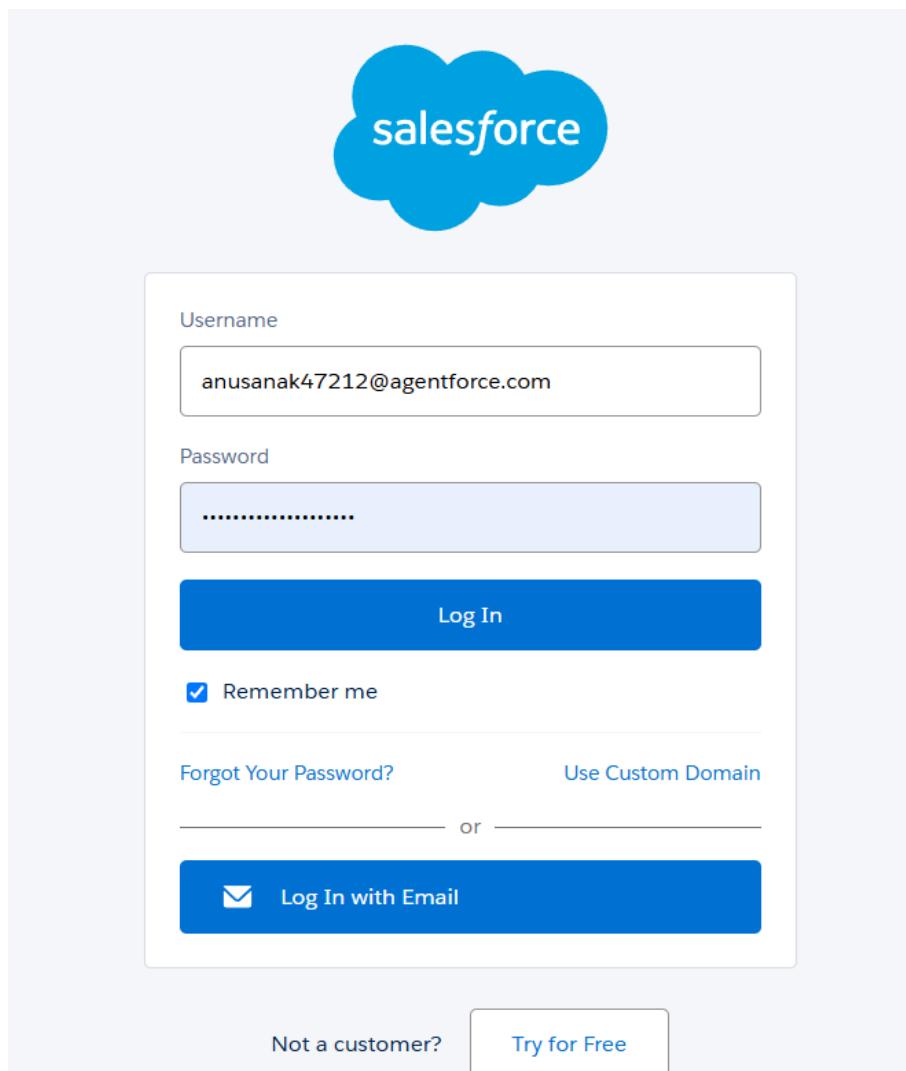
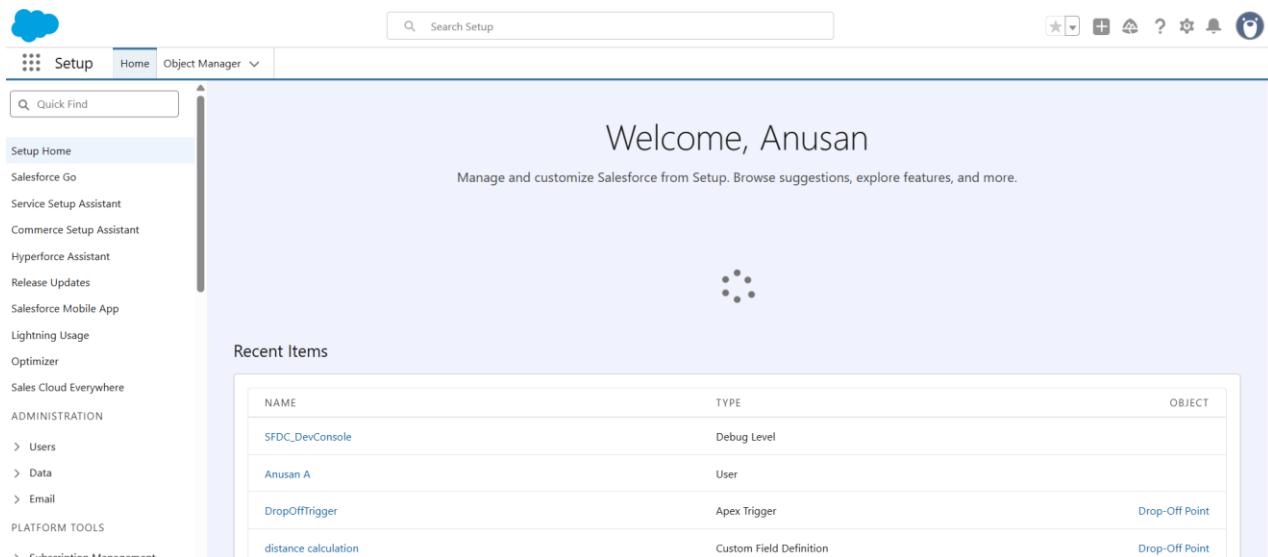


## Performance Testing

Date	02 NOVEMBER 2025
Team ID	NM2025TMID01349
Project Name	To Supply Leftover Food to Poor
Maximum Marks	4 Marks

### Creating an User



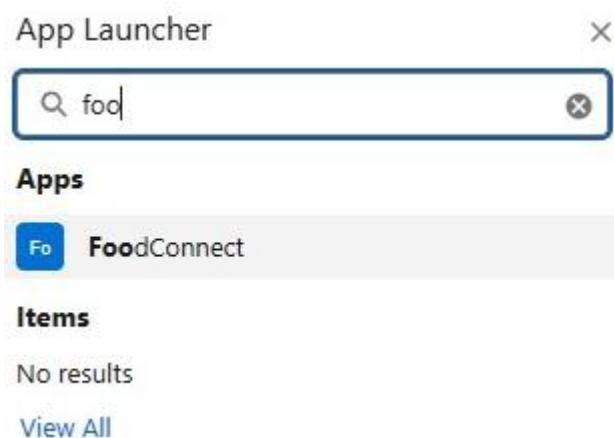


## 1. Testing Approach

Type of Testing	Purpose	Tools / Features Used
<b>Functional Testing</b>	Verify that each module works as intended (object creation, record updates, flows, triggers).	Salesforce UI, Flow Debug, Apex Test Classes
<b>Integration Testing</b>	Ensure data flows correctly between related Schema Builder, Test objects (Donor → Food Item → Distribution). Records	
<b>User Acceptance Testing (UAT)</b>	Validate that the system meets end-user needs (Donors, Volunteers, NGOs).	Test user accounts with different profiles
<b>Performance Testing</b>	Assess response time and system efficiency with multiple records.	Developer Console, Reports
<b>Security Testing</b>	Confirm data privacy and access control using Profiles & Sharing Rules.	Profile Permission Setup

## Testing & Results :

ID	Module	What's Tested	Expected	Actual	Result
TC01	Object Creation	Add Donor, Food_Item, Volunteer, Receiver, Distribution	Objects are created	Done	Pass
TC02	Field Validation	Mandatory fields: Food Qty, Expiry, Location	Cannot leave fields empty	Working	Pass
TC03	Flow Automation	Assign volunteer automatically for new donation	Auto-assignment happens	Works as expected	Pass
TC04	Trigger	Update Status = Delivered after distribution	Status updates correctly	Working	Pass
TC05	Profile Access	Volunteer cannot edit donor data	Access denied	Correct	Pass
TC06	Reports	Weekly total food distributed	Accurate report generated	Correct	Pass
TC07	Dashboard	Show donations & deliveries real-time	Dashboard updates	Working	Pass
TC08	Home Page	Display key metrics and shortcuts	Data visible	Working	Pass



## Security & Access Testing

User Role	Accessible Objects	Restricted Actions	Result
Admin	All objects	None	Passed
Donor	Donor, Food_Item	Cannot view or edit other donors' data	Passed
Volunteer	Distribution, Food_Item	Cannot modify donor or NGO records	Passed
NGO	Reports, Dashboard	Cannot delete or modify critical records	Passed

## Test Outcomes

- All functional modules, automation processes, and access controls performed successfully.
- No data loss, errors, or performance issues were observed during testing.
- The system efficiently handles multiple donations and user records simultaneously.
- Flows, triggers, and reports execute correctly and provide accurate results.