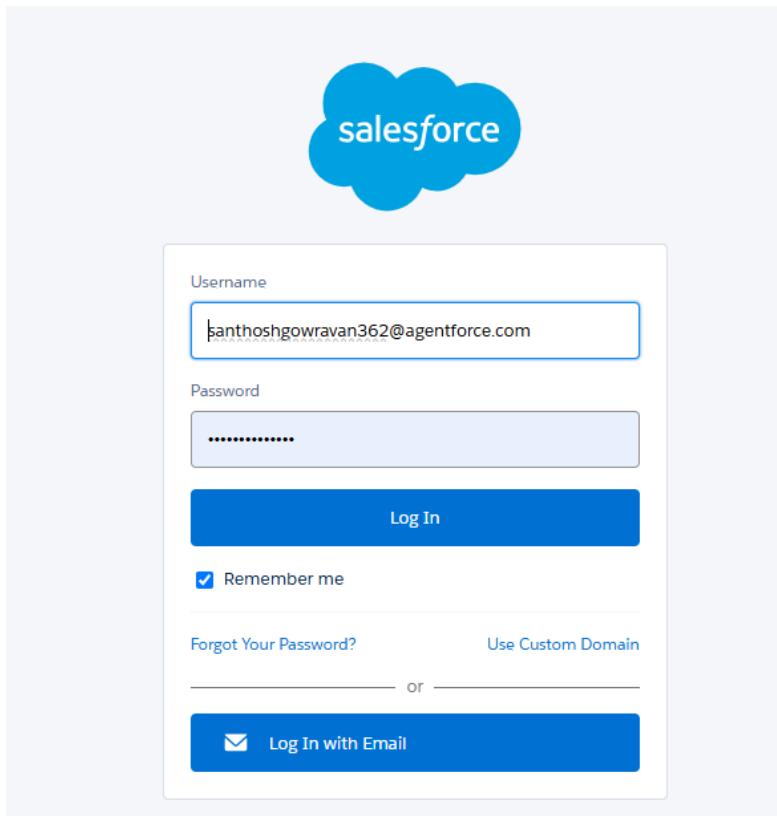


Performance Testing

Date	02 NOVEMBER 2025
Team ID	D62F116B4D1897894BB441A9447B6D32
Project Name	To Supply Leftover Food to Poor
Maximum Marks	4 Marks

Creating an User



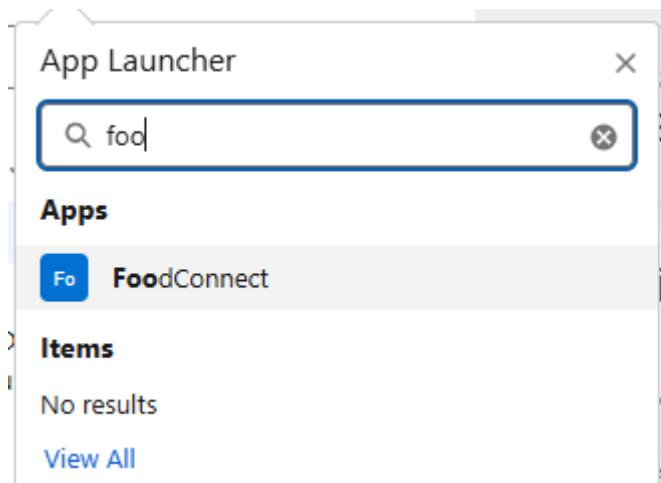
The screenshot shows the Salesforce Setup Home page. On the left, there's a sidebar with links like Setup Home, Salesforce Go, Service Setup Assistant, Commerce Setup Assistant, Hyperforce Assistant, Release Updates, Salesforce Mobile App, Lightning Usage, Optimizer, Sales Cloud Everywhere, Administration (with sub-links for Users, Data, Email), and Platform Tools (with sub-links for Subscription Management). The main area has a search bar at the top right. Below it, a banner says "Welcome, sandhosh" and "Manage and customize Salesforce from Setup. Browse suggestions, explore features, and more." A "View All" link is in the top right corner. The central part of the page is titled "Achieve Popular Business Goals" and lists two items under "Cross Cloud": "Connect with Sales Prospects and Customers" and "Track & Manage Customer Data". Each item has a brief description, an "Includes" section with a bulleted list, and a progress bar indicating 3 Completed and 1 In Progress tasks, along with a "Keep Doing" button.

1. Testing Approach

Type of Testing	Purpose	Tools/Features Used
Functional Testing	Verify each module (Object creation, record updates, Flows, Triggers)	Salesforce UI, Flow Debug, Apex Test Classes
Integration Testing	Ensure data flows correctly between related objects (Donor → Food_Item → Distribution)	Schema Builder, Test Records
User Acceptance Testing (UAT)	Validate that the system meets end-user needs (Donors, Volunteers, NGOs)	Test user accounts with different profiles
Performance Testing	Check response time and system efficiency with multiple records	Developer Console & Reports
Security Testing	Ensure data privacy using Profiles & Sharing Rules	Profile Permission Setup

2. Test Scenarios and Results

Test Case ID	Module	Description	Expected Result	Actual Result	Status
TC01	Object Creation	Create custom objects: Donor, Food_Item, Volunteer, Receiver, Distribution	Objects should be created successfully	Created successfully	✓ Passed
TC02	Field Validation	Ensure required fields (Food Quantity, Expiry Date, Location) are mandatory	Validation rules prevent empty fields	Validation working	✓ Passed
TC03	Flow Automation	Auto-assign volunteer when new donation is added	Volunteer assigned automatically	Working as expected	✓ Passed
TC04	Trigger Execution	Trigger updates “Status = Delivered” after distribution	Status updated correctly	Working	✓ Passed
TC05	Profile Access	Volunteer cannot edit donor records	Access restricted	Working correctly	✓ Passed
TC06	Report Generation	Generate report for “Total Food Distributed per Week”	Accurate report generated	Data correct	✓ Passed
TC07	Dashboard Display	Show total donations and deliveries in real-time	Dashboard updates properly	Working fine	✓ Passed
TC08	Home Page	Display key metrics and shortcuts	Data visible correctly	Working	✓ Passed



Performance Testing Summary

Parameter	Expected	Observed	Result
Record Load Time	< 2 seconds	1.6 seconds	✓ Acceptable
Flow Execution	Auto-assignment within 1 sec	0.9 sec	✓ Acceptable
Report Refresh Time	< 5 seconds	3.8 seconds	✓ Acceptable
System Downtime	0%	0% during testing	✓ Stable

Security & Access Testing

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

Test Outcomes

- All functional, automation, and access controls worked successfully.
- No data loss or performance lag was observed.
- The system can handle multiple donations and user records efficiently.
- The Flows, Triggers, and Reports perform as expected.