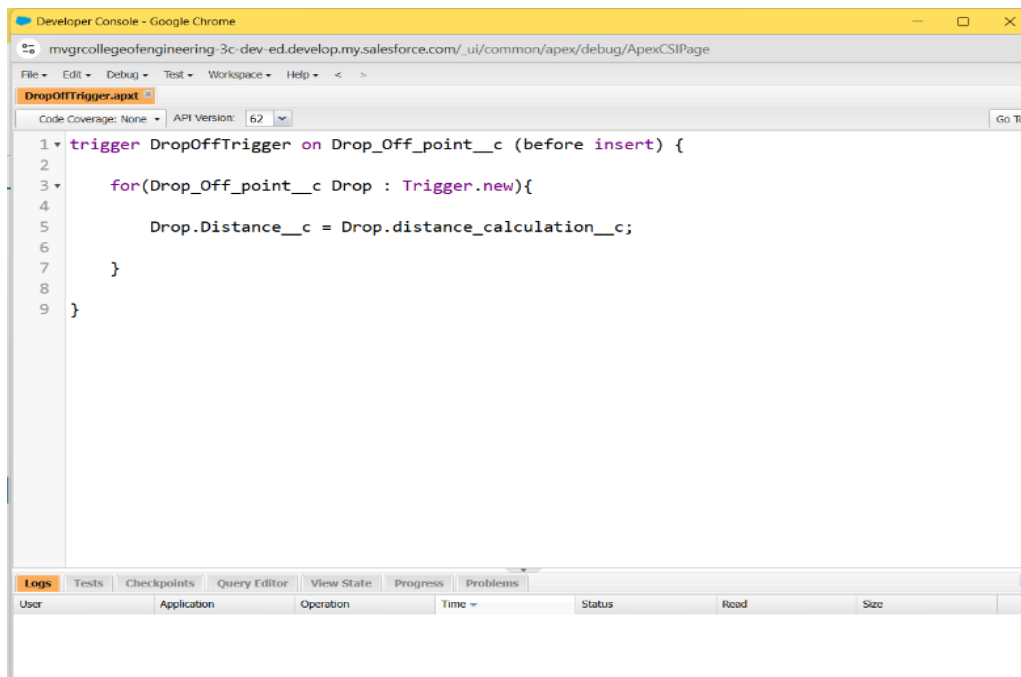
Created A Lightning App

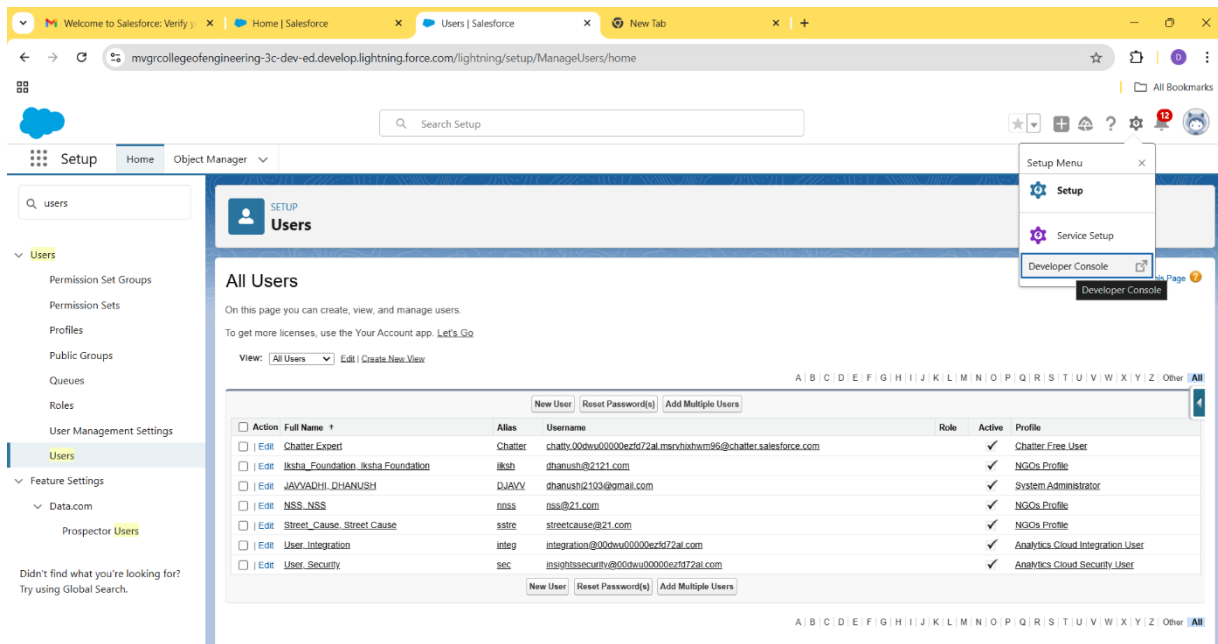


5. Testing and Validation

Ensures that the system works as intended:

- **Unit Testing:** Verifies that each component (e.g., Apex triggers, workflows) operates correctly.
- **UI Testing:** Checks the user interface for errors or usability issues.



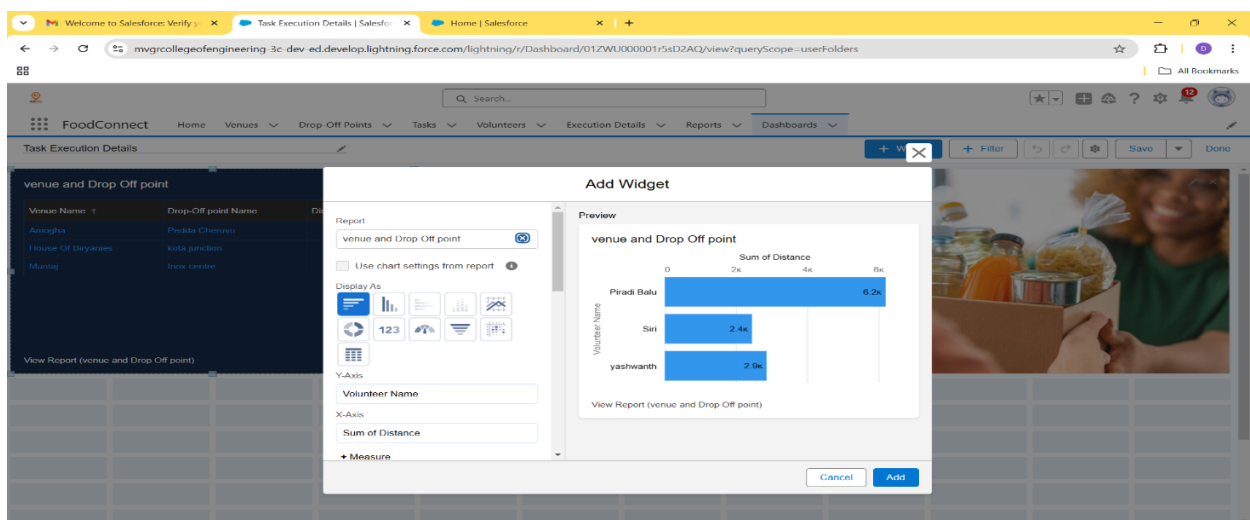


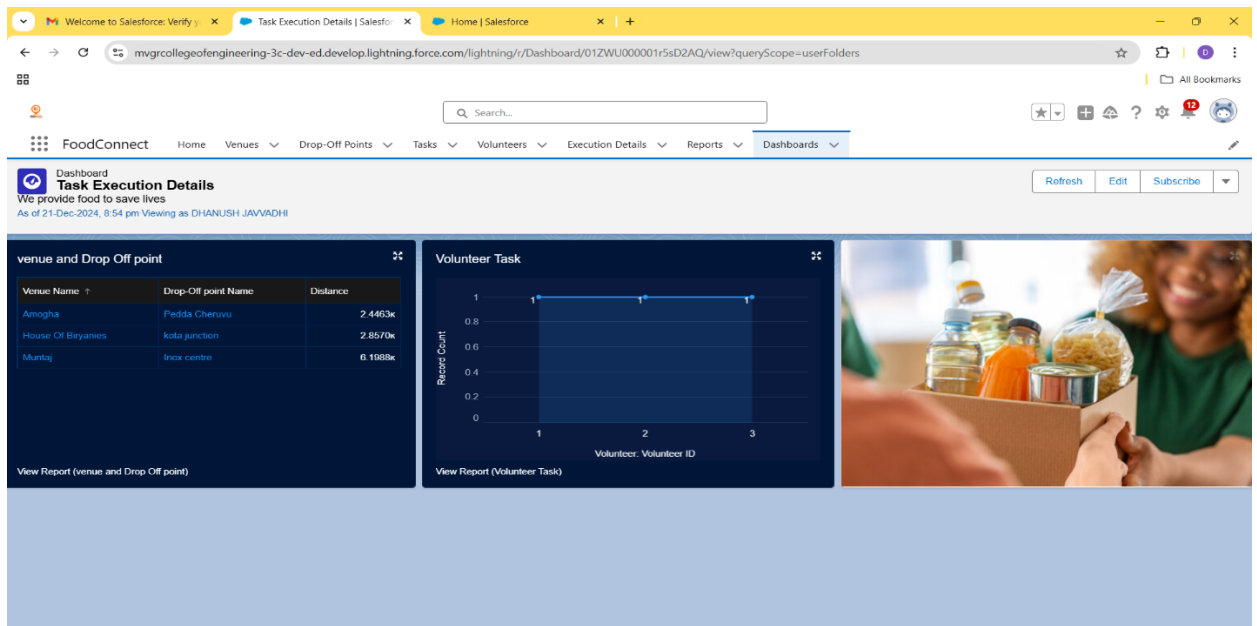
6. Key Scenarios Addressed by Salesforce

This is a use-case analysis showing how the project addresses real-world challenges:

- **Food Distribution Coordination:** Tracks where food is dropped off and which tasks are related.
- **Volunteer Management:** Links tasks to specific volunteers for accountability.
- **Data Visibility:** Dashboards and reports provide insights into operations, helping improve decision-making.

Adding Venue and Drop Off Point Report to The Dashboard





Recent Dashboards

2 items

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Task Execution Details	We provide food to save lives	Custom Dashboards	DHANUSH JAVVADHI	21/12/2024, 11:48 am	<input type="checkbox"/>
Created by Me	Organization Details	We provide food to save lives	Custom Dashboards	DHANUSH JAVVADHI	21/12/2024, 11:07 am	<input type="checkbox"/>

Private Dashboards

All Dashboards

FOLDERS

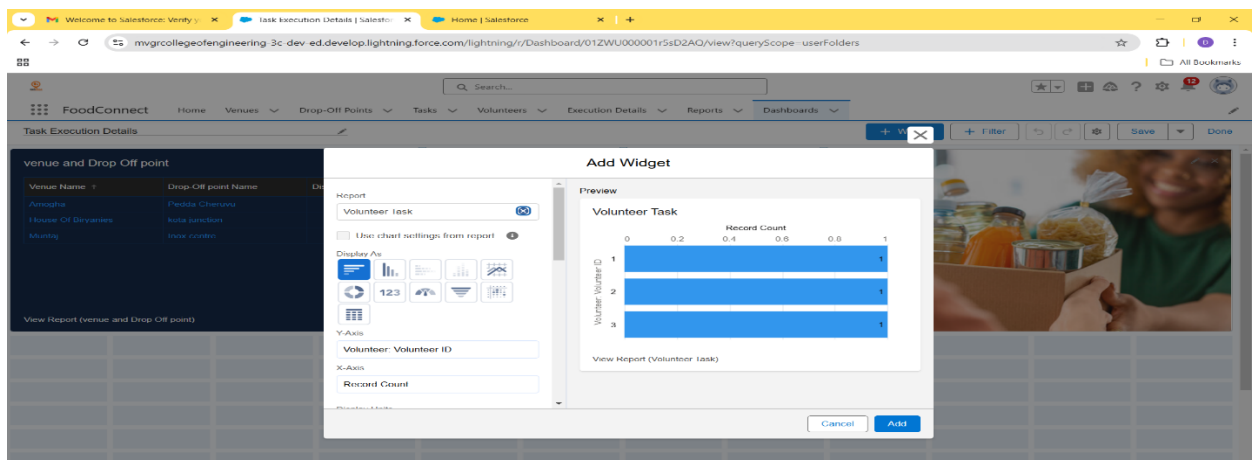
All Folders

Created by Me

Shared with Me

FAVORITES

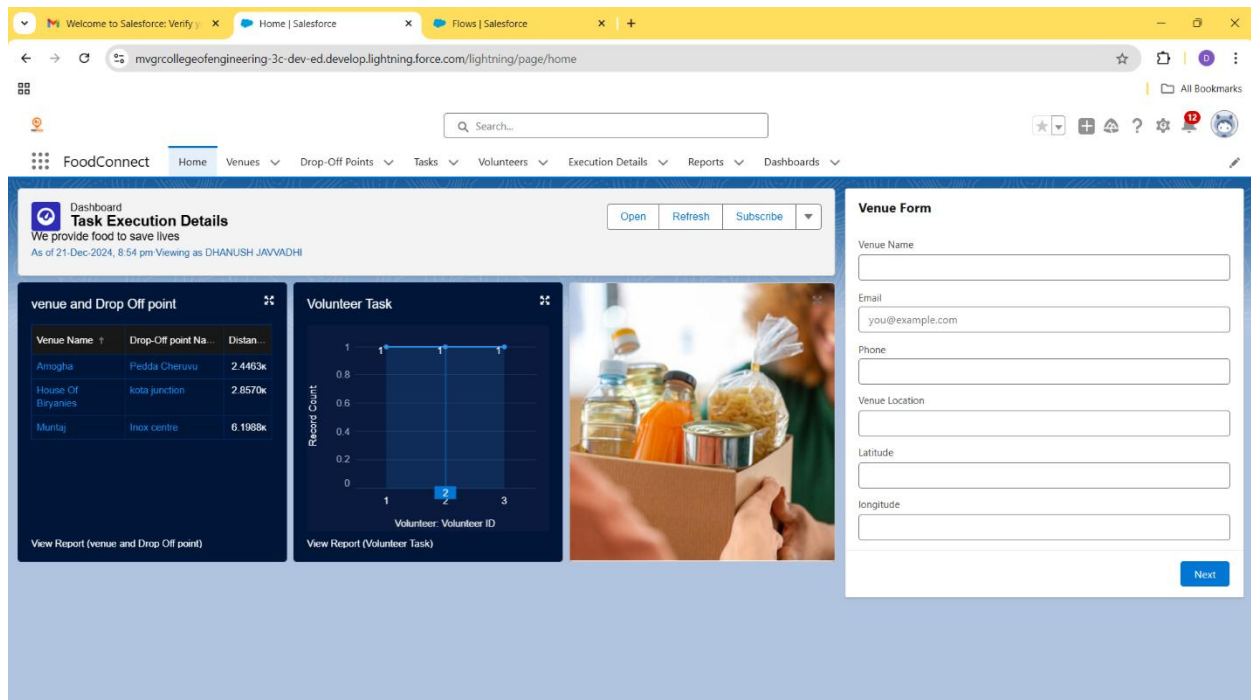
All Favorites



7. Conclusion

A brief summary of what the project achieved:

- **Outcome:** A functional Salesforce application that enhances food distribution efficiency.
- **Impact:** Improved coordination and transparency in food donation efforts.



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