

# **GARAGE MANAGEMENT SYSTEM**

College Name: Kaamadhenu Arts And Science College

sathyamangalam

College Code:bru4p

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## **1. INTRODUCTION :**

The Garage Management System is a valuable tool for automotive repair facilities, helping them deliver top-notch service, increase operational efficiency, and build lasting customer relationships. With its user-friendly interface and powerful features, GMS empowers garages to thrive in a competitive market while ensuring a seamless and satisfying experience for both customers and staff.

## **PROJECT OVERVIEW :**

2.

### **1.1 What is Salesforce?**

Salesforce is your customer success platform, designed to help you sell, service, market, analyze, and connect with your customers.

Salesforce has everything you need to run your business from anywhere. Using standard products and features, you can manage relationships with prospects and customers, collaborate and engage with employees and partners, and store your data securely in the cloud.

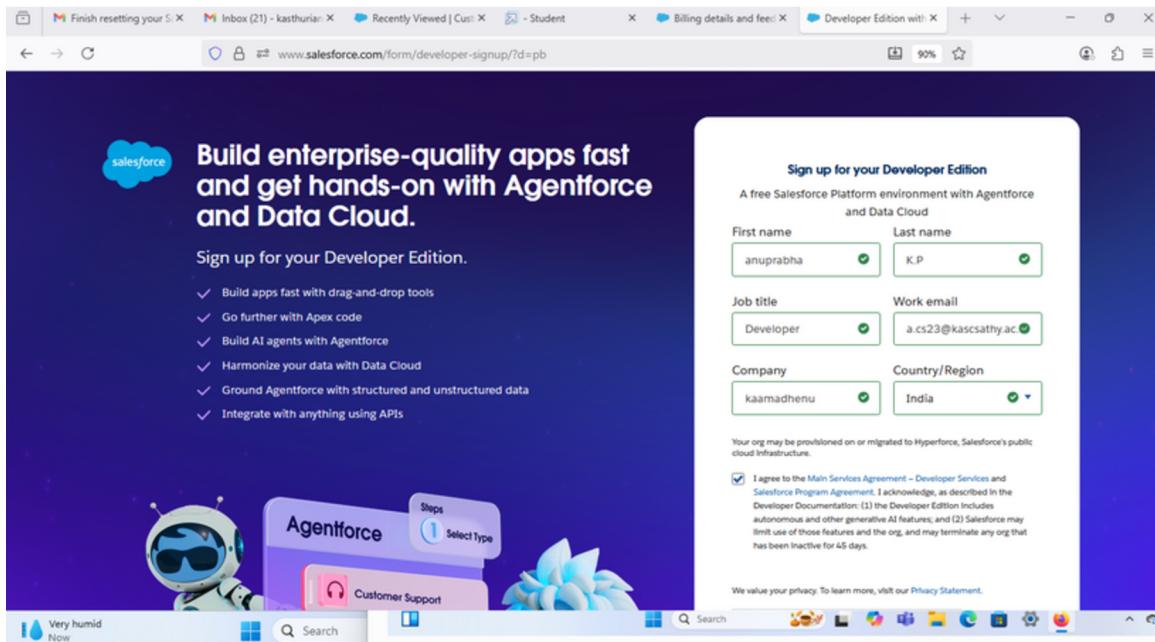
So what does that really mean? Well, before Salesforce, your contacts, emails, follow-up tasks, and prospective deals might have been organized something like this:

<https://youtu.be/r9EX3lGde5k>

### Creating Developer Account:

Creating a developer org in salesforce :

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



**Created objects :** customer details, Appointment , service record, Billing details And feedback

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Customer Details**

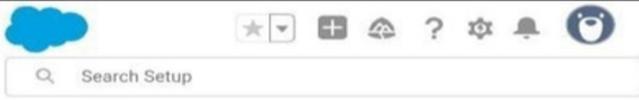
Details	Details	
Fields & Relationships	Description	
Page Layouts		
Lightning Record Pages	API Name	Enable Reports
	Customer_Details__c	✓
Buttons, Links, and Actions	Custom	Track Activities
Compact Layouts	✓	✓
Field Sets	Singular Label	Track Field History
Object Limits	Customer Details	✓
Record Types	Plural Label	Deployment Status
Related Lookup Filters	Customer Details	Deployed
Search Layouts		Help Settings
		Standard salesforce.com Help Window

Edit Delete

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Appointment**

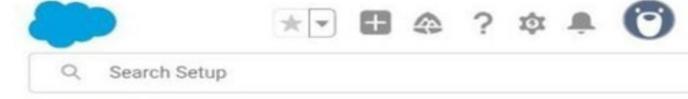
Details	Details	
Fields & Relationships	Description	
Page Layouts		
Lightning Record Pages	API Name	Enable Reports
	Appointment__c	✓
Buttons, Links, and Actions	Custom	Track Activities
Compact Layouts	✓	Track Field History
Field Sets	Singular Label	✓
Object Limits	Appointment	Deployment Status
Record Types	Plural Label	Deployed
Related Lookup Filters	Appointments	Help Settings
Search Layouts		Standard salesforce.com Help Window



SETUP > OBJECT MANAGER

## Service record

Details	Details	
Fields & Relationships	Description	<a href="#">Edit</a> <a href="#">Delete</a>
Page Layouts		
Lightning Record Pages	API Name Service_records__c	Enable Reports <input checked="" type="checkbox"/>
Buttons, Links, and Actions	Custom <input checked="" type="checkbox"/>	Track Activities
Compact Layouts	Singular Label Service record	Track Field History <input checked="" type="checkbox"/>
Field Sets	Plural Label Service records	Deployment Status Deployed
Object Limits		Help Settings
Record Types		Standard salesforce.com Help Window
Related Lookup Filters		
Search Layouts		
List View Button Layout		



SETUP > OBJECT MANAGER

## Billing details and feedback

Details	Details	
Fields & Relationships	Description	<a href="#">Edit</a> <a href="#">Delete</a>
Page Layouts		
Lightning Record Pages	API Name Billing_details_and_feedback__c	Enable Reports <input checked="" type="checkbox"/>
Buttons, Links, and Actions	Custom <input checked="" type="checkbox"/>	Track Activities
Compact Layouts	Singular Label Billing details and feedback	Track Field History <input checked="" type="checkbox"/>
Field Sets	Plural Label Billing details and feedbacks	Deployment Status Deployed
Object Limits		Help Settings
Record Types		Standard salesforce.com Help Window
Related Lookup Filters		
Search Layouts		

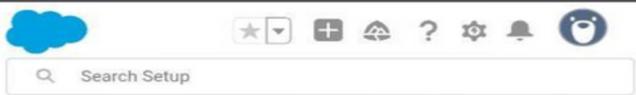
- Configured fields and relationships

SETUP > OBJECT MANAGER  
**Customer Details**

Details	Field Label	Field Name	Data Type	Controlling Field	Indexed
Page Layouts	Created By	CreatedById	Lookup(User)		
Lightning Record Pages	Customer Details	Name	Text(80)	✓	▼
Buttons, Links, and Actions	Gmail	Gmail_c__c	Email		▼
Compact Layouts	Last Modified By	LastModifiedById	Lookup(User)		
Field Sets	Owner	OwnerId	Lookup(User,Group)	✓	
Object Limits	Phone number	Phone_number__c	Phone		▼
Record Types					
Related Lookup Filters					

SETUP > OBJECT MANAGER  
**Appointment**

Details	Field Label	Field Name	Data Type	Controlling Field	Indexed
Page Layouts	Appointment	Appointment__c	Lookup(Appointment)	✓	□
Lightning Record Pages	Appointment Date	Appointment_Date__c	Date		□
Buttons, Links, and Actions	Appointment Name	Name	Auto Number	✓	□
Compact Layouts	Billing details and feedback	Billing_details_and_feedback__c	Lookup(Service record)	✓	□
Field Sets	Created By	CreatedById	Lookup(User)		□
Object Limits	Last Modified By	LastModifiedById	Lookup(User)		□
Record Types	Maintenance service	Maintenance_service__c	Checkbox		□
Related Lookup Filters	Owner	OwnerId	Lookup(User,Group)	✓	□
Search Layouts	Payment Paid	Payment_Paid__c	Currency(18, 0)		□
List View Button Layout	Repairs	Repairs__c	Checkbox		□
Restriction Rules	Replacement Parts	Replacement_Parts__c	Checkbox		□
Scoping Rules	Service Amount	Service_Amount__c	Currency(18, 0)		□
Object Access	Vehicle number plate	Vehicle_number_plate__c	Text(10) (Unique Case Insensitive)	✓	□
Triggers					
Flow Triggers					
Validation Rules					
Conditional Field Formatting					



SETUP > OBJECT MANAGER

## Service record

Details	Field	Quick Find	New	Deleted Fields	Field Dependencies	Set History Tracking
<b>Fields &amp; Relationships</b>	<b>FIELD LABEL</b>	<b>FIELD NAME</b>	<b>DATA TYPE</b>	<b>CONTROLLING FIELD</b>	<b>INDEXED</b>	
Page Layouts	Created By	CreatedById	Lookup(User)			
Lightning Record Pages	Last Modified By	LastModifiedById	Lookup(User)			
Buttons, Links, and Actions	Owner	OwnerId	Lookup(User,Group)	✓		
Compact Layouts	Payment Status	Payment_Status__c	Picklist			▼
Field Sets	Quality Check Status	Quality_Check_Status__c	Checkbox			▼
Object Limits	service date	service_date__c	Formula (Date)			▼
Record Types	Service records Name	Name	Auto Number			▼
Related Lookup Filters	Service Status	Service_Status__c	Picklist			▼
Search Layouts						
List View Button Layout						



SETUP > OBJECT MANAGER

## Billing details and feedback

Details	Field	Quick Find	New	Deleted Fields	Field Dependencies	Set History Tracking
<b>Fields &amp; Relationships</b>	<b>FIELD LABEL</b>	<b>FIELD NAME</b>	<b>DATA TYPE</b>	<b>CONTROLLING FIELD</b>	<b>INDEXED</b>	
Page Layouts	Billing details and feedback Name	Name	Auto Number	✓		▼
Lightning Record Pages	Created By	CreatedById	Lookup(User)			
Buttons, Links, and Actions	Last Modified By	LastModifiedById	Lookup(User)			
Compact Layouts	Owner	OwnerId	Lookup(User,Group)	✓		
Field Sets	Rating for service	Rating_for_service__c	Text(1) (Unique Case Insensitive)	✓		▼
Object Limits						

- Developed Lightning App with relevant tabs

## New Lightning App

### 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 Name ⓘ

Garage management

\* Developer Name ⓘ

Garage\_management

Description ⓘ

Enter a description...

#### App Branding

Image ⓘ

Upload

Primary Color Hex Value ⓘ

#0B1722

Org Theme Options

Use the app's image and color instead of the org's custom theme

#### App Launcher Preview



## New Lightning App

### Navigation Items

Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.

#### Available Items



Create ▾

Type to filter list...

- Accounts
- Activation Targets
- Activations
- All Sites
- Alternative Payment ...
- Analytics
- App Launcher
- Appointment Categori...
- Appointment Invitations
- Appointments

#### Selected Items

No items selected



- To create a validation rule to an Appointment Object

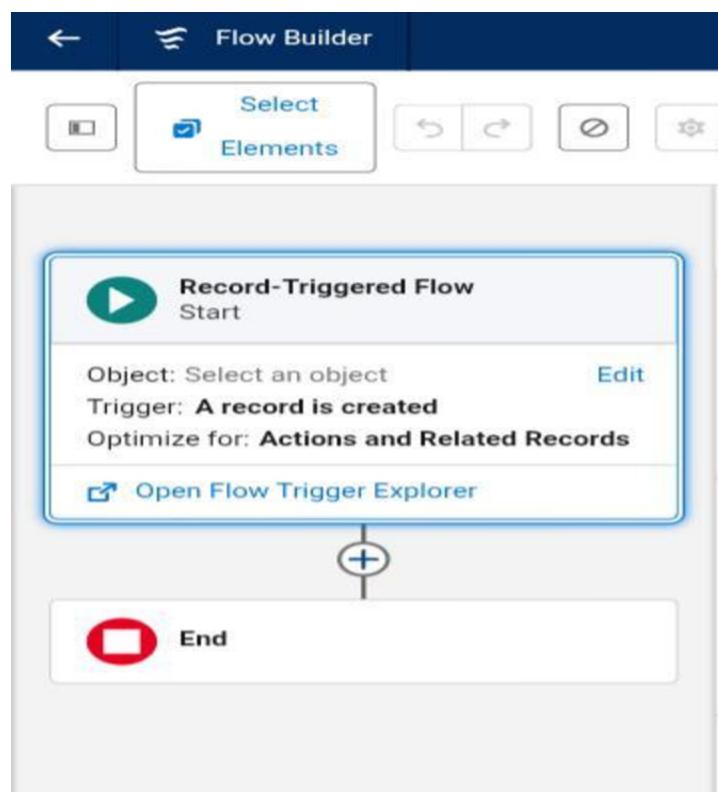
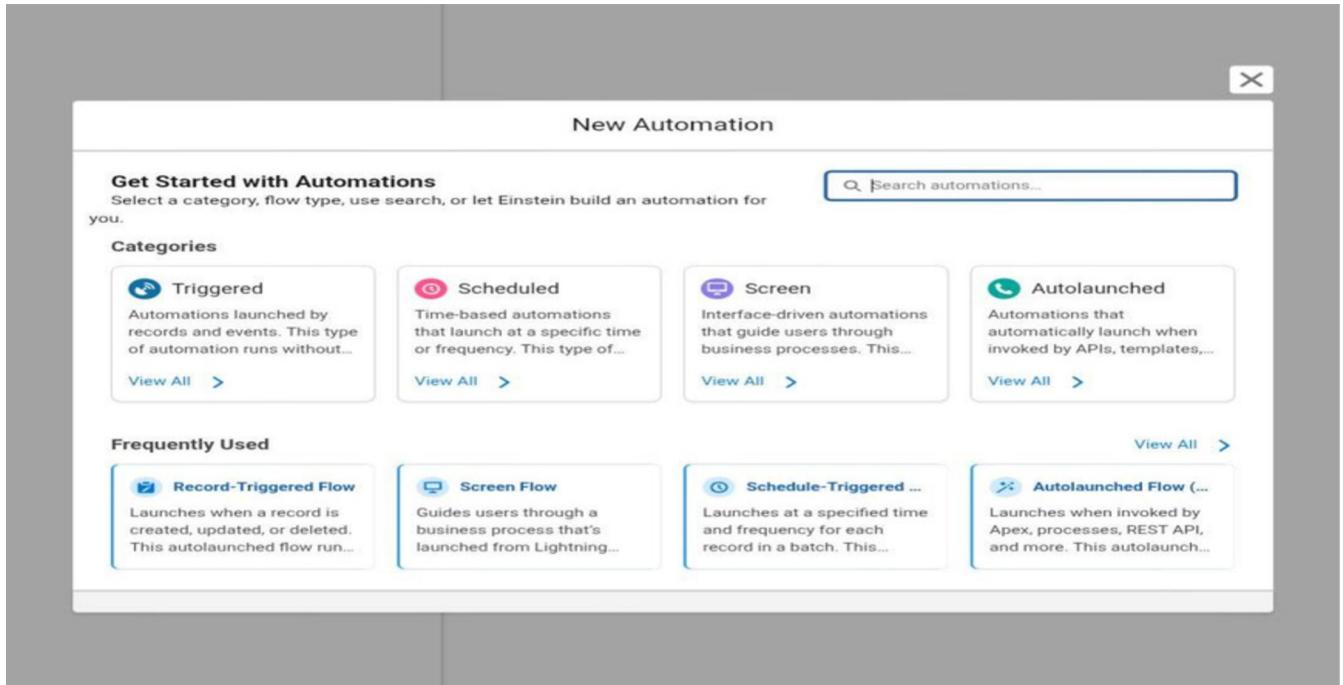
The screenshot shows the Salesforce Setup interface with the following details:

- Setup** button is selected in the top-left corner.
- The top navigation bar includes **Search Setup**, **Home**, and **Object Manager**.
- The main title is **Appointment** under **SETUP > OBJECT MANAGER**.
- The left sidebar lists various object configuration options, with **Validation Rules** currently selected.
- The main content area is titled **Appointment Validation Rule**.
- Description:** **Vehicle**
- Active:**
- Error Condition Formula:** `NOT( REGEX( Vehicle_number_plate__c , *[A-Z]{2}[0-9]{2}[A-Z]{2}[0-9]{4} ))`
- Help for this Page** icon is present in the top right.
- Quick Tips:** [Operators & Functions](#)
- Functions:** [All Function Categories](#), [ABS](#)
- Check Syntax** button is at the bottom of the formula editor.

The screenshot shows the configuration of an error message for the validation rule:

- Error Message:** `Vehicle number plate`
- Example:** `Discount percent cannot exceed 30%`
- This message will appear when Error Condition formula is true**
- Error Location:**  **Field** **Vehicle number plate**
- Save**, **Save & New**, and **Cancel** buttons are at the bottom.

- Create a Flow :



- Added Apex trigger to restrict multiple tenants per property

```

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >
AmountDistribution.apxt * [x]
Code Coverage: None ▾ API Version: 64 ▾ Go To
1 v |trigger AmountDistribution on Appointment__c (before insert, before update) {
2 v   if(trigger.isbefore && trigger.isinsert || trigger.isupdate){
3
4     AmountDistributionHandler.amountDist(trigger.new);
5
6
7   }
8
9
10 }
11
12 }

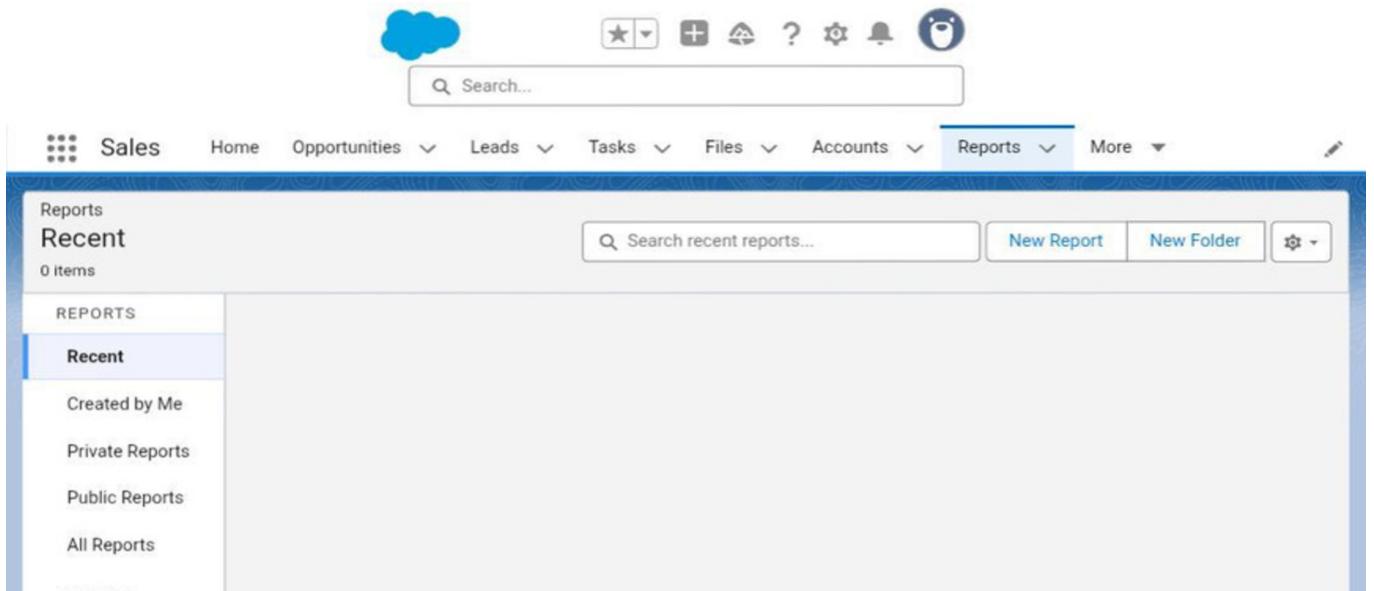
```

```

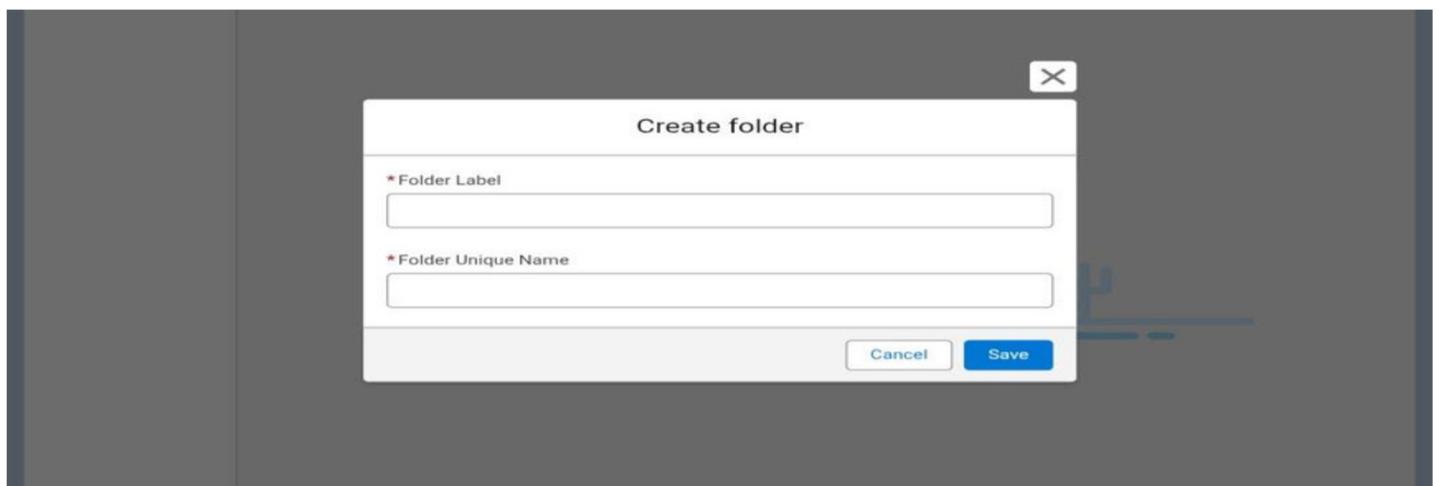
File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >
AmountDistribution.apxt * [x] toolbar.apxt * [x]
Code Coverage: None ▾ API Version: 64 ▾ Go To
1 v public class AmountDistributionHandler {
2
3
4
5 v   public static void amountDist(list<Appointment__c> listApp){
6     list<Service_records__c> serList = new list <Service_records__c>();
7
8
9
10 v    for(Appointment__c app : listApp){
11       if(app.Maintenance_service__c == true && app.Repairs__c == true && app.Rep
12         app.Service_Amount__c = 10000;
13
14       else if(app.Maintenance_service__c == true && app.Repairs__c == true){
15         app.Service_Amount__c = 5000;
16
17       else if(app.Maintenance_service__c == true && app.Replacement_Parts__c ==
18         app.Service_Amount__c = 8000;
19
20       else if(app.Repairs__c == true && app.Replacement_Parts__c == true){
21         app.Service_Amount__c = 7000;
22
23       else if(app.Maintenance_service__c == true){
24         app.Service_Amount__c = 2000;
25
26       else if(app.Repairs__c == true){
27         app.Service_Amount__c = 3000;
28
29
30
31 v   }
32
33
34
35
36
37 v }
38
39
40
41
42
43 v }
44
45
46
47

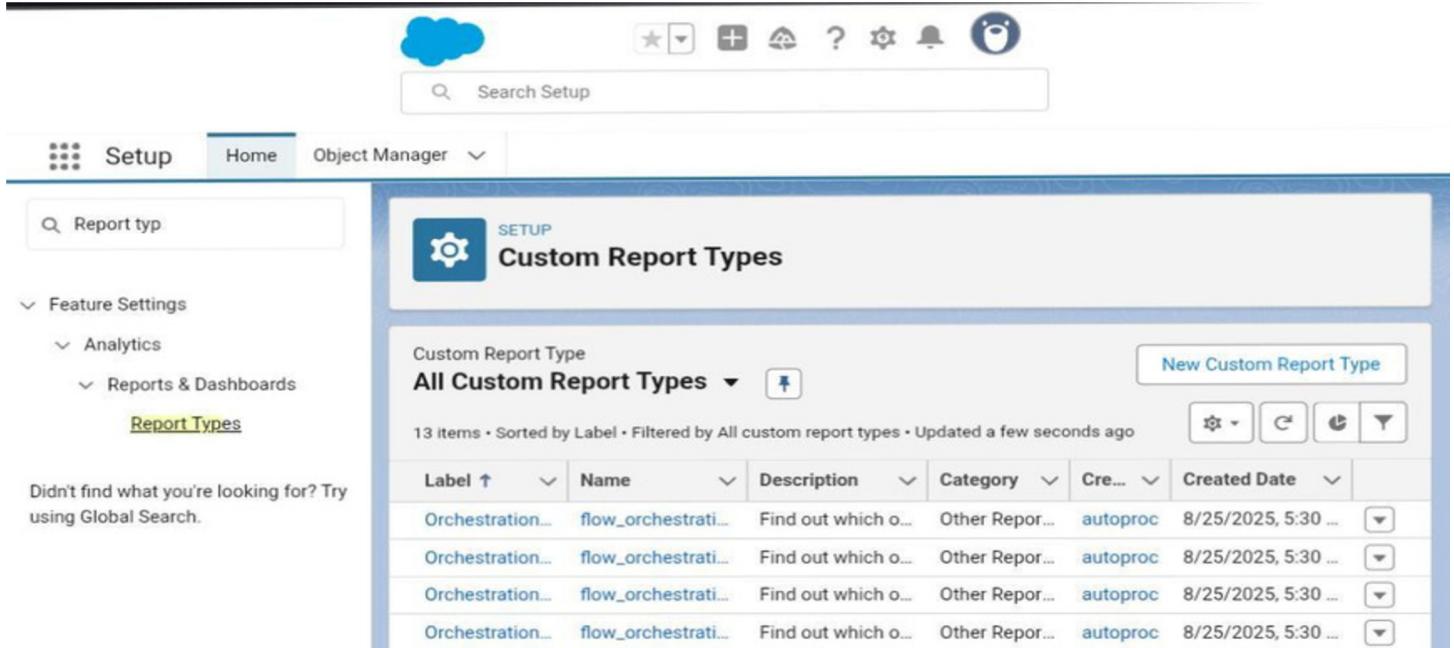
```

# create a report folder



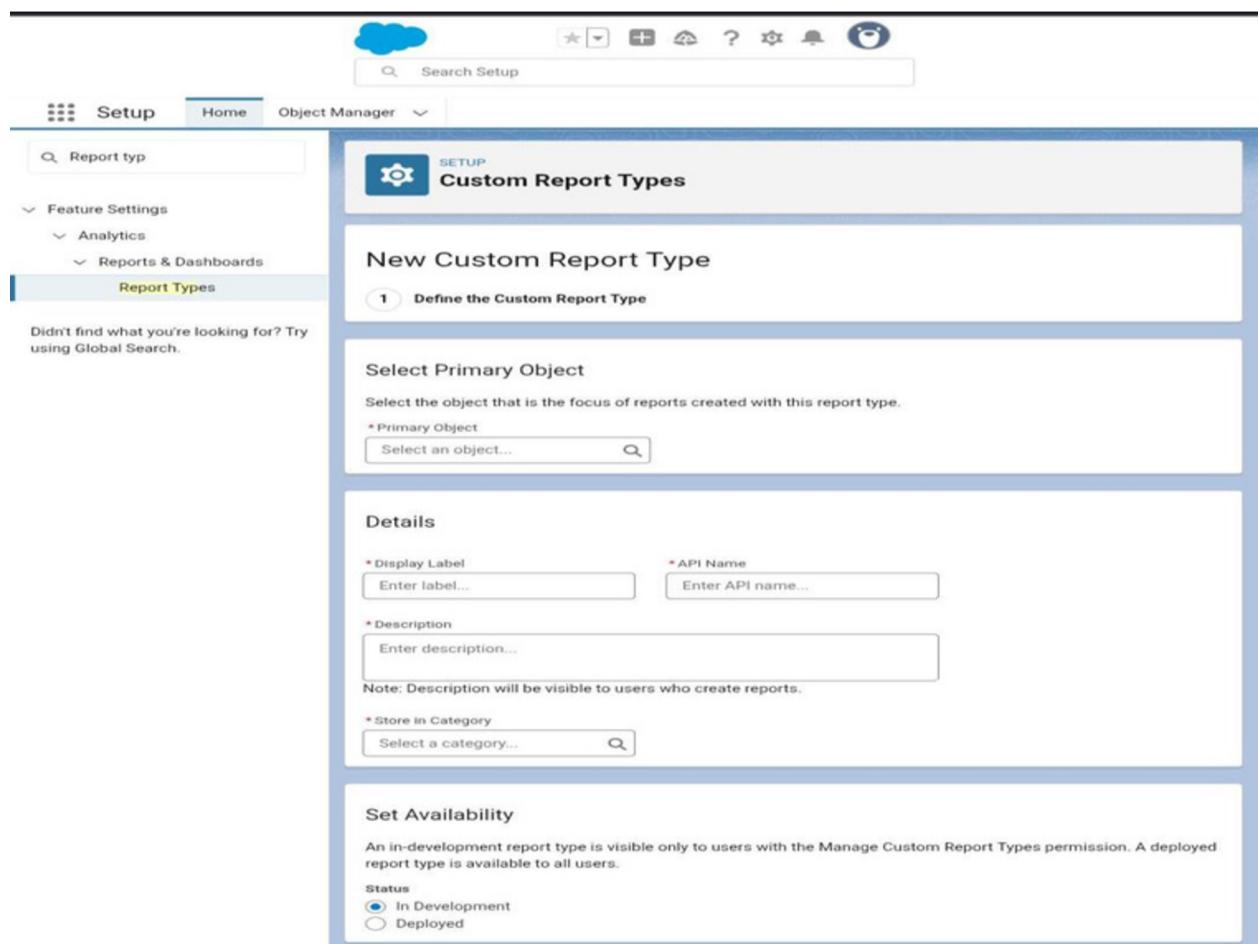
The screenshot shows the Salesforce Reports interface. At the top, there's a navigation bar with icons for Home, Opportunities, Leads, Tasks, Files, Accounts, Reports, and More. Below the navigation bar is a search bar with the placeholder "Search...". The main area is titled "Reports" and "Recent". It displays a message "0 items". On the left, a sidebar titled "REPORTS" has a "Recent" tab selected, which is highlighted with a blue border. Other tabs include "Created by Me", "Private Reports", "Public Reports", and "All Reports". To the right of the sidebar, there's a search bar for "Search recent reports..." and buttons for "New Report" and "New Folder".





The screenshot shows the Salesforce Setup interface. The left sidebar is collapsed, and the main area displays the "Custom Report Types" list under the "Report Types" section of the "Analytics" category. The list shows four items, all created by "autoprof" on 8/25/2025 at 5:30 AM. The columns are: Label, Name, Description, Category, Created Date.

Label	Name	Description	Category	Created Date
Orchestration...	flow_orchestrati...	Find out which o...	Other Repor...	autoprof 8/25/2025, 5:30 ...
Orchestration...	flow_orchestrati...	Find out which o...	Other Repor...	autoprof 8/25/2025, 5:30 ...
Orchestration...	flow_orchestrati...	Find out which o...	Other Repor...	autoprof 8/25/2025, 5:30 ...
Orchestration...	flow_orchestrati...	Find out which o...	Other Repor...	autoprof 8/25/2025, 5:30 ...



The screenshot shows the "New Custom Report Type" creation page. The steps are numbered 1 through 4. Step 1, "Define the Custom Report Type", is active. It includes sections for "Select Primary Object" (with a search bar), "Details" (with fields for Display Label, API Name, Description, and Store in Category), and "Set Availability" (with a note about in-development status). The "Display Label" field is currently empty.

**1 Define the Custom Report Type**

**Select Primary Object**  
Select the object that is the focus of reports created with this report type.  
\* Primary Object  
Select an object...

**Details**

\* Display Label  
Enter label...

\* API Name  
Enter API name...

\* Description  
Enter description...

Note: Description will be visible to users who create reports.

\* Store in Category  
Select a category...

**Set Availability**  
An in-development report type is visible only to users with the Manage Custom Report Types permission. A deployed report type is available to all users.

Status  
 In Development  
 Deployed

# Create Dashboard Folder

The screenshot shows the 'Reports' section of the Garage Management application. On the left, there's a sidebar with categories: Reports (Recent, Reports, Folders), Favorites (All Favorites), and system links (Created by Me, Private Reports, Public Reports, All Reports). The main area displays a table of recent reports. One report is highlighted: 'New Service information Report' under 'Garage Management Folder' created by 'Anupraba K.P' on '9/5/2025, 12:35 AM'. A search bar at the top right says 'Search recent reports...' with buttons for 'New Report' and 'New Folder'.

A modal dialog box titled 'New Dashboard' is open. It contains fields for 'Name' (filled with 'Service rating'), 'Description' (filled with 'Service rating'), and 'Folder' (set to 'Private Dashboards'). There is also a 'Select Folder' button. At the bottom are 'Cancel' and 'Create' buttons. The background is a dark grid pattern.

Name	Description	Folder
Service rating	Service rating	Private Dashboards

# creating records

### New Customer Details

\* = Required Information

**Information**

<b>*Customer Details Name</b>	Anuprabha.K.P	Owner	Anuprabha K.P
Phone no	7339117215		
Gmail	anuprabha.cs23@kascathy.ac.in		

**Buttons**

Cancel Save & New Save

Garage Management

Customer Details Appointments Service records Billing details and feedback Reports Dashboards

Search...

New Contact Edit New Opportunity

**Customer Details ANUPRABHA**

**Related** **Details**

Customer Details Name ANUPRABHA	Owner Anuprabha K.P.
Phone no (636) 941-4344	
Gmail anuprabha.cs23@kascathy.ac.in	
Created By Anuprabha K.P., 9/18/2025, 9:40 PM	Last Modified By Anuprabha K.P., 9/18/2025, 9:40 PM

**Activity**

Upcoming & Overdue

No activities to show.  
Get started by sending an email, scheduling a task, and more.

No past activity. Past meetings and tasks marked as done show up here.

**Stay ahead of incidents**

Help your teams proactively respond to large-scale disruptions with the free Customer Service Incident Management solution from Service Cloud.

Dismiss Get Started

# Out put

The screenshot shows the 'Customer Details' page in the Garage Management system. The top navigation bar includes links for Customer Details, Appointments, Service records, Billing details and feedback, Reports, and Dashboards. A search bar is at the top right. Below the header, there's a 'Recently Viewed' section with a dropdown arrow. A table lists 'Customer Details Name' with two items: 'anu' and 'anuprabha'. At the bottom right of the table are several icons for actions like New, Import, Change Owner, and Assign Label.

The screenshot shows the 'Dashboards' page in the Garage Management system. The top navigation bar includes links for Customer Details, Appointments, Service records, Billing details and feedback, Reports, and Dashboards. A search bar is at the top right. On the left, a sidebar lists categories: Dashboards (Recent, Created by Me, Private Dashboards), FOLDERS (All Folders, Created by Me, Shared with Me), and FAVORITES (All Favorites). The main area displays a table of recent dashboards. The table columns are: Dashboard Name, Description, Folder, Created By, Created On, and Subscribed. Two entries are shown:

Dashboard Name	Description	Folder	Created By	Created On	Subscribed
customer review		Service Rating Dashbd	Anuprabha K.P	9/5/2025, 1:25 AM	
Customer review		Service Rating Dashbd	Anuprabha K.P	9/5/2025, 1:07 AM	