PROJECT TITLE – LEFT OVER FOOD MANAGEMENT SYSTEM

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College.

College Code: bruaq

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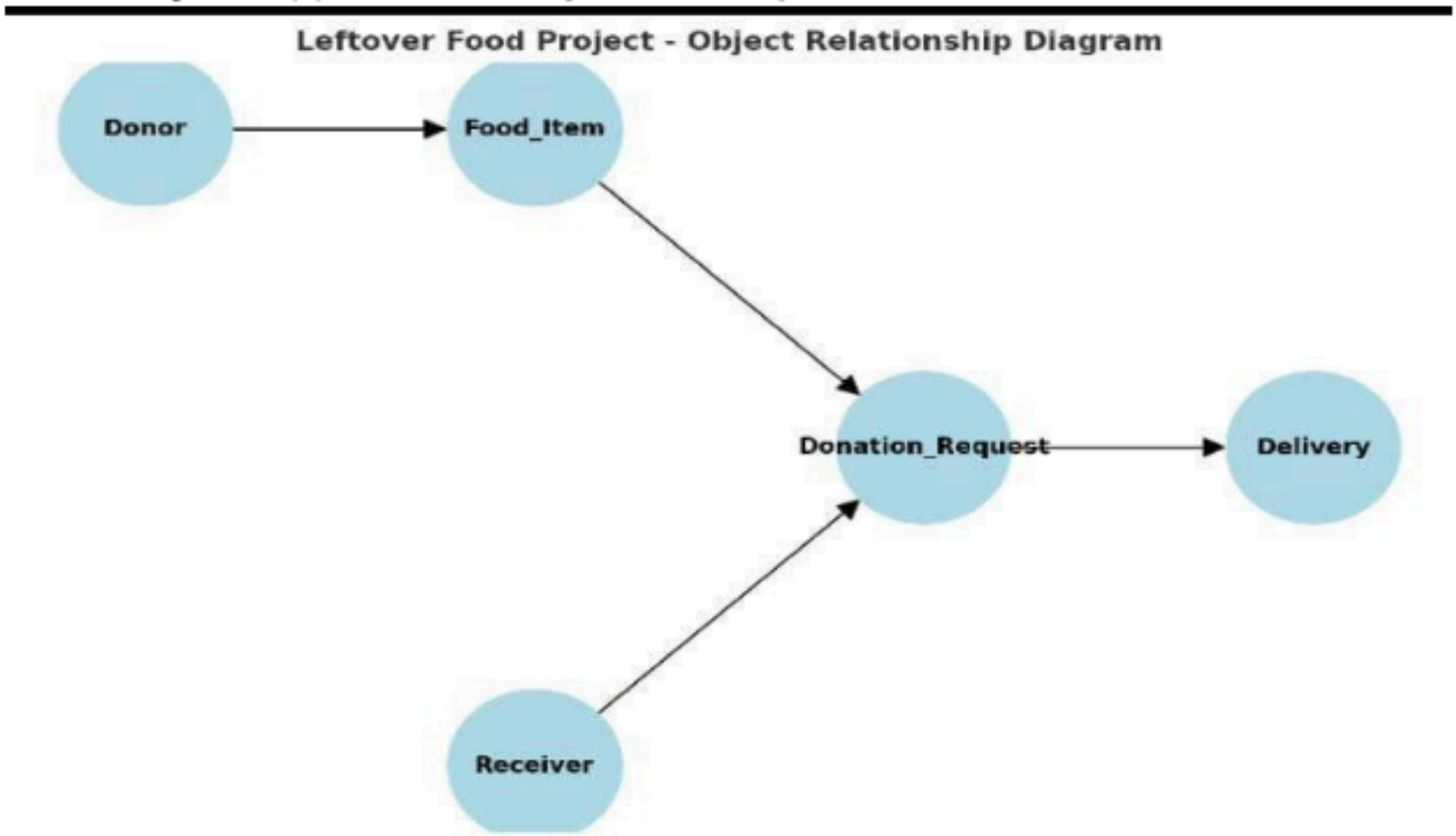
1.INTRODUCTION

1.1 Project Overview

Salesforce app to manage leftover food donations. Connects Donors(Hotels.Canteens.Events) with Receivers (NGOs.Needy people).Automates food request.approval.tracking and delivery.



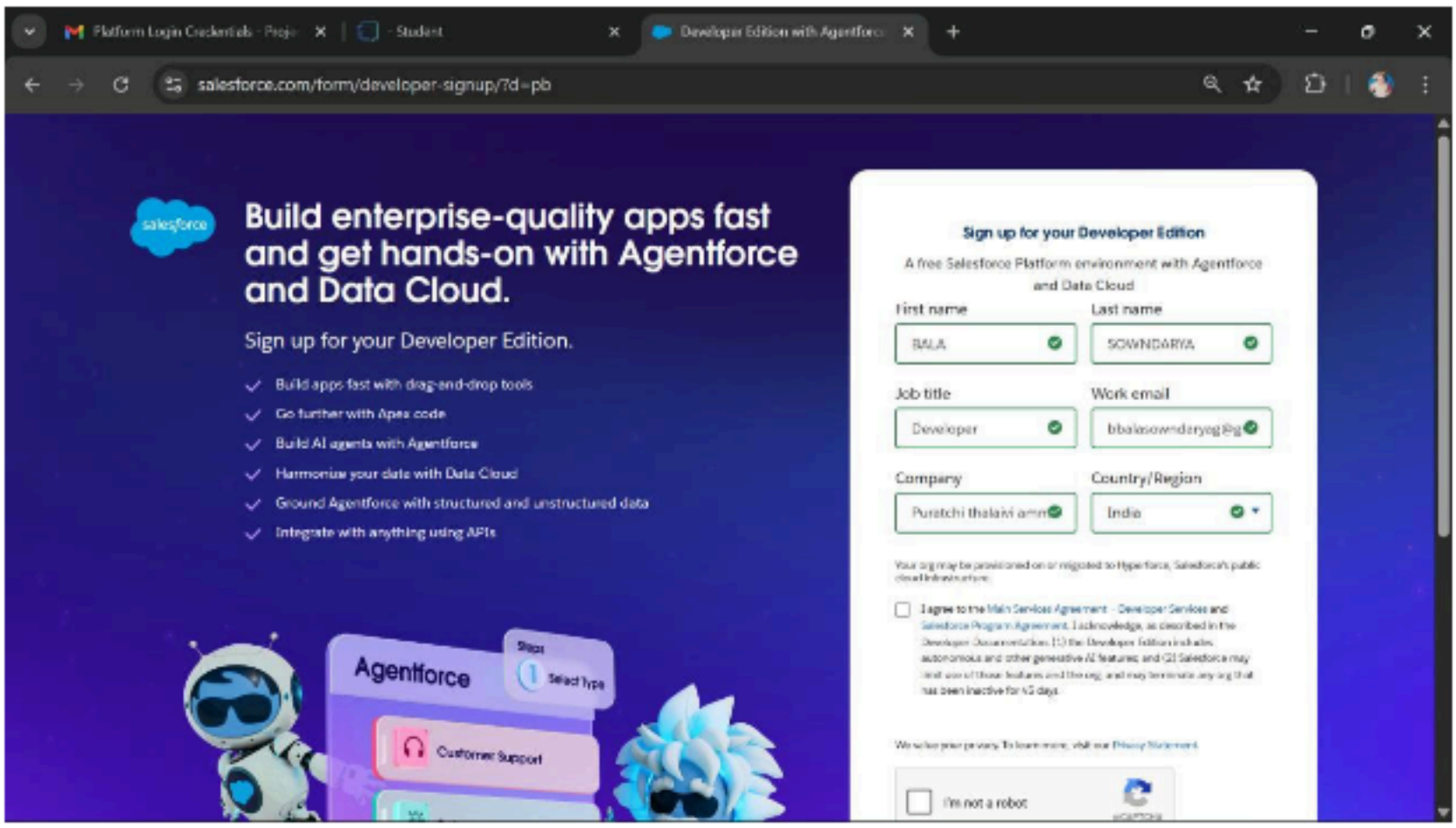
1.2 Purpose

Reduce food wastage. Provides food to needy on time. Ensure transparency & efficiency using Salesforce automation(Flows. Triggers. Emails).

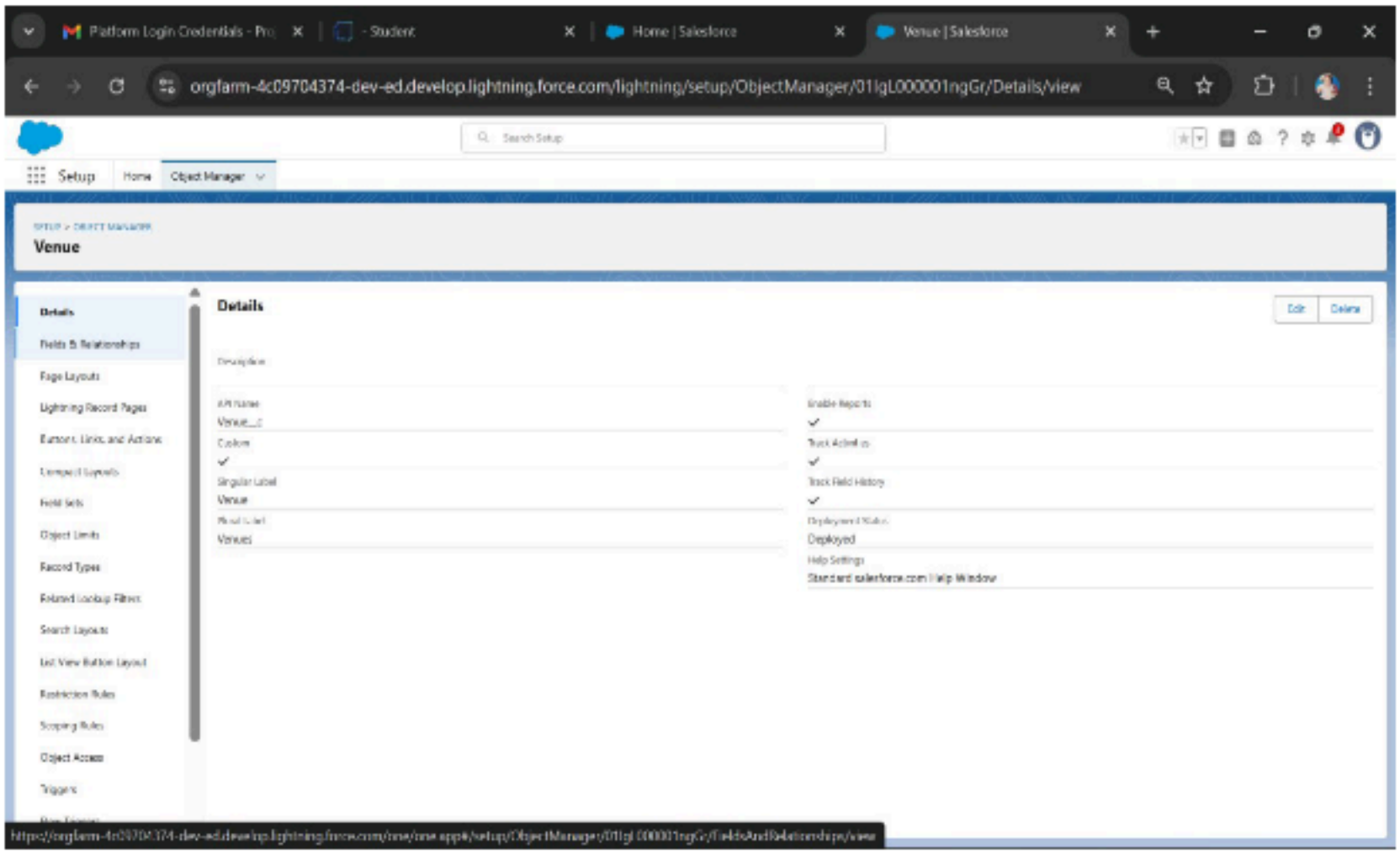
2.DEVELOPMENT PHASE

Creating Developer Account:

By using this URL - https://www.salesforce.com/form/developer-signup/?d=pb



•Created objects: Donar, Food_Item, Receiver, Donation_Request, Delivery.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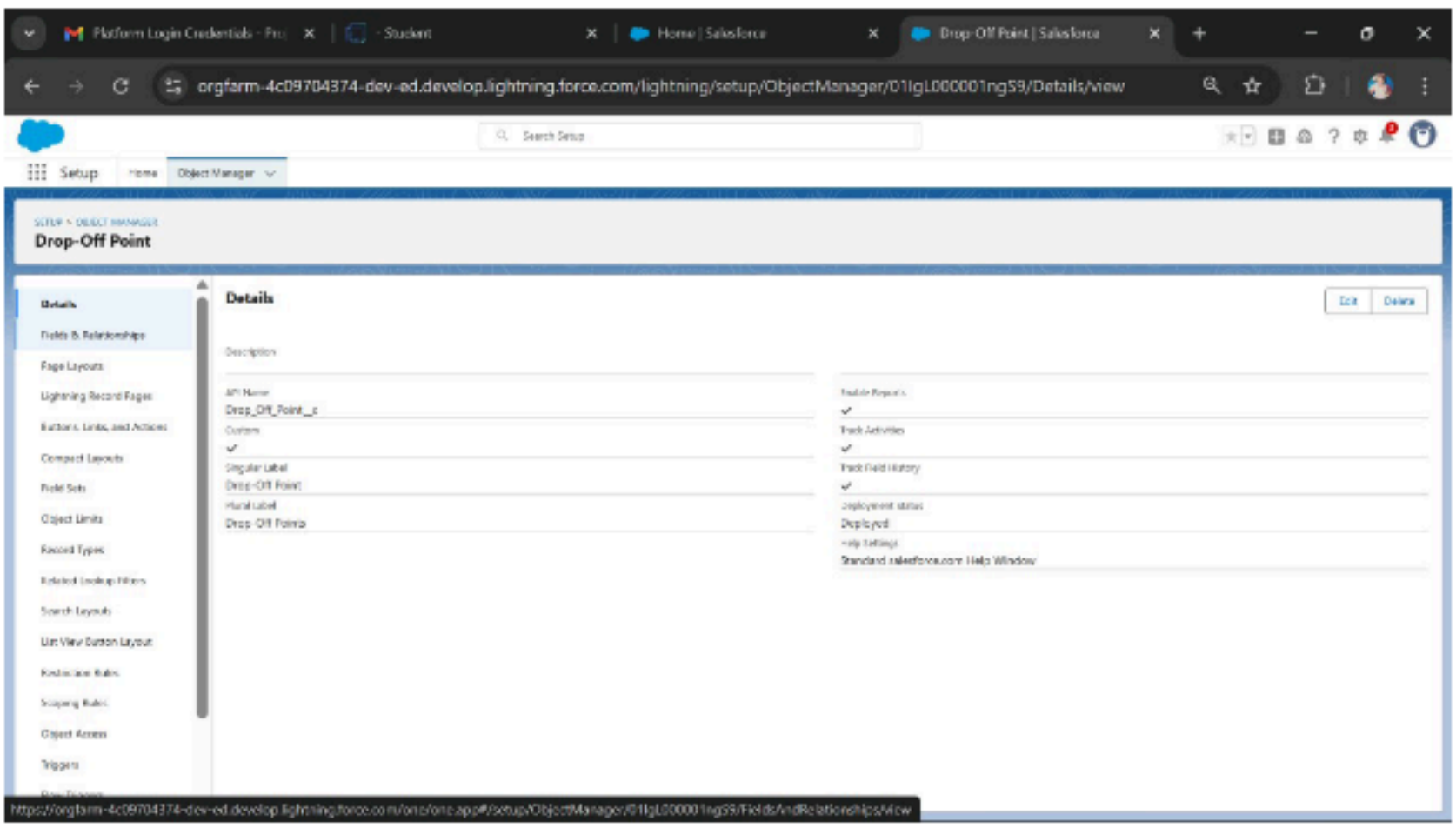
Setup
Home
Object Manager
Venue
Details
Edit
Delete
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Search Layouts
List View Button Layout
Restriction Rules
Scoping Rules
Object Access
Triggers
Deployed
Standard salesforce.com Help Window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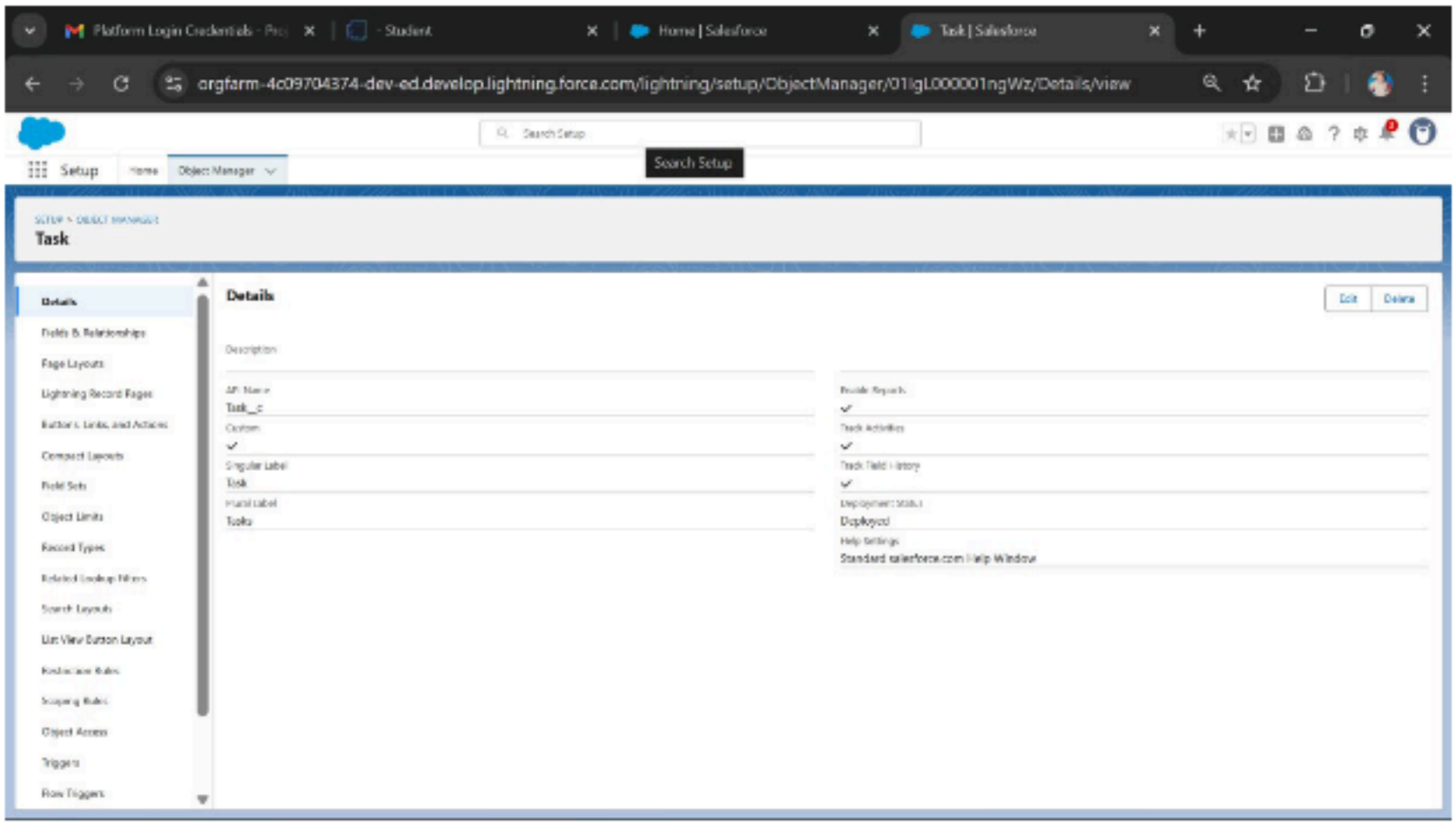
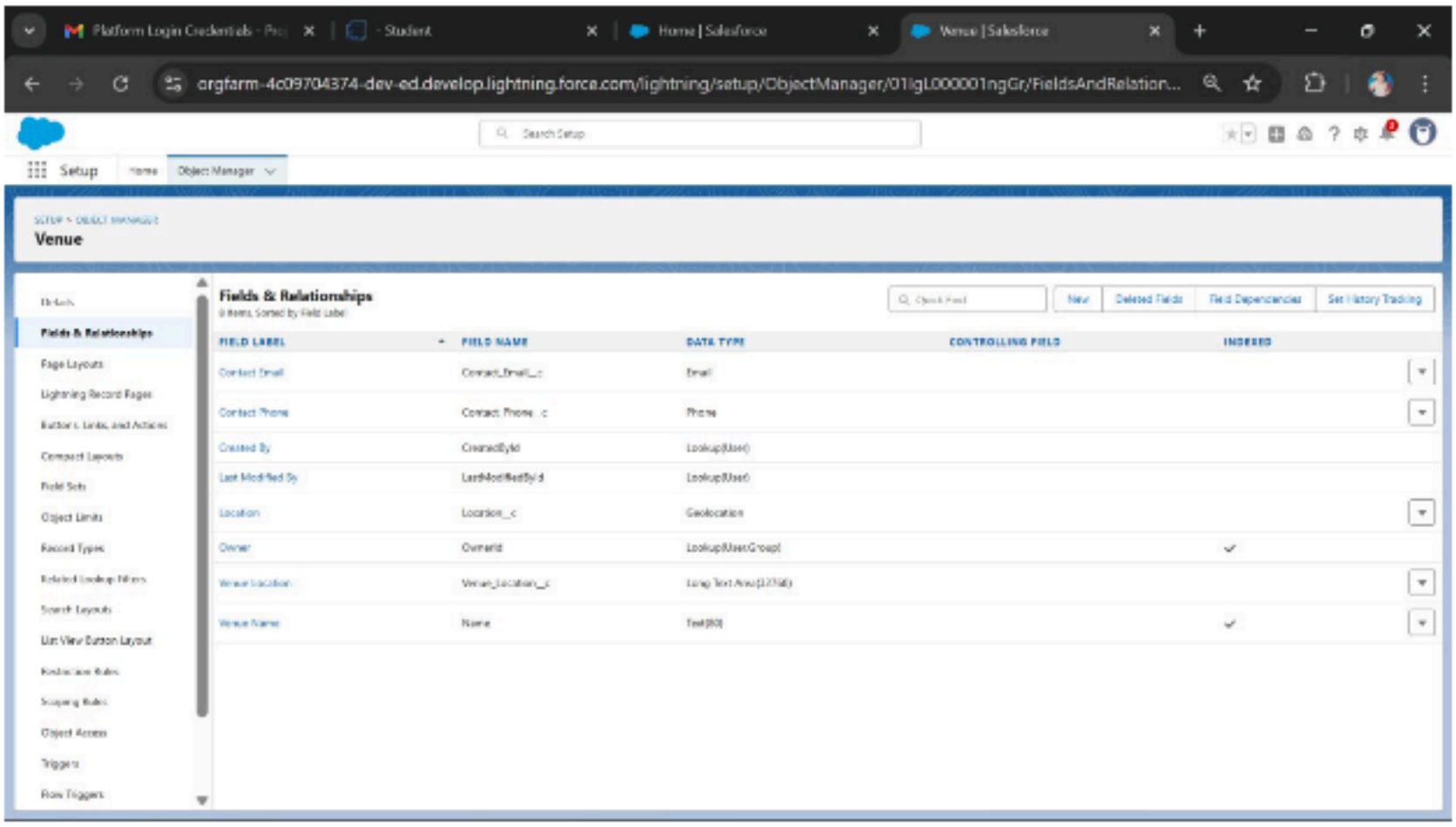
Setup
Home
Object Manager
Drop-Off Point
Details
Edit
Delete
Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Search Layouts
List View Button Layout
Object Access
Triggers
Drop_Off_Point__c
Drop-Off Point
Drop-Off Points
Deployed
Standard salesforce.com Help Window



•Configured fields and relationships.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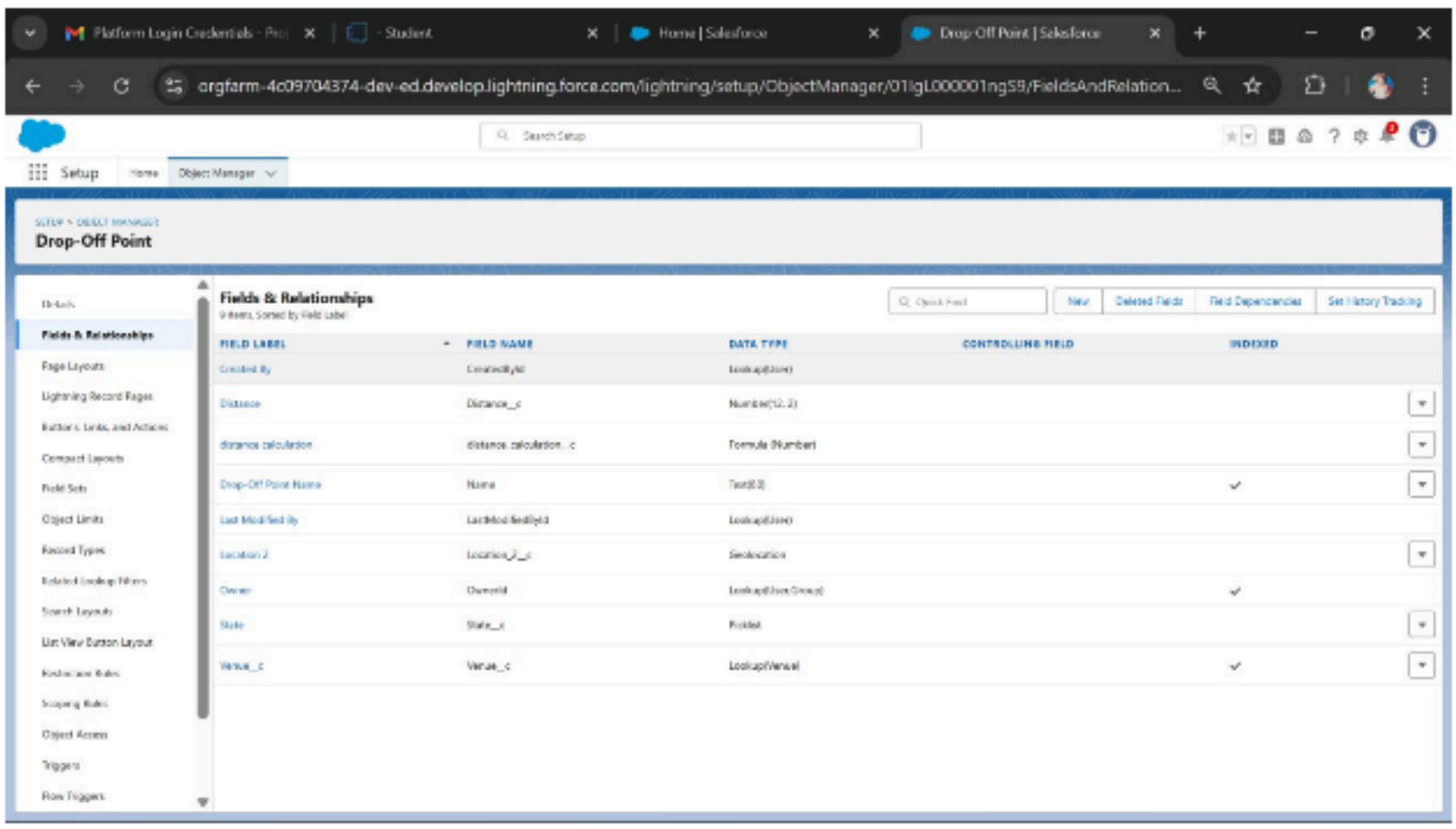
Home
Object Manager
Venue
Fields & Relationships
New
Deleted Fields
Field Dependencies
Set History Tracking
FIELD LABEL
FIELD NAME
DATA TYPE
CONTROLLING FIELD
INDEXED
Page Layouts
Lightning Record Pages
Compact Layouts
Field Sets
Object Limits
Record Types
List View Button Layout
Triggers
Row Triggers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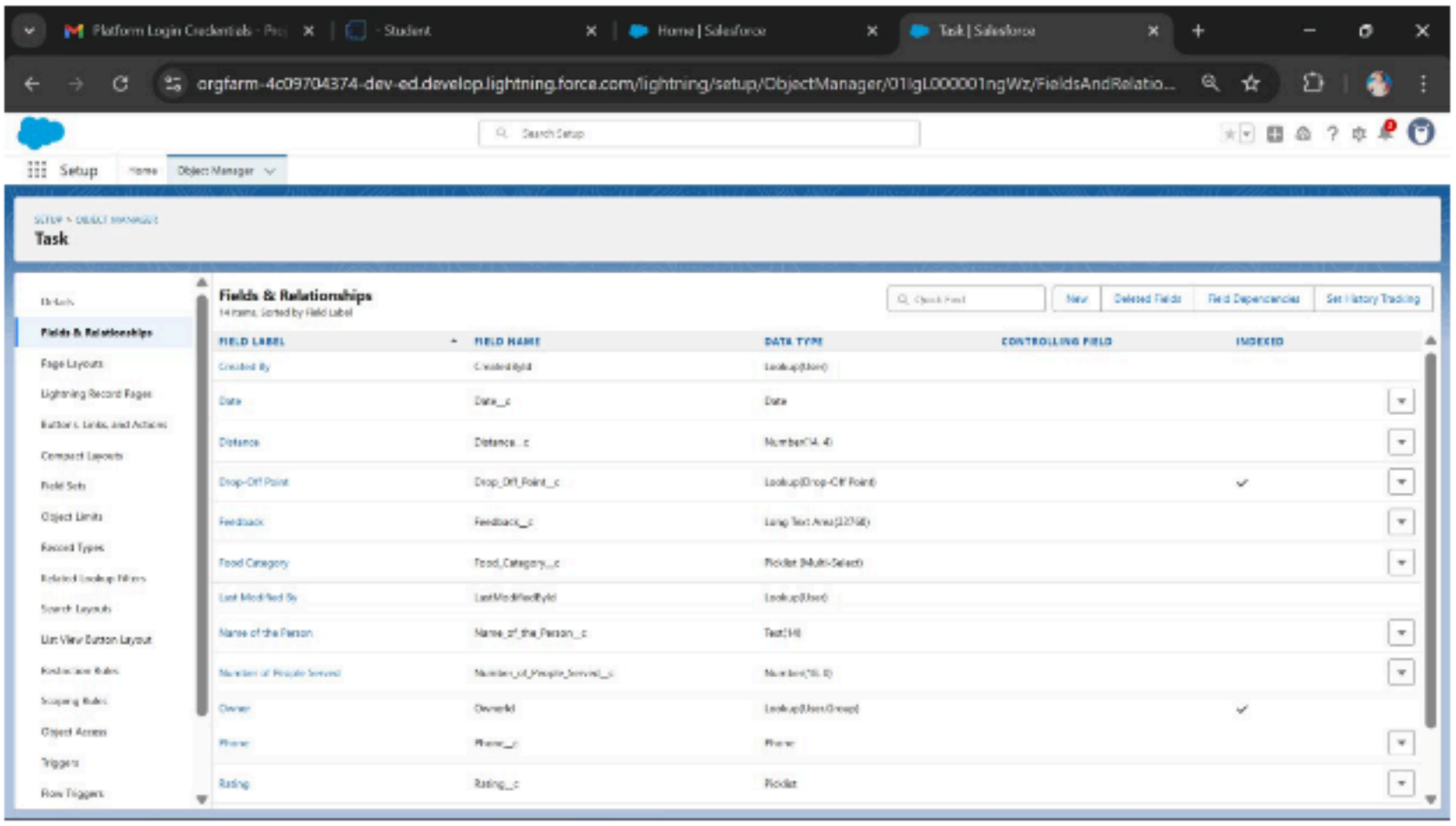
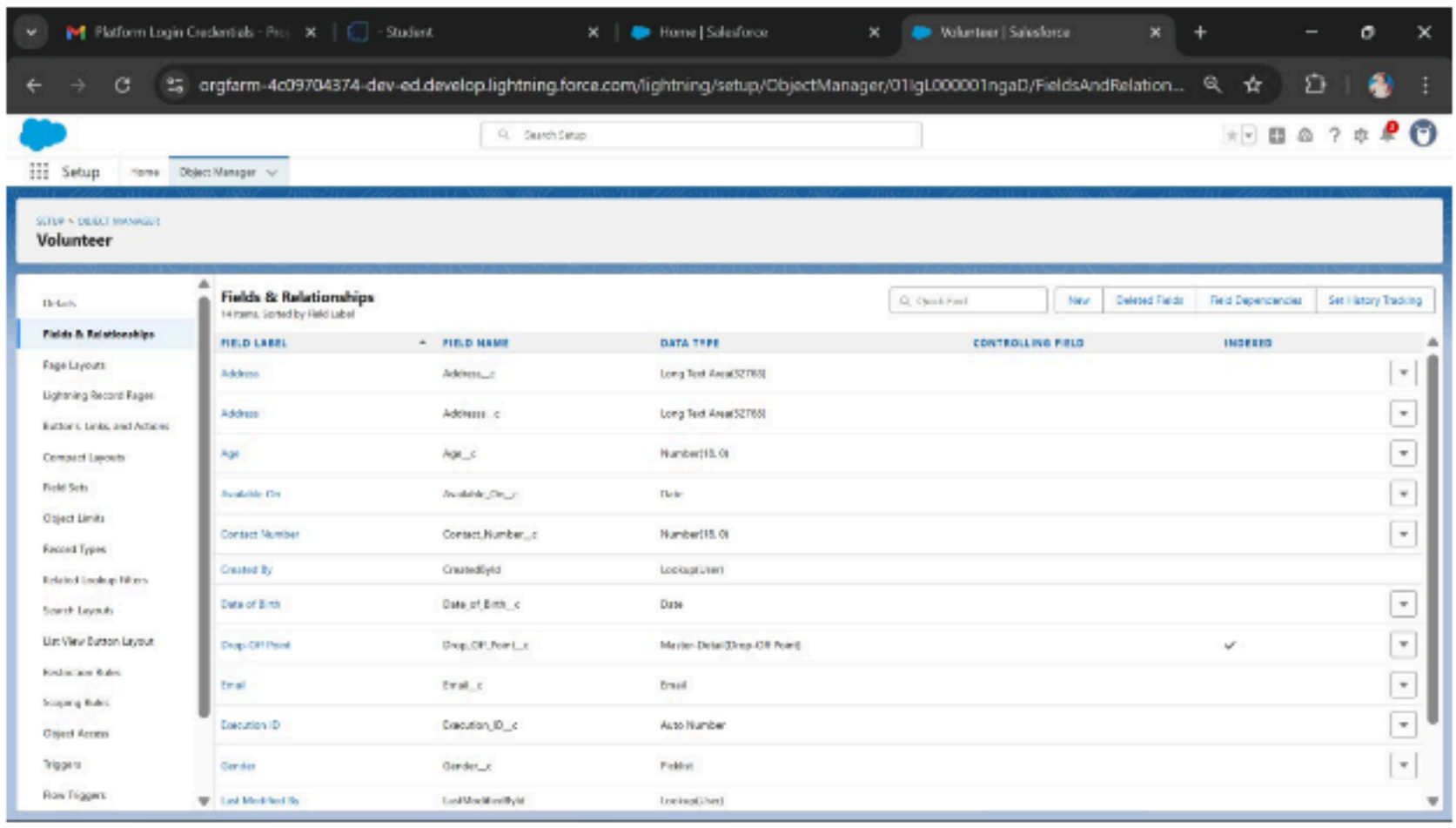
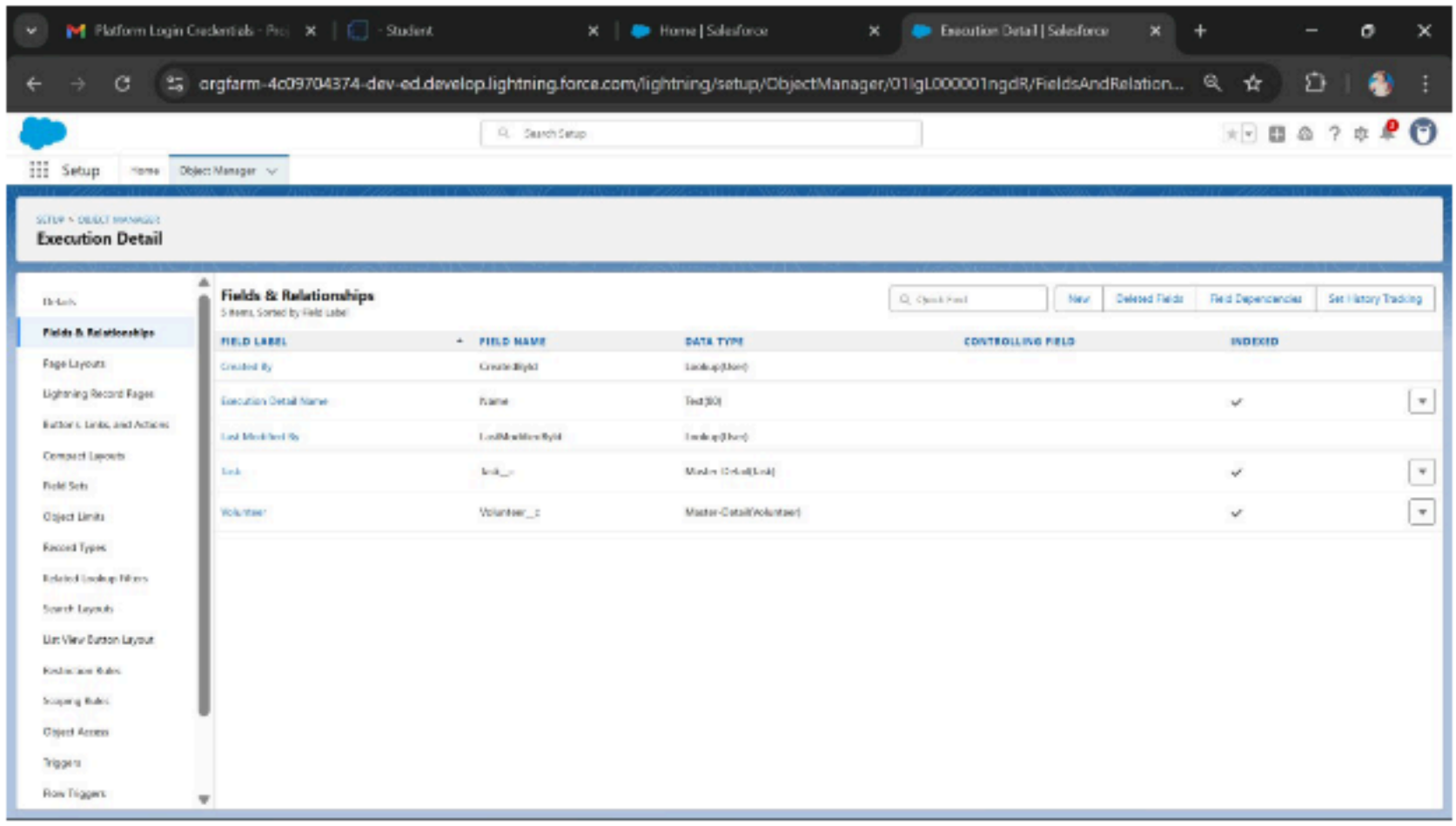
Set History Tracking
FIELD LABEL
FIELD NAME
DATA TYPE
CONTROLLING FIELD
INDEXED
Page Layouts
Lightning Record Pages
Compact Layouts
Field Sets
Object Limits
Record Types
List View Button Layout
Triggers
Row Triggers





•Developed Lightning App with relevant tabs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FIELD NAME
DATA TYPE
CONTROLLING FIELD
INDEXED
Page Layouts
Lightning Record Pages
Compact Layouts
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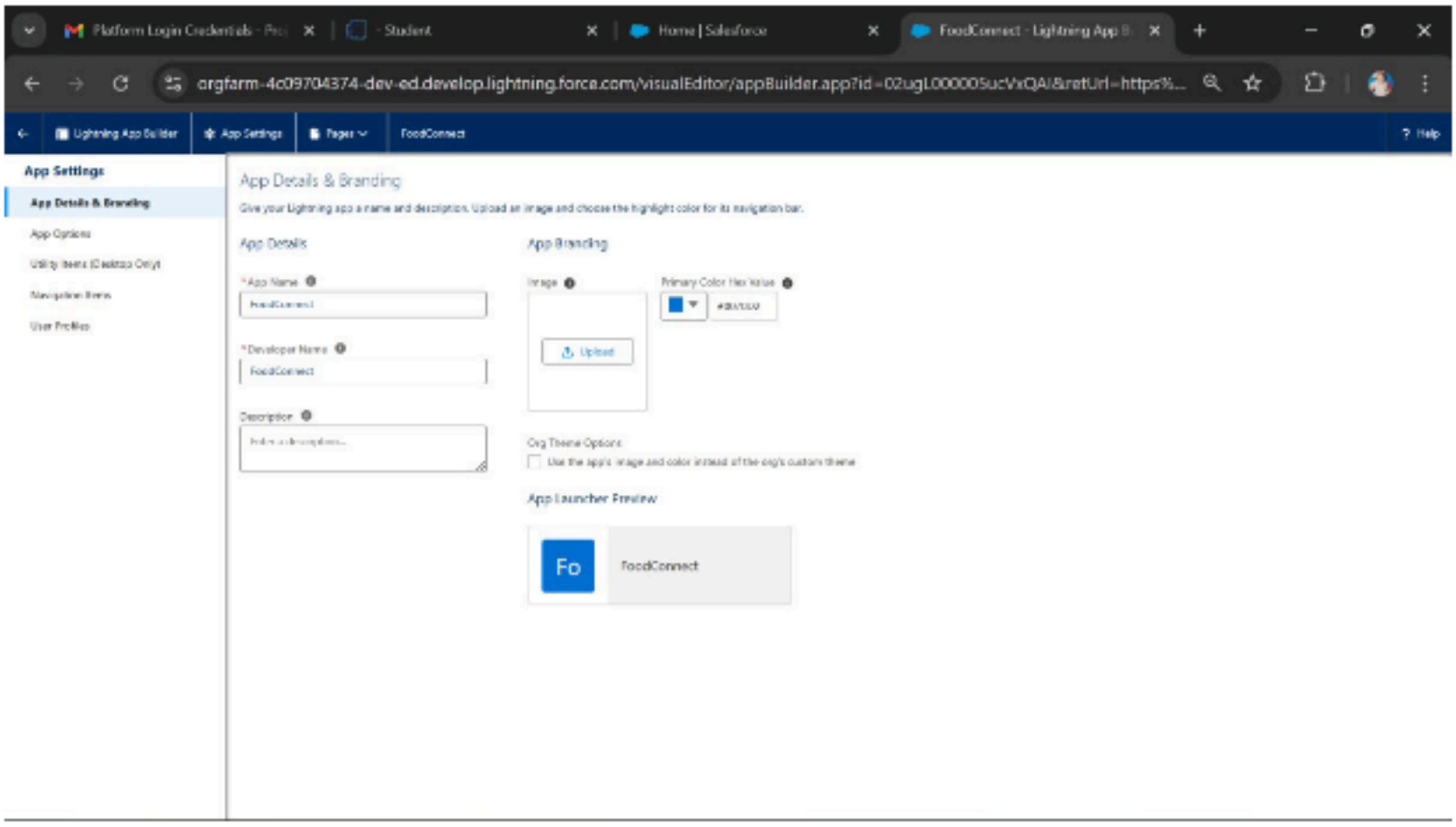
Object Limits
Record Types
Search Layouts
List View Button Layout
Object Access
Triggers
Row Triggers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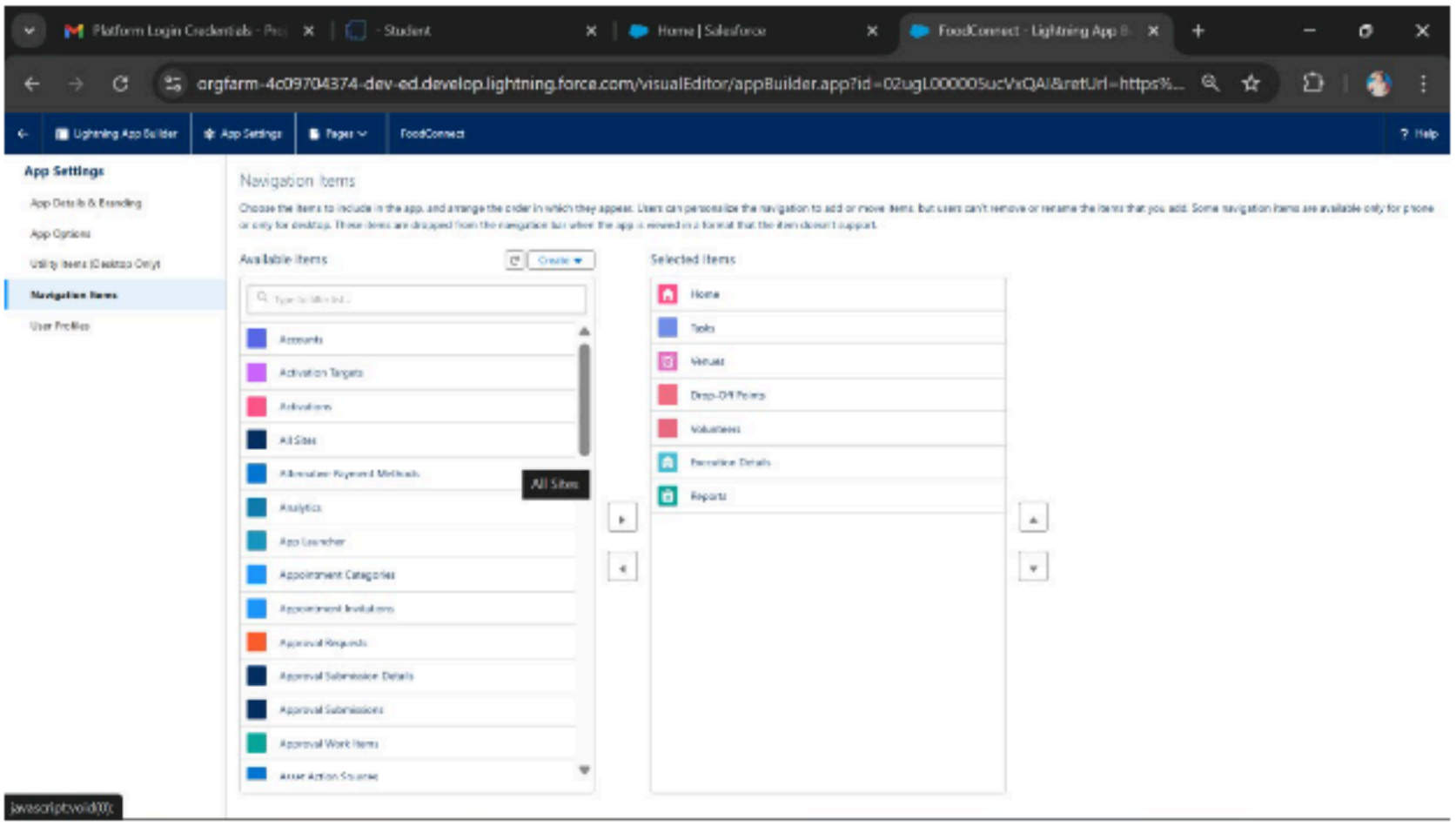
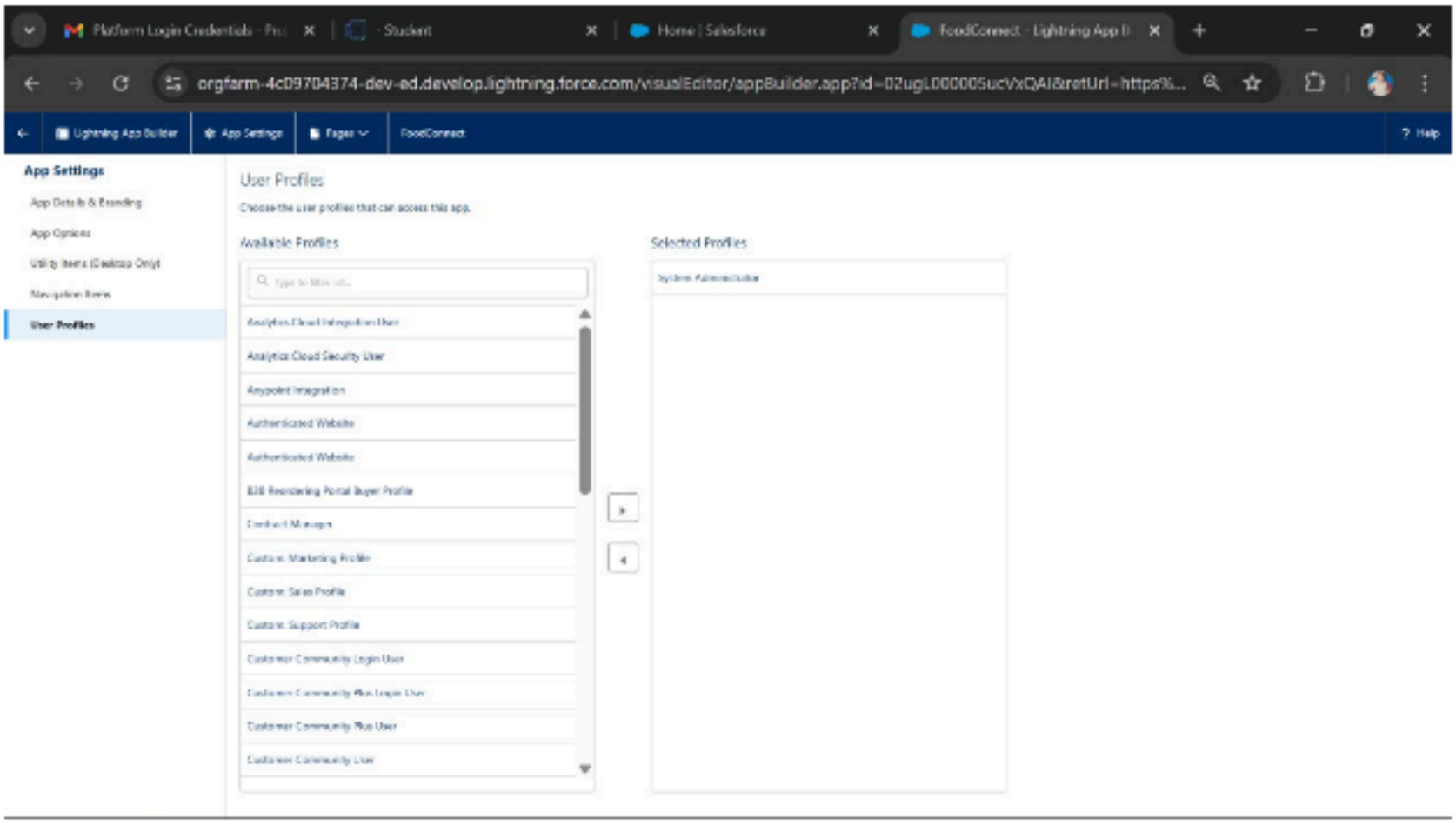
Lightning App Builder
App Settings
Pages
FoodConnect
Help
App Settings
App Details & Branding
App Options
User Profiles
App Details & Branding
Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.
App Details
App Branding
*App Name
*Developer Name
FoodConnect
Description
Image
Upload
Primary Color Hex Value
Org Theme Options
Use the app's image and color instead of the org's custom theme
App Launcher Preview
Fo
FoodConnect

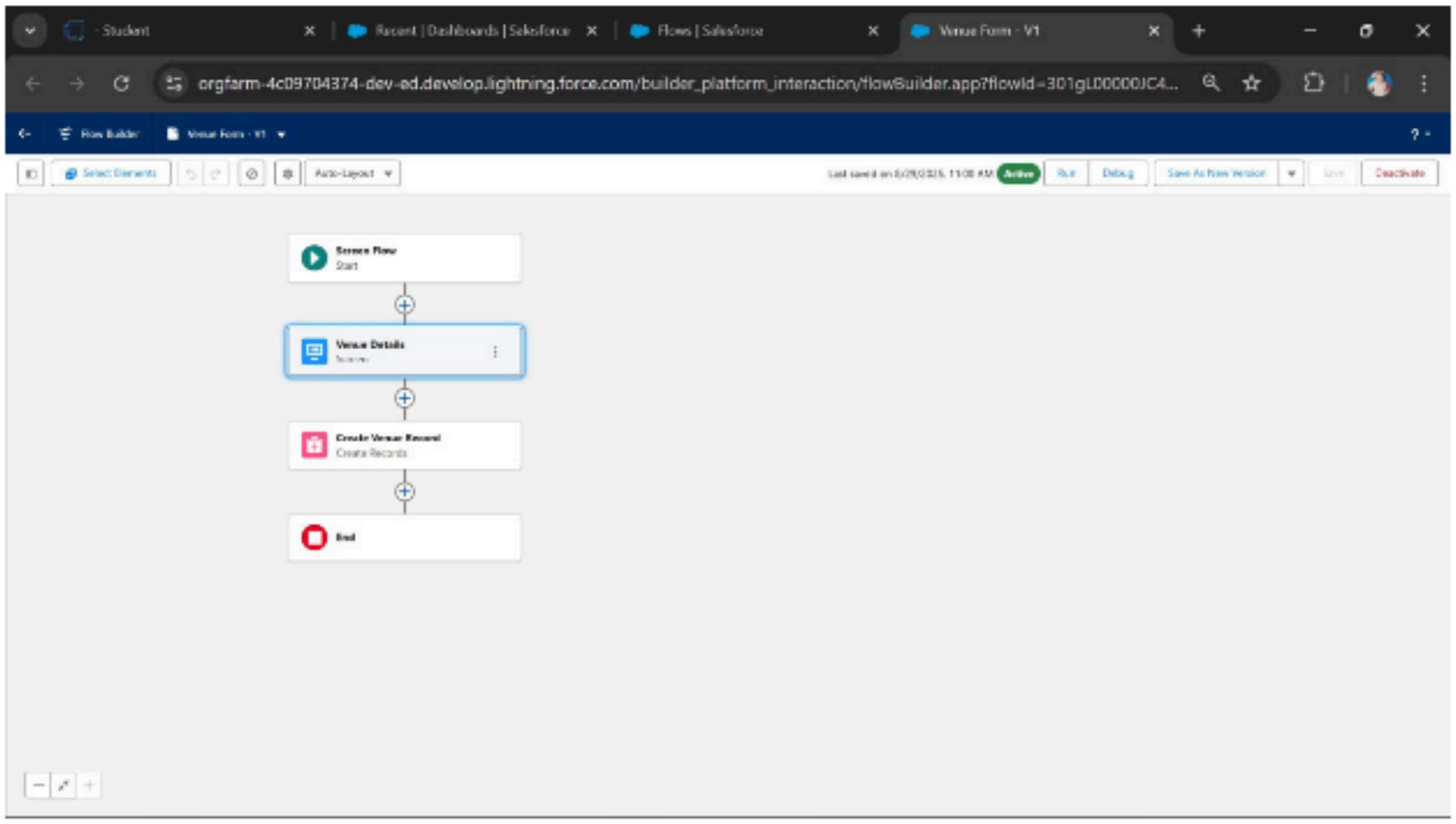




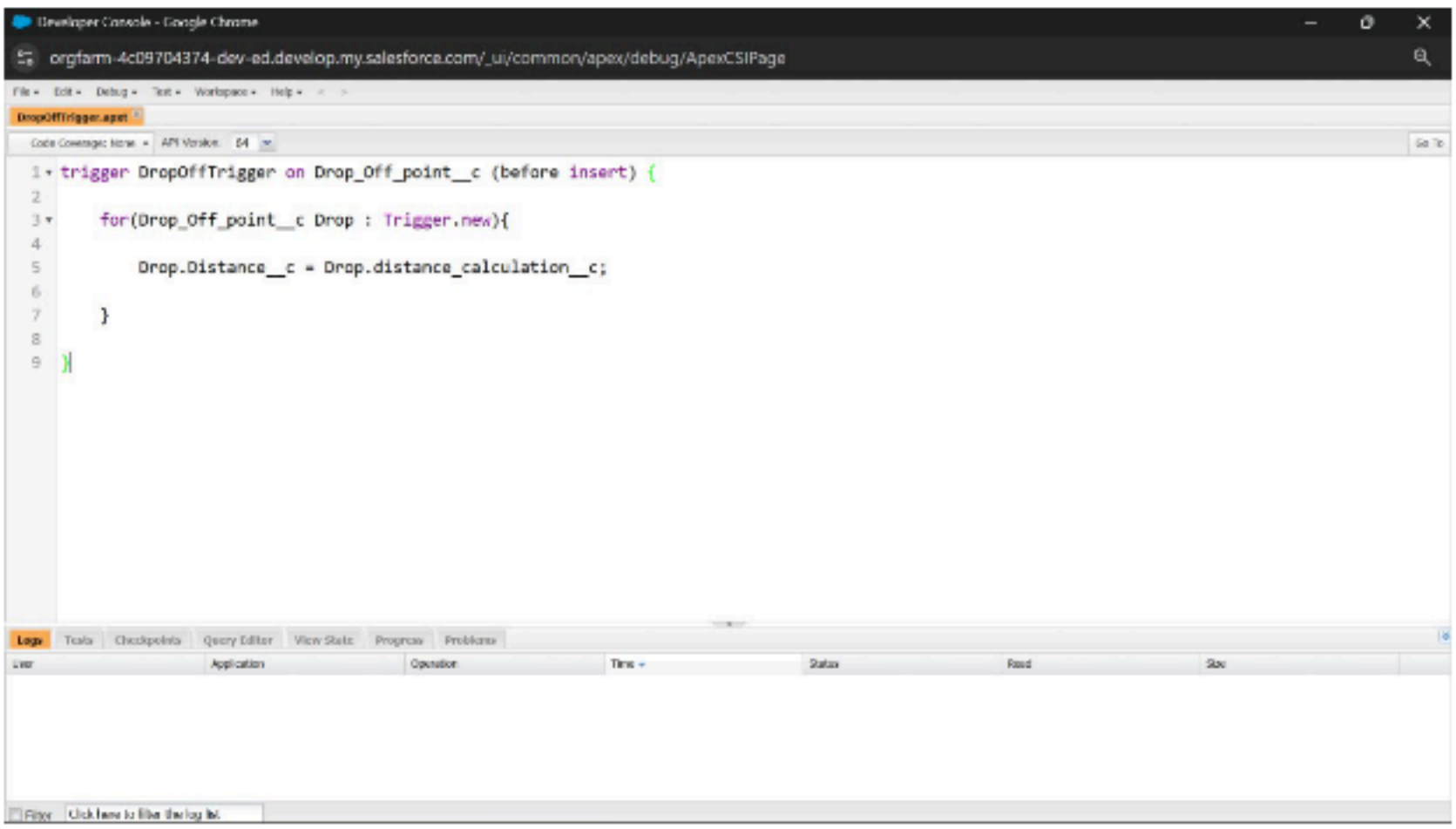
•Flow Implementation

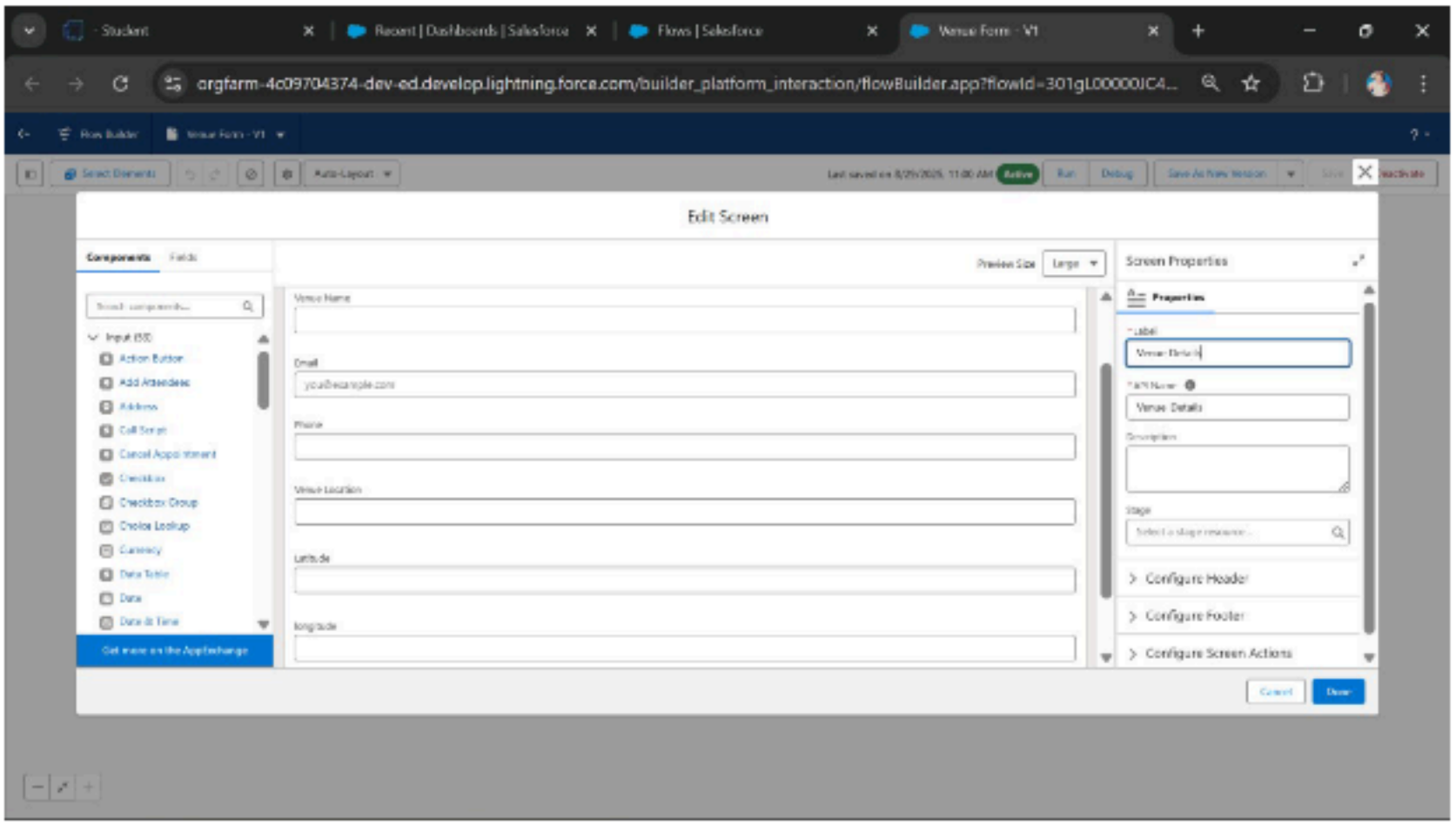
Auto-approve fresh food requests.

Auto-cancel expired items.

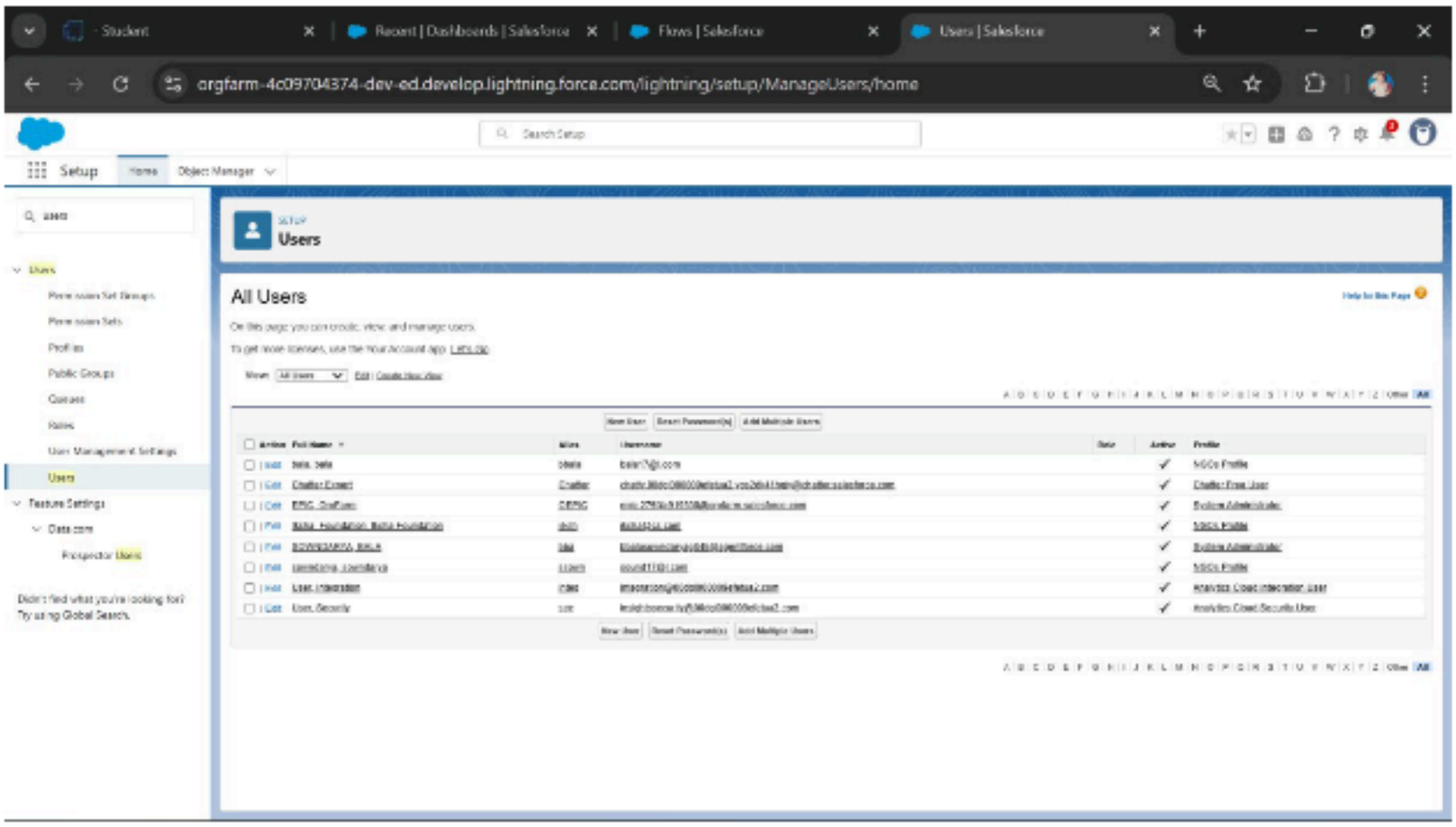


Added Apex trigger to drop of point

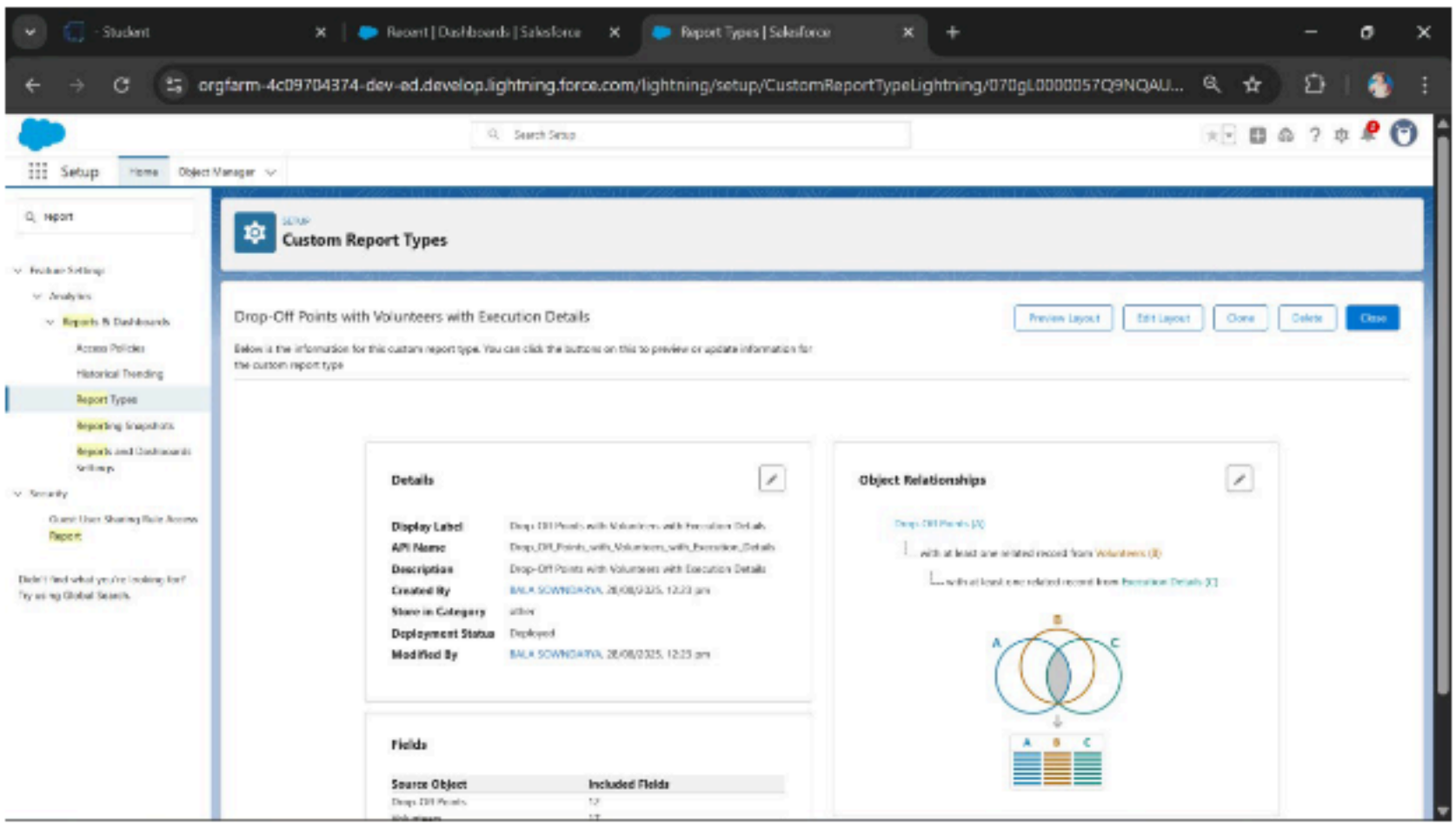


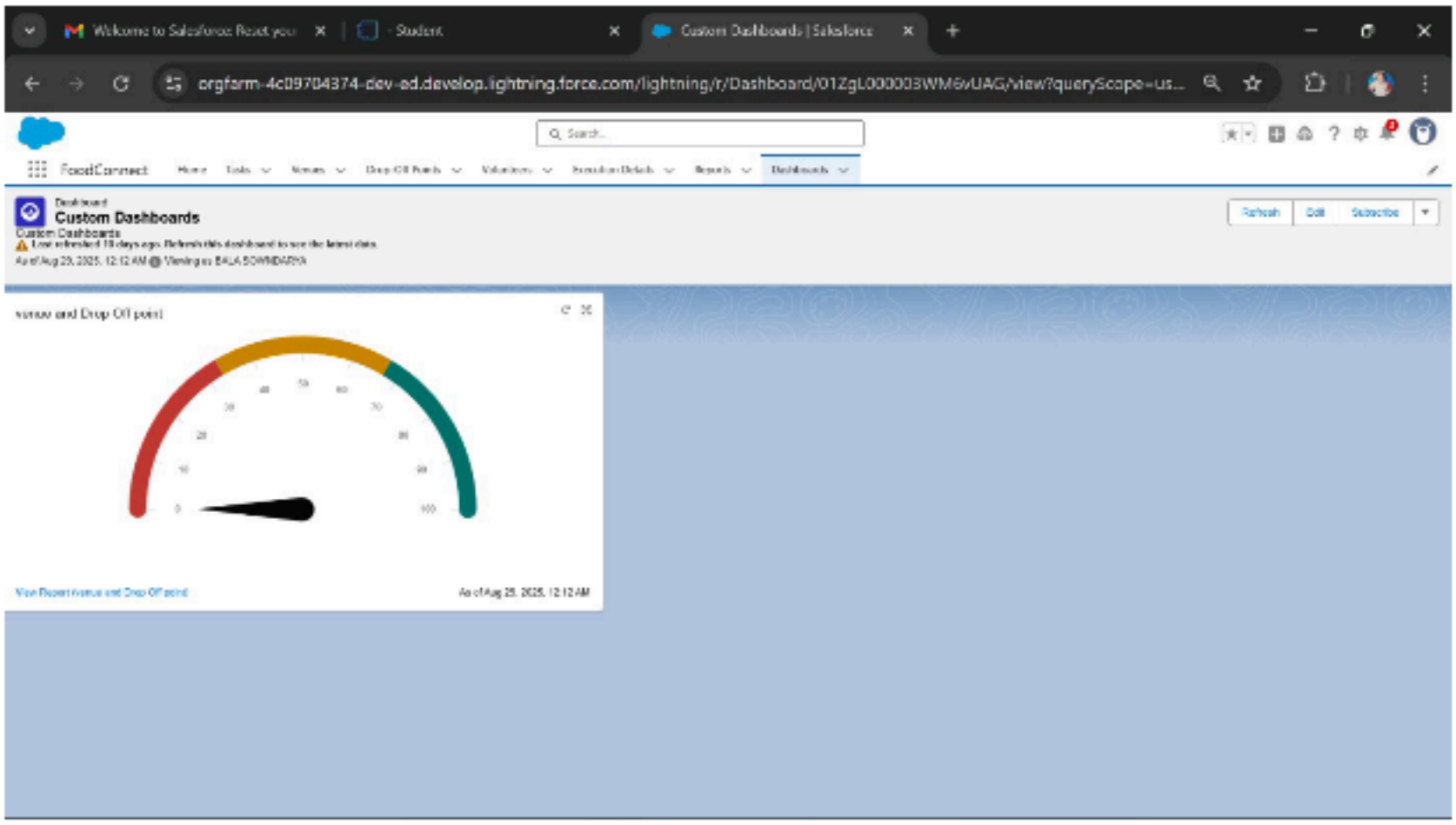


Creating users and public groups



•Reports types

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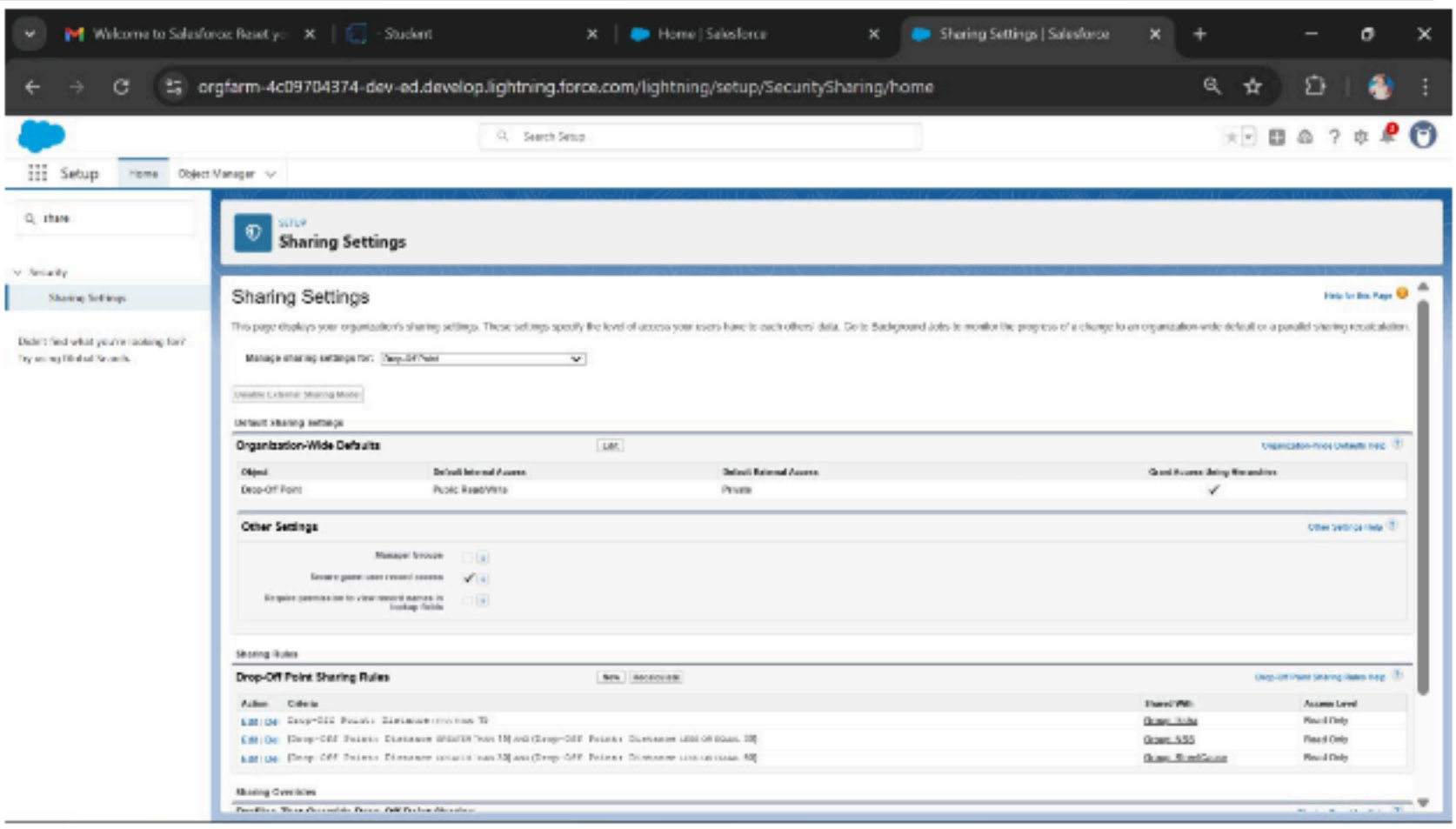
FoodConnect
Dashboard
Custom Dashboards
Refresh
Edit
Subscribe
As of Aug 25, 2025, 12:12 AM
As of Aug 25, 2025, 12:12 AM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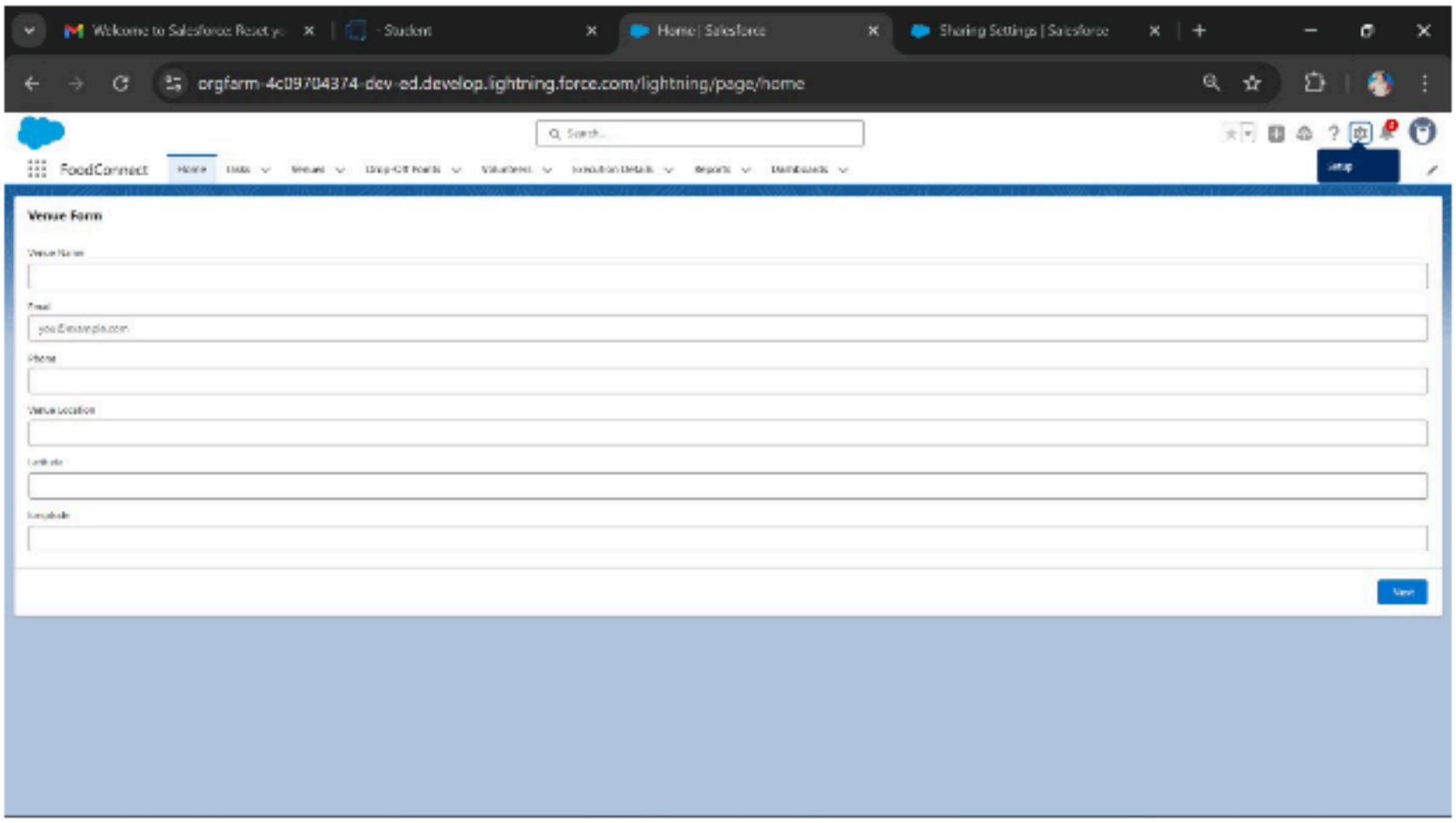
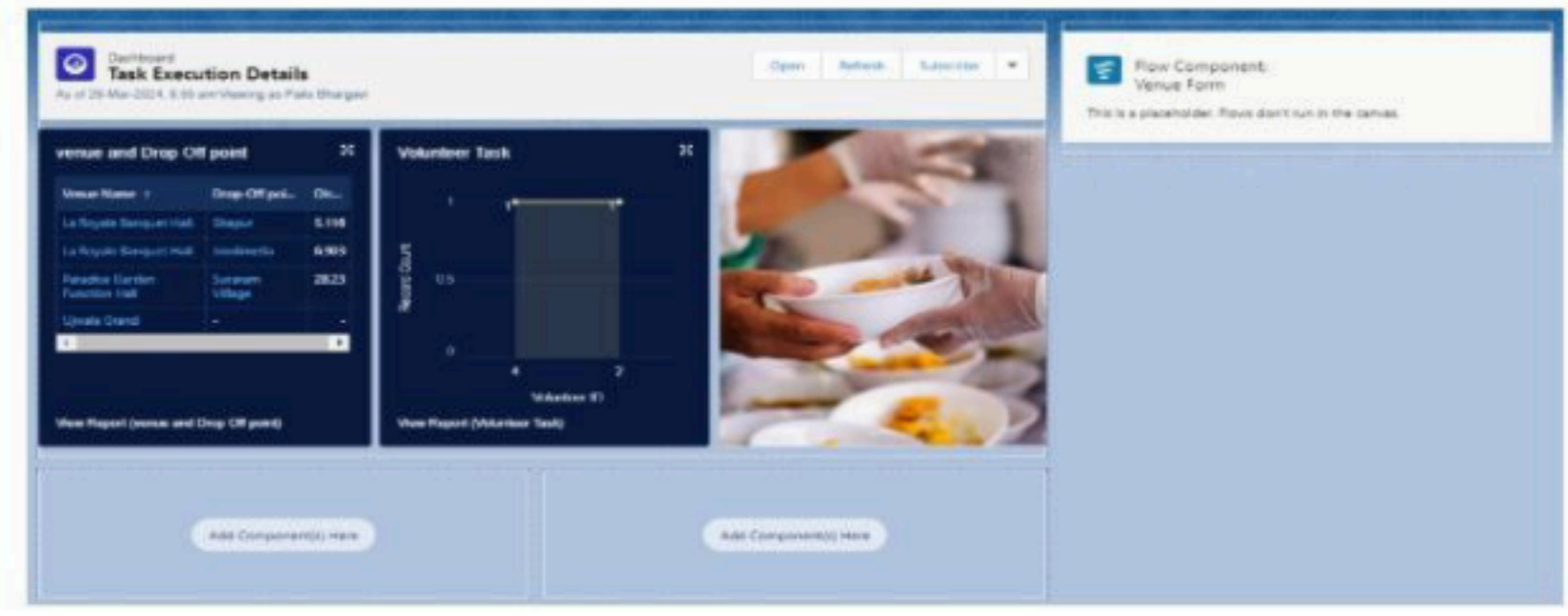
Setup
Home
Object Manager
Sharing Settings
Sharing Settings
Organization-Wide Defaults
Object
Default Internal Access
Default External Access
Drop-Off Point
Public Read/Write
Private
Other Settings
Sharing Rules
Drop-Off Point Sharing Rules



RESULTS :

Output Screenshots :



ADVANTAGES & DISADVANTAGES :

- Reduces food wastage.
- Helps NGOs & needy people.

•Automated. time-saving. transparent system.

•Requires internet access.
•NGOs/Donors must be trained to use Salesforce.

CONCLUSION:

Leftover Food Management System in Salesforce successfully reduces food wastage.Connects donors & receivers effectively.
Improves efficiency using automation..

Apex trigger

Trigger Code
(This Trigger is to assign Distance field to the Distance Calculation field. So that we can assign the distance in the sharing rules.)

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;
   }
}
```