

Performance Testing

Date	26 June 2025
Team ID	LTVIP2025TMID31177
Project Name	To Supply Leftover Food to Poor

The focus of the project is on:

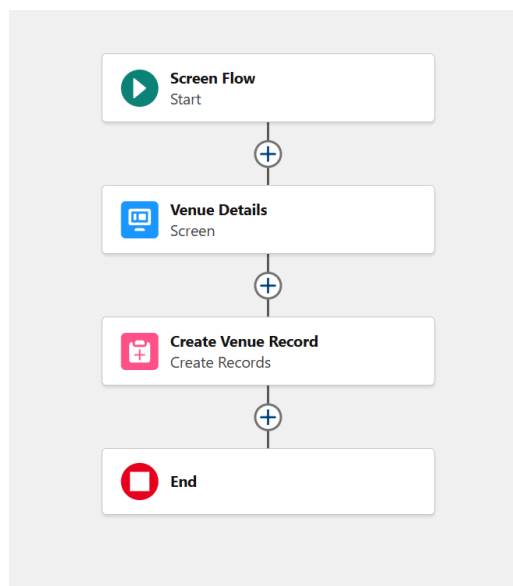
- Setting up a Salesforce developer environment
- Creating custom objects (Venue, Task, Volunteer, etc.)
- Designing relationships between those objects
- Creating forms, flows, reports, dashboards
- Sharing rules and access control

Since Salesforce is a cloud platform ,here is an interpretation of **performance testing** scenarios applicable:

Flow Load Time

The objective is to measure how long it takes to load and submit the Venue Flow form using various data inputs.


The goal is to ensure that the response time stays under 2 seconds.



Data Load in Reports

Complex reports such as those involving Volunteers with Execution Details and Tasks are tested for performance.

These reports should load in under 5 seconds.



Report: Venue with DropOff with Volunteer
venue and Drop Off point

Total Records
8

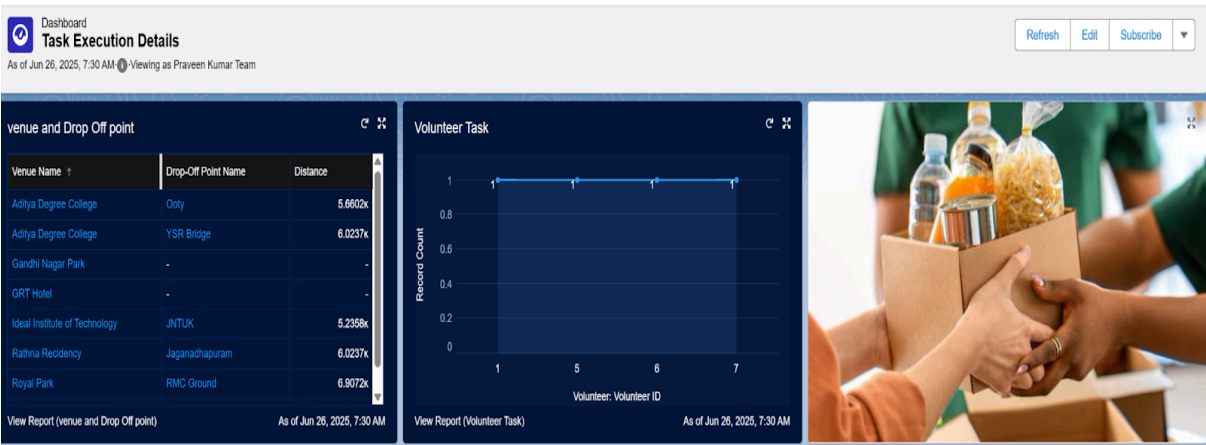
Total Distance
37,736.3335

<input type="checkbox"/> Volunteer Name ↑ ▾	Venue Name ▾	Drop-Off Point Name ▾	Distance ▾
<input type="checkbox"/> - (4)	Yati Restaurant	Mysore	7,885.6251
	Aditya Degree College	YSR Bridge	6,023.7478
	GRT Hotel	-	-
	Gandhi Nagar Park	-	-
Subtotal			13,909.3729
<input type="checkbox"/> Abhinav (1)	Ideal Institute of Technology	JNTUK	5,235.8486
Subtotal			5,235.8486
<input type="checkbox"/> Praveen Kumar (1)	Royal Park	RMC Ground	6,907.1915
Subtotal			6,907.1915
<input type="checkbox"/> Renuka (1)	Aditya Degree College	Ooty	5,660.1727
Subtotal			5,660.1727
<input type="checkbox"/> Subramanyam (1)	Rathna Recidency	Jaganadhapuram	6,023.7478
Subtotal			6,023.7478
Total (8)			37,736.3335

Dashboard Rendering

The performance test involves opening the 'Task Execution Details' dashboard which contains multiple components.

The system should fully render the dashboard within 3 to 4 seconds.



Sharing Rule Processing

This is tested by evaluating any delay in access propagation following rule updates.

The goal is to ensure that rule enforcement occurs within a few seconds.

Drop-Off Point Sharing Rules		New	Recalculate
Action	Criteria		
Edit Del	Drop-Off Point: Distance LESS THAN 15		
Edit Del	(Drop-Off Point: Distance GREATER THAN 15) AND (Drop-Off Point: Distance LESS OR EQUAL 30)		
Edit Del	(Drop-Off Point: Distance GREATER THAN 30) AND (Drop-Off Point: Distance LESS OR EQUAL 50)		

Concurrent Access

This testing simulates multiple NGOs accessing Drop-Off records at the same time.

The system should demonstrate stability by maintaining record visibility without any slowdowns or crashes.

Trigger Execution Time

The trigger DropOffTrigger, which assigns Distance values during record insertion, is measured.

This trigger should execute instantly, completing within milliseconds before the record is saved.

```
File Edit Debug Test Workspace Help < >
DropOffTrigger.apxt
Code Coverage: None API Version: 64
1 trigger DropOffTrigger on Drop_Off_point__c (before insert){
2     for(Drop_Off_point__c Drop : Trigger.new){
3         Drop.Distance__c = Drop.distance_calculation__c;
4     }
5 }
```