

GARAGE MANAGEMENT SYSTEM

College Name: Government Arts College Coimbatore

College Code : bru0012

Team ID : NM2025TMID23405

TEAM LEADER NAME: DEEPANYA.K.C

EMAIL: deepanyakaruppusamy@gmail.com

TEAM MEMBER: REVATHI.S

EMAIL: sangunathanrevathi@gmail.com

TEAM MEMBER: KALYANI.M

EMAIL: kalyanikalai743@gmail.com

TEAM MEMBER: MANIMEGALAI.I

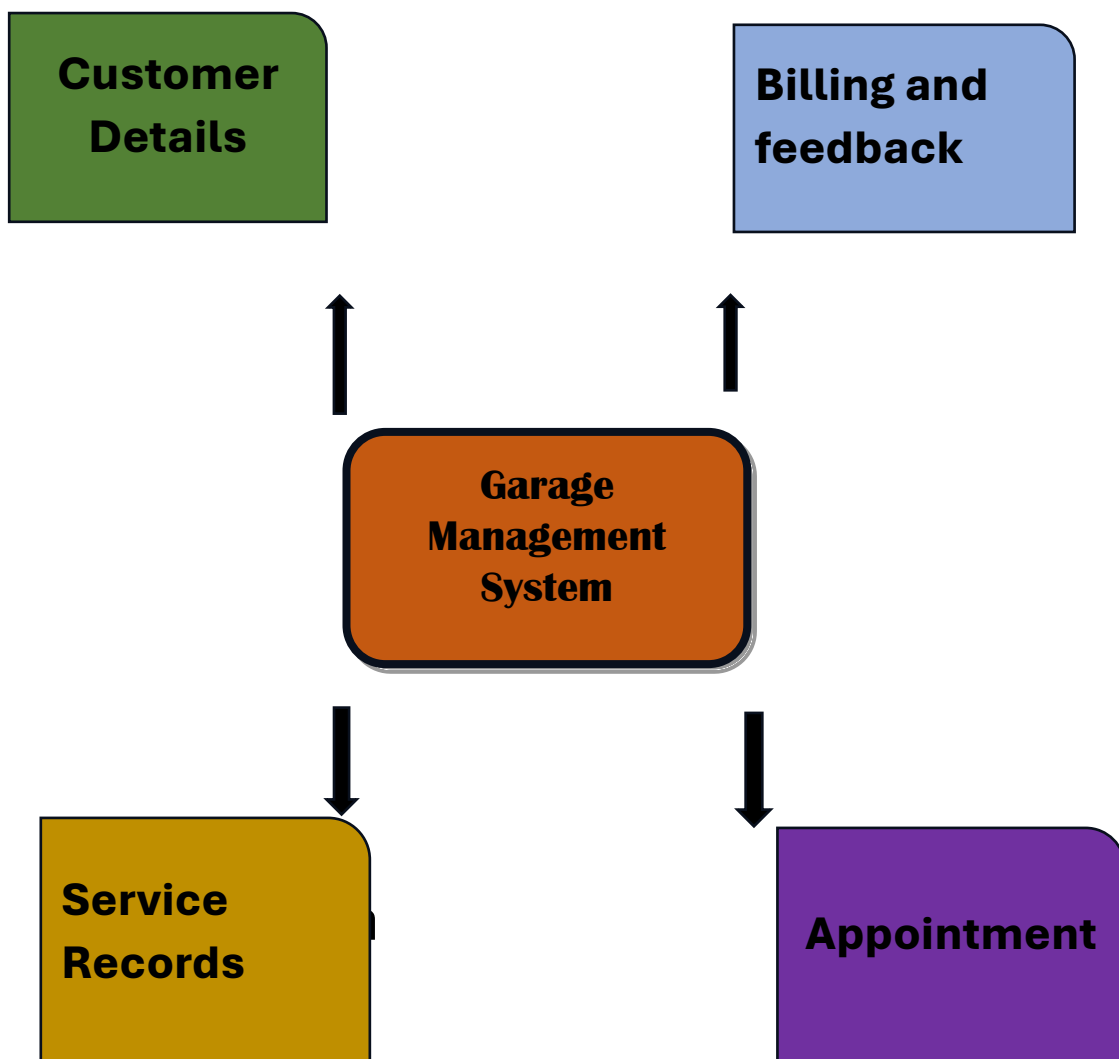
EMAIL: manimegalaii2005@gmail.com

INTRODUCTION

1.1 Project Overview

Garage Management system

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.

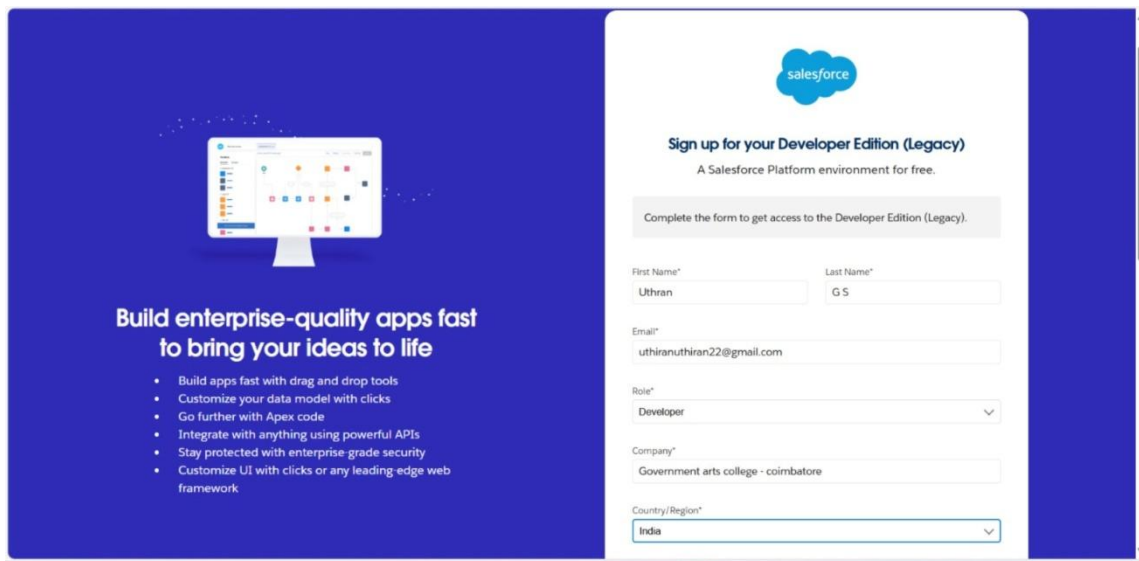


1.2 DEVELOPMENT PHASE

- Creating developer Account:

By using this URL -

<https://developer.salesforce.com/signup>



Build enterprise-quality apps fast to bring your ideas to life

- Build apps fast with drag and drop tools
- Customize your data model with clicks
- Go further with Apex code
- Integrate with anything using powerful APIs
- Stay protected with enterprise grade security
- Customize UI with clicks or any leading edge web framework

Sign up for your Developer Edition (Legacy)
A Salesforce Platform environment for free.

Complete the form to get access to the Developer Edition (Legacy).

First Name*
Uthran

Last Name*
G S

Email*
uthiranuthiran22@gmail.com

Role*
Developer


Company*
Government arts college - coimbatore

Country/Region*
India

1.2 Creating Objects

- 1) Customer Details
- 2) Appointment
- 3) ServiceRecords
- 4) Billing and Feedback

1.Customer object



[Setup](#)
[Home](#)
[Object Manager](#)

[SETUP > OBJECT MANAGER](#)

Customer Details

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Details

Description

API Name

Customer_Detail__c

Custom

✓

Singular Label

Customer Details

Plural Label

Customer Details

Enable Reports

✓

Track Activities

Track Field History

✓

Deployment Status

Deployed


Help Settings








Standard salesforce.com Help Window


Edit

Delete

2. Appointment object






Setup

Home

Object Manager 

SETUP > OBJECT MANAGER

Appointment

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Details

Description

API Name

Appointment_c

Custom

Singular Label

Appointment

Plural Label

Appointments

Enable Reports

Track Activities

Track Field History

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Edit

Delete

3. Service Record Object

The screenshot shows the Salesforce Setup interface for the 'Service records' object. The top navigation bar includes the Salesforce logo, a search bar, and various utility icons. The left sidebar shows the 'Setup' menu with 'Object Manager' selected. The main content area is titled 'Service records' and displays the 'Details' tab. The details are organized into two columns. The left column contains fields like 'API Name' (Service_record__c), 'Custom' (checked), 'Singular Label' (Service records), and 'Plural Label' (Service records). The right column contains settings like 'Enable Reports' (checked), 'Track Activities' (checked), 'Track Field History' (checked), 'Deployment Status' (Deployed), and 'Help Settings' (Standard salesforce.com Help Window). 'Edit' and 'Delete' buttons are visible in the top right corner.

Field	Value
API Name	Service_record__c
Custom	✓
Singular Label	Service records
Plural Label	Service records

Setting	Value
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

4. Billing and Feedback Object

The screenshot shows the Salesforce Setup interface for the 'Billing details and feedback' object. The top navigation bar includes the Salesforce logo, a search bar, and various utility icons. The left sidebar shows the 'Setup' menu with 'Object Manager' selected. The main content area is titled 'Billing details and feedback' and displays the 'Details' tab. The details are organized into two columns. The left column contains fields like 'API Name' (Billing_detail_and_feedback__c), 'Custom' (checked), 'Singular Label' (Billing details and feedback), and 'Plural Label' (Billing details and feedbacks). The right column contains settings like 'Enable Reports' (checked), 'Track Activities' (checked), 'Track Field History' (checked), 'Deployment Status' (Deployed), and 'Help Settings' (Standard salesforce.com Help Window). 'Edit' and 'Delete' buttons are visible in the top right corner.

Field	Value
API Name	Billing_detail_and_feedback__c
Custom	✓
Singular Label	Billing details and feedback
Plural Label	Billing details and feedbacks

Setting	Value
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

1.3 CREATING CUSTOM TABS

The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with "tabs" entered and a list of categories under "User Interface", with "Tabs" selected. The main content area is titled "Custom Tabs" and includes a "Help for this Page" link. Below the title, there is a paragraph explaining that custom tabs can be created to extend Salesforce functionality. A table titled "Custom Object Tabs" lists existing tabs with columns for Action, Label, Tab Style, and Description. The table contains four rows: "Appointments" (Alarm clock icon), "Billing details and feedbacks" (Credit card icon), "Customer Details" (Gears icon), and "Service records" (Books icon). Each row has "Edit" and "Delete" links. At the bottom of the page, a URL is visible: `https://orgfarm-11c3f81f55-dev-ed.develop.lightning.force.com/lightning/setup/RenameTab/home`.

Action	Label	Tab Style	Description
Edit Del	Appointments	Alarm clock	
Edit Del	Billing details and feedbacks	Credit card	
Edit Del	Customer Details	Gears	
Edit Del	Service records	Books	

1.3 CREATING LIGHTNING APP

The screenshot shows the Salesforce Lightning App Builder interface. The top navigation bar includes "Lightning App Builder", "App Settings", "Pages", and "Garage Management Application". The left sidebar has a search bar and a list of categories under "App Settings", with "App Details & Branding" selected. The main content area is titled "App Details & Branding" and includes a paragraph explaining that users can give their Lightning app a name and description, upload an image, and choose a highlight color. The page is divided into two columns: "App Details" and "App Branding". The "App Details" column contains fields for "App Name" (Garage Management Application), "Developer Name" (Garage_Management_Application), and "Description" (Enter a description...). The "App Branding" column contains an "Image" upload button, a "Primary Color Hex Value" dropdown (set to #0070D2), and "Org Theme Options" (a checkbox to use the app's image and color instead of the org's custom theme). At the bottom, there is an "App Launcher Preview" showing a blue button with "GM" and the text "Garage Management Appli...".

1.4 Configuring fields and relationships

The screenshot shows the Salesforce Setup interface for the 'Customer Details' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Customer Details' and 'Fields & Relationships'. It shows a table with 6 items, sorted by Field Label. The table has columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Created By, Customer Name, Gmail, Last Modified By, Owner, and Phone number.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Customer Name	Name	Text(80)		✓
Gmail	Gmail__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone number	Phone_number__c	Phone		

The screenshot shows the Salesforce Setup interface for the 'Appointment' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships (selected), Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Appointment' and 'Fields & Relationships'. It shows a table with 11 items, sorted by Field Label. The table has columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are: Appointment Date, Appointment Name, Created By, Customer Details, Last Modified By, and Maintenance service.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Appointment Date	Appointment_Date__c	Date		
Appointment Name	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
Customer Details	Customer_Details__c	Lookup(Customer Details)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Maintenance service	Maintenance_service__c	Checkbox		

Setup Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Service records

Details

Fields & Relationships
8 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

Created By	CreatedById	Lookup(User)	
Last Modified By	LastModifiedById	Lookup(User)	
Owner	OwnerId	Lookup(User,Group)	✓
Quality Check Status	Quality_Check_Status__c	Checkbox	
service date	service_date__c	Formula (Date)	
Service records Name	Name	Auto Number	✓
Service Status	Service_Status__c	Picklist	

Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters

Setup Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Billing details and feedback

Details

Fields & Relationships
8 Items, Sorted by Field Label

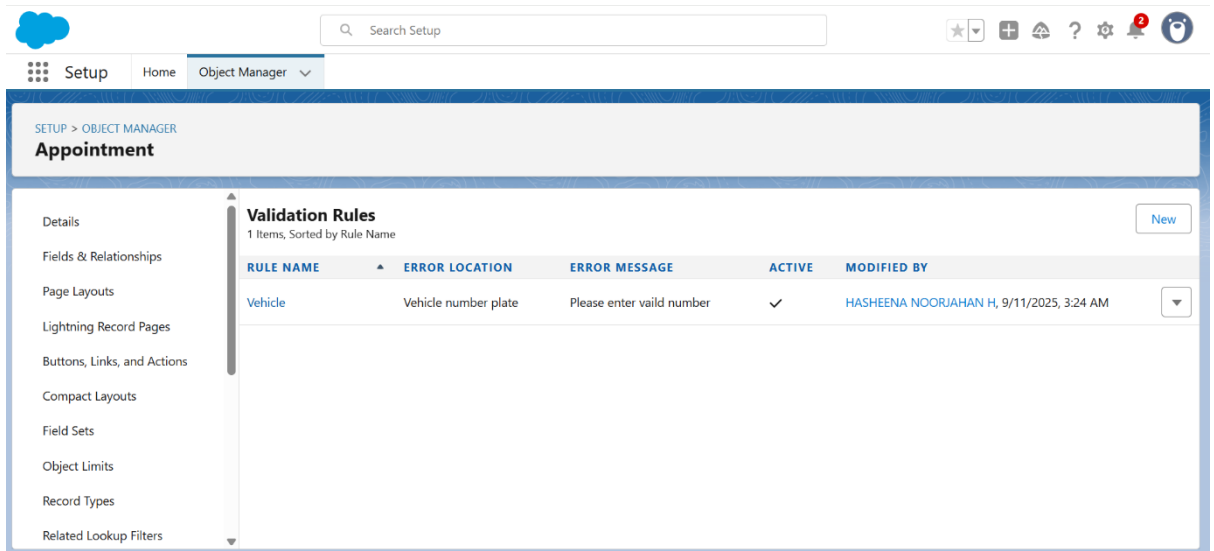
Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Billing detail and feedback nameName	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Payment Paid	Payment_Paid__c	Currency(18, 0)		
Payment Status	Payment_Status__c	Picklist		
Rating for service	Rating for service__c	Text(1)		

Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters

1.5 To create a validation rule

- To an Appointment Object



SETUP > OBJECT MANAGER

Appointment

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

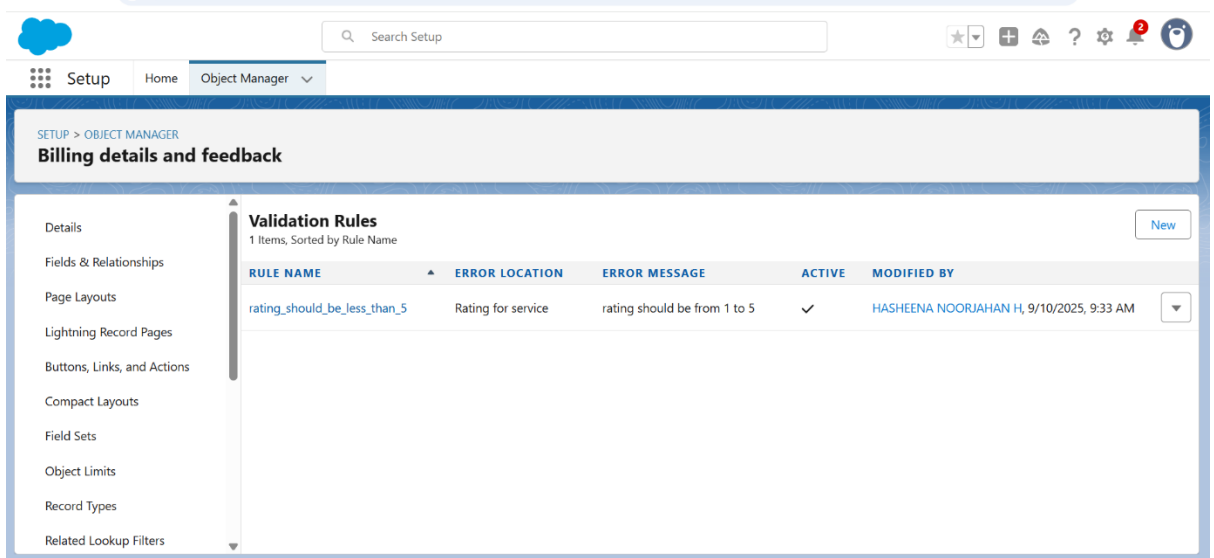
Validation Rules

1 Items, Sorted by Rule Name

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Vehicle	Vehicle number plate	Please enter valid number	✓	HASHEENA NOORJAHAN H, 9/11/2025, 3:24 AM

New

- **To an Billing and feedback Object**



SETUP > OBJECT MANAGER

Billing details and feedback

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Validation Rules

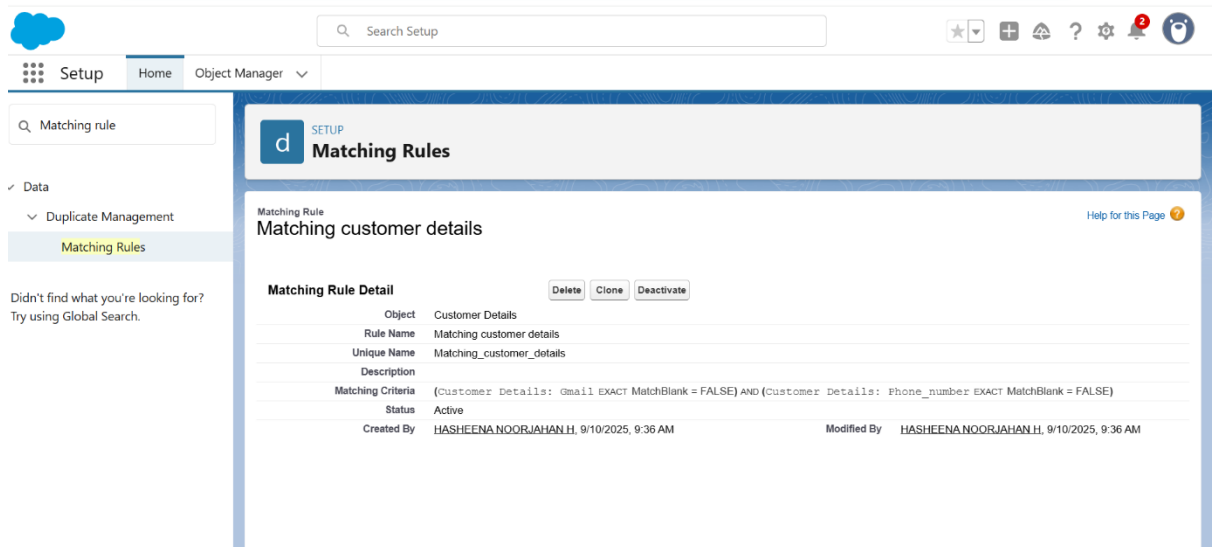
1 Items, Sorted by Rule Name

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
rating_should_be_less_than_5	Rating for service	rating should be from 1 to 5	✓	HASHEENA NOORJAHAN H, 9/10/2025, 9:33 AM

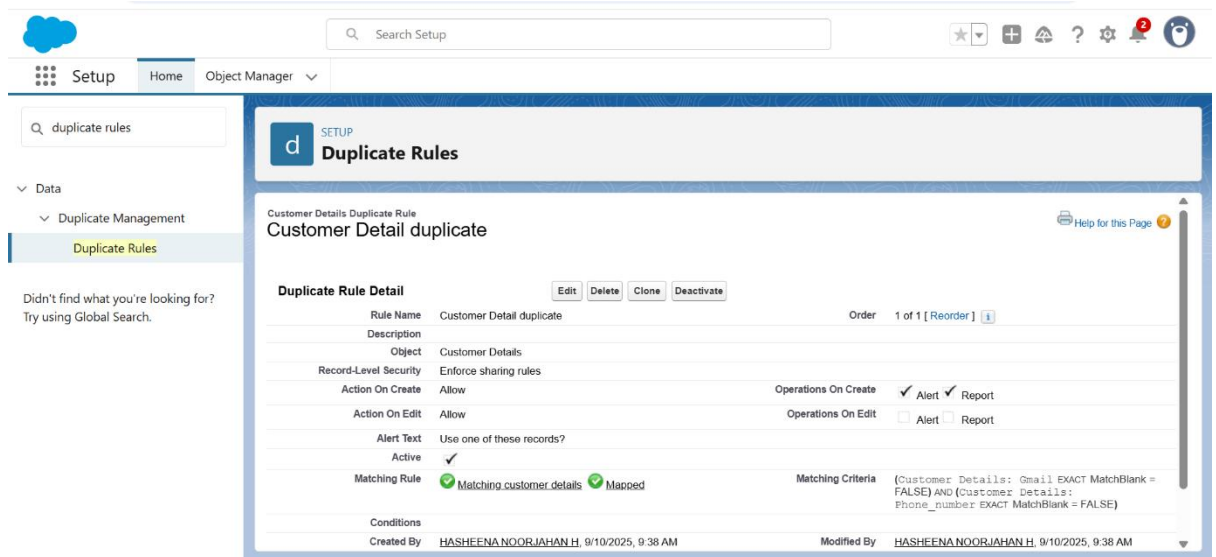
New

1.6 DUPLICATE RULE

- ***To create a matching rule to an Customer details Object***



- **To create a Duplicate rule to an Customer details Object**



1.7 PROFILES

- **Creating Manager Profile**

The screenshot shows the Salesforce Setup interface with the 'Profiles' page selected. The left sidebar shows 'Setup' > 'Users' > 'Profiles'. The main content area is titled 'Profiles' and shows the configuration for the 'Manager' profile. The profile is managed by 'HASHEENA NOORJAHAN H.' and was created on 9/10/2025 at 9:43 AM. The profile is associated with the 'Salesforce' user license and has a 'Custom Profile' checked. The 'Page Layouts' section shows 'Standard Object Layouts' with a 'Global' layout assigned.

Profile Manager

Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.

If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.

Profile Detail

Name	Manager
User License	Salesforce
Description	
Created By	HASHEENA NOORJAHAN H. 9/10/2025, 9:43 AM
Modified By	HASHEENA NOORJAHAN H. 9/10/2025, 10:11 AM

Page Layouts

Standard Object Layouts

Global	Global Layout

- ***Creating sales person profile***

The screenshot shows the Salesforce Setup interface with the 'Profiles' page selected. The left sidebar shows 'Setup' > 'Users' > 'Profiles'. The main content area is titled 'Profiles' and shows the configuration for the 'sales person' profile. The profile is managed by 'HASHEENA NOORJAHAN H.' and was created on 9/10/2025 at 9:53 AM. The profile is associated with the 'Salesforce Platform' user license and has a 'Custom Profile' checked. The 'Page Layouts' section shows 'Standard Object Layouts' with a 'Global' layout assigned.

Profile sales person

Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.

If your organization uses Record Types, use the Edit links in the Record Type Settings section below to make one or more record types available to users with this profile.

Profile Detail

Name	sales person
User License	Salesforce Platform
Description	
Created By	HASHEENA NOORJAHAN H. 9/10/2025, 9:53 AM
Modified By	HASHEENA NOORJAHAN H. 9/10/2025, 9:54 AM

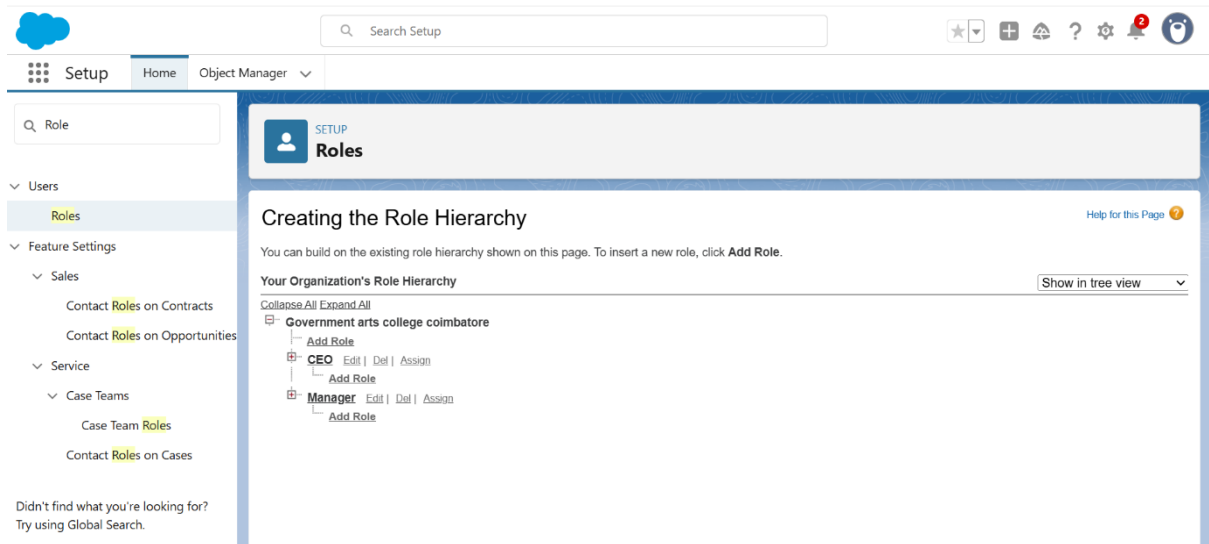
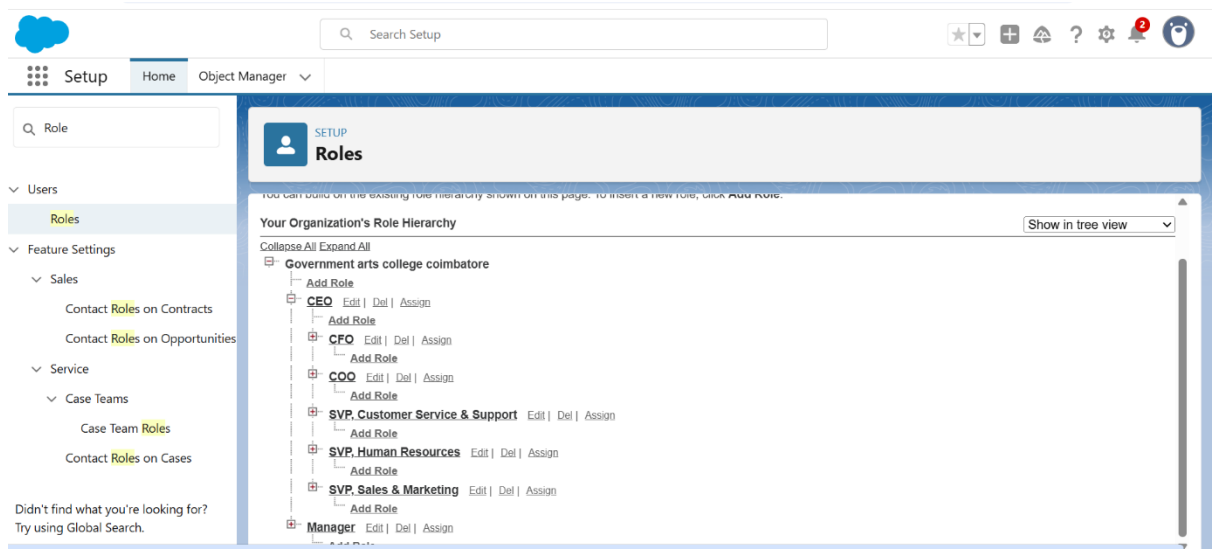
Page Layouts

Standard Object Layouts

Global	Global Layout [View Assignment]

1.8 ROLE & ROLE HIERARCHY

- **Creating Manager Role & Another roles**



1.9 USERS

- **Creating users**

Users

View: [All Users](#) [Edit](#) [Create New View](#)

[New User](#) [Reset Password\(s\)](#) [Add Multiple Users](#)

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	Chatter Expert	Chatter	chatty.00d9k0000apqmuaj.gubb1lojkdBg@chatter.salesforce.com		✓	Chatter Free User
Edit	EPIC_OrgFarm	OEPIG	epic.021101418582@orgfarm.salesforce.com		✓	System Administrator
Edit	Mikaelson_Niklaus	nmika	haseenanoorjahan4@gmail.com	Manager	✓	Manager
Edit	neil_kenel	kneil	haseenanoorjahan4@gmail.com	sales_person	✓	sales_person
Edit	NOORJAHAN H. HASHEENA	has	haseenanoorjahan4243@apenforce.com		✓	System Administrator
Edit	User_Integration	integ	integration@00d9k0000apqmuaj.com		✓	Analytics Cloud Integration User
Edit	User_Security	sec	insightssecurity@00d9k0000apqmuaj.com		✓	Analytics Cloud Security User
Edit	Wade_Neil	nwade	waden@gmail.com	sales_person	✓	sales_person

[New User](#) [Reset Password\(s\)](#) [Add Multiple Users](#)

1.10 PUBLIC GROUPS

- *Creating New Public Group*

Public Groups

Group: **sales team** [Help for this Page](#)

[Edit](#) [Delete](#) [View Summary](#)

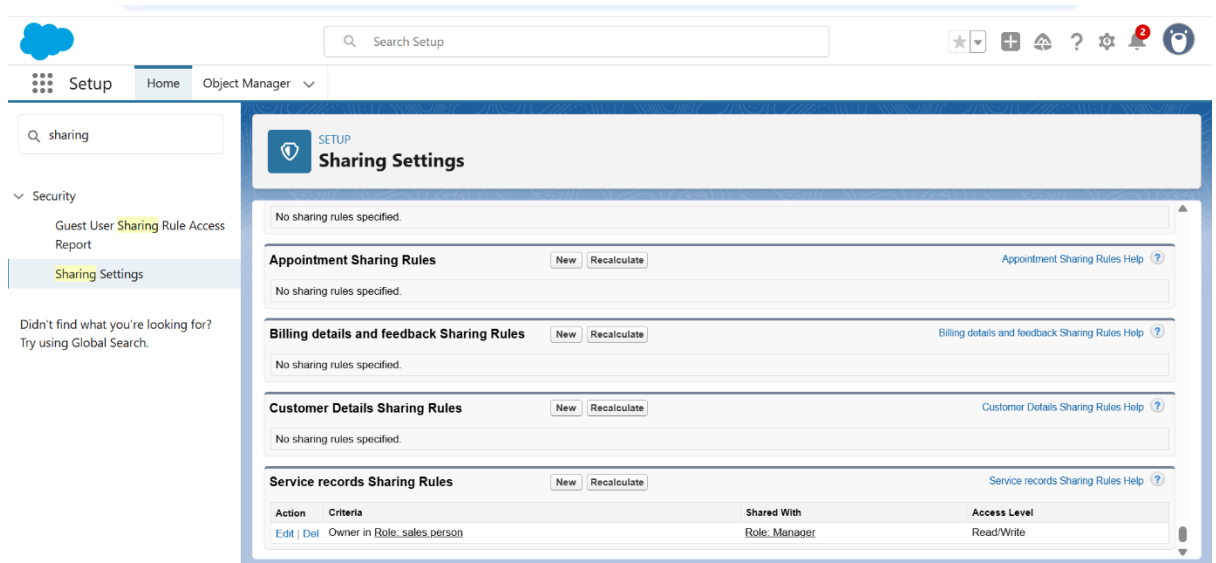
Label	sales team
Group Name	sales_team
Grant Access Using Hierarchies	✓
Description	
Created By	HASHEENA.NOORJAHAN.H, 9/10/2025, 10:26 AM
Modified By	HASHEENA.NOORJAHAN.H, 9/10/2025, 10:26 AM

[View All Users](#)

Name	Type
sales_person	Role

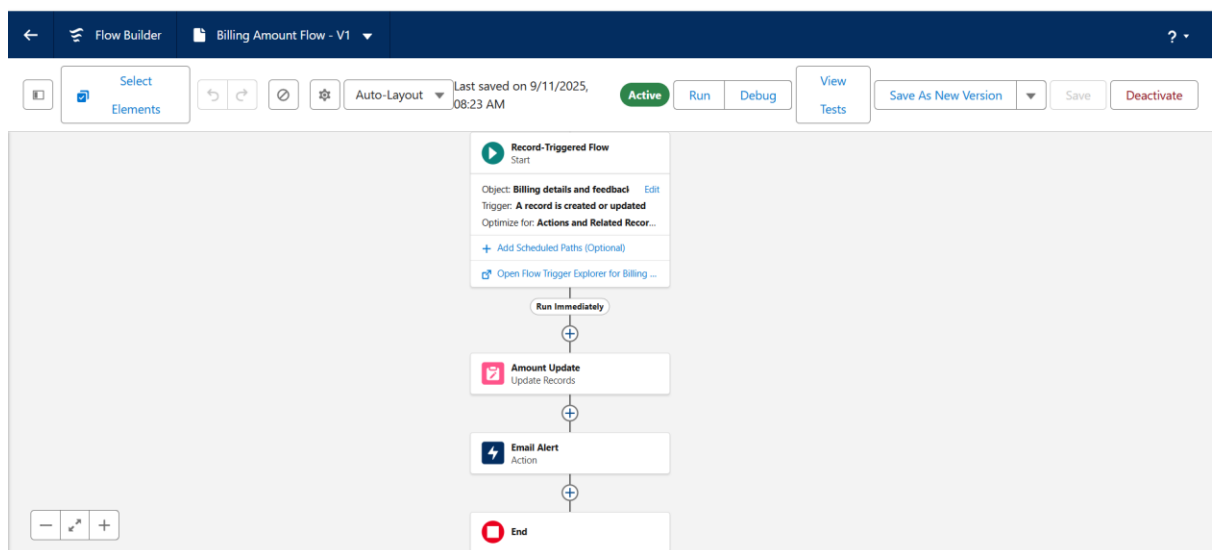
1.12 SHARING SETTING

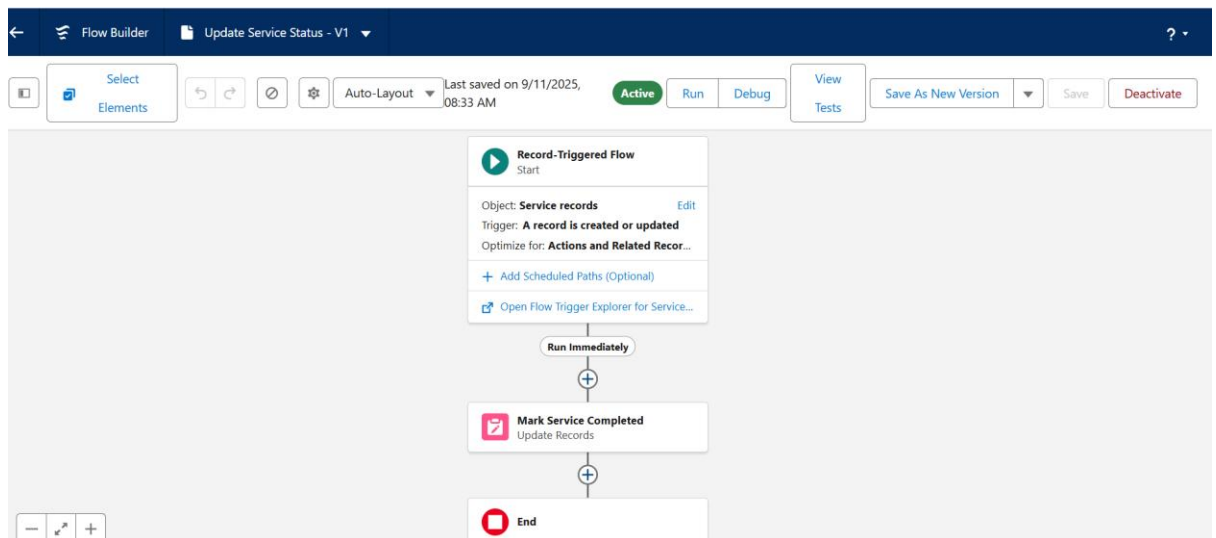
- **Create Sharing settings**



1.13 FLOWS

- **Creating Billing flow& Another Flow**





1.14 APEX TRIGGER

- *Apex Handler*

ApexDistributionHandler

Code:

```
public class AmountDistributionHandler {
    public static void amountDist(list<Appointment__c>listApp){
        list<Service_records__c>serList = new list <Service_records__c>();
        for(Appointment__c app : listApp){
            if(app.Maintenance_service__c == true &&app.Repairs__c == true
                &&app.Replacement_Parts__c == true
                app.Service_Amount__c = 10000;
        }
        else if(app.Maintenance_service__c == true &&app.Repairs__c ==
            true){
            app.Service_Amount__c = 500

```



```

    else if(app.Maintenance_service__c == true
&&app.Replacement_Parts__c == true){
app.Service_Amount__c = 8000;
}

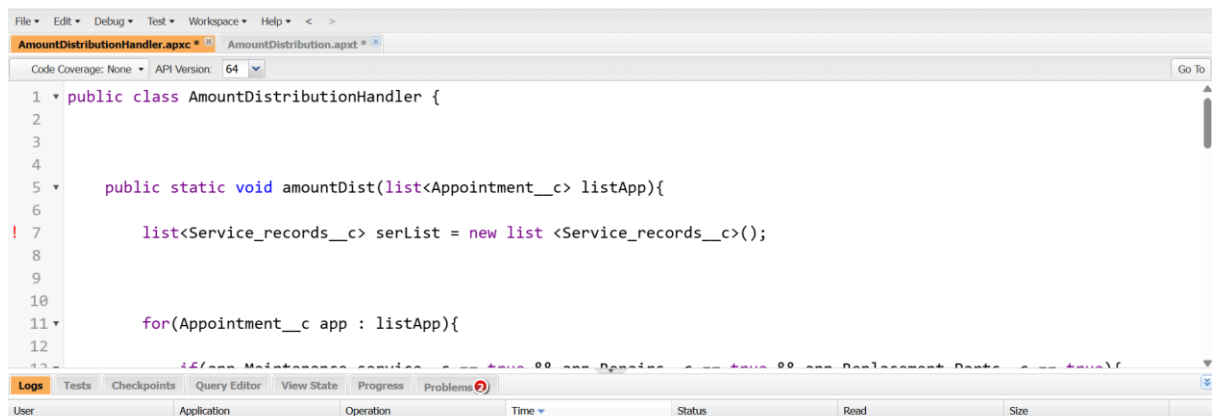
else if(app.Repairs__c == true &&app.Replacement_Parts__c ==
true){
app.Service_Amount__c = 7000;
}

else if(app.Maintenance_service__c == true){
app.Service_Amount__c = 2000;
}

else if(app.Repairs__c == true){
app.Service_Amount__c = 3000;
}

else if(app.Replacement_Parts__c == true){
app.Service_Amount__c = 5000;
}}

```



ApexDistribution

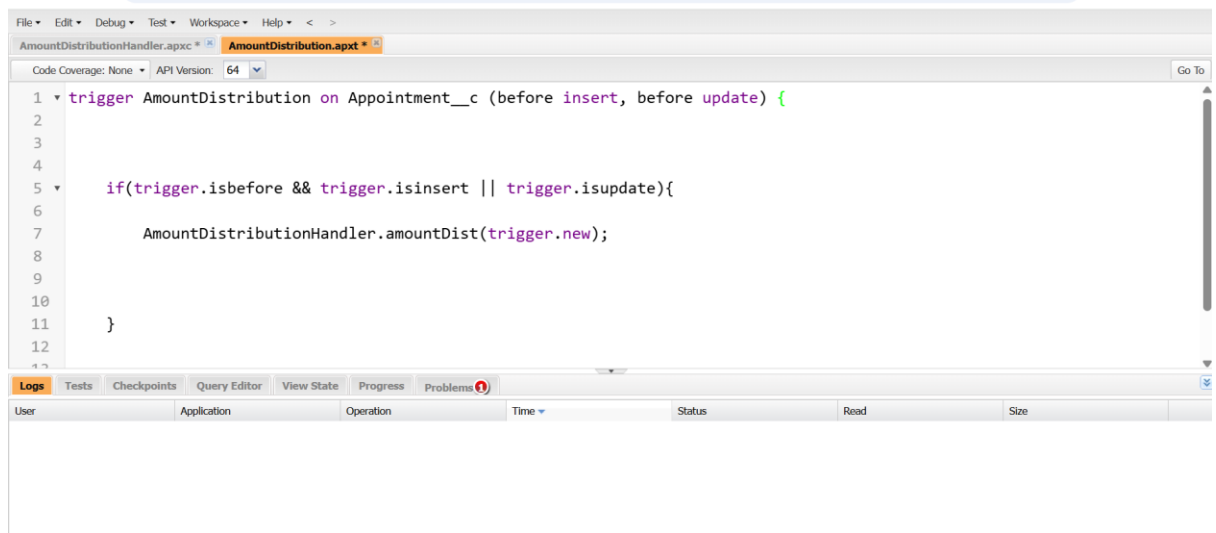
Code:

trigger AmountDistribution on Appointment__c (before insert, before update) {

if(trigger.isbefore&&trigger.isinsert || trigger.isupdate){
AmountDistributionHandler.amountDist(trigger.new);

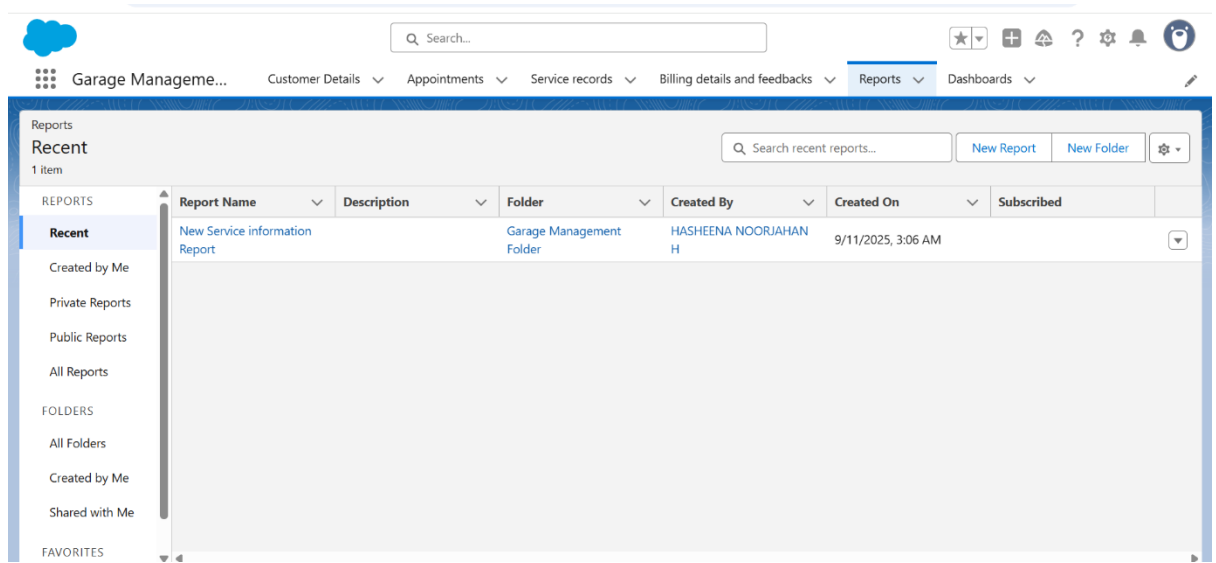
}

}

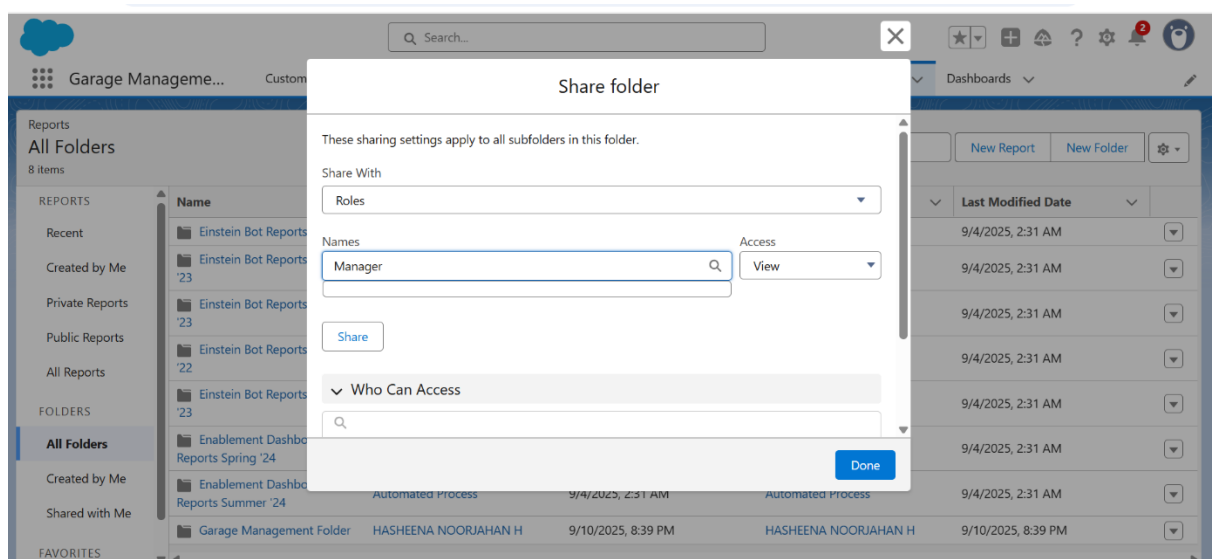


1.15 REPORTS

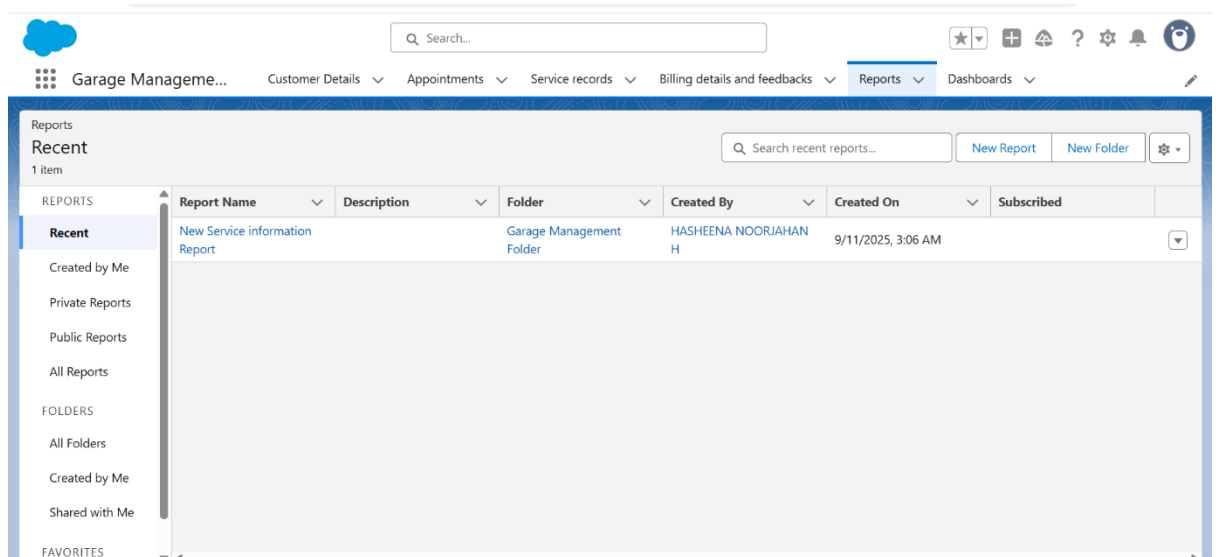
- ***Create a Report Folder***



- ***Sharing a Report Folder***

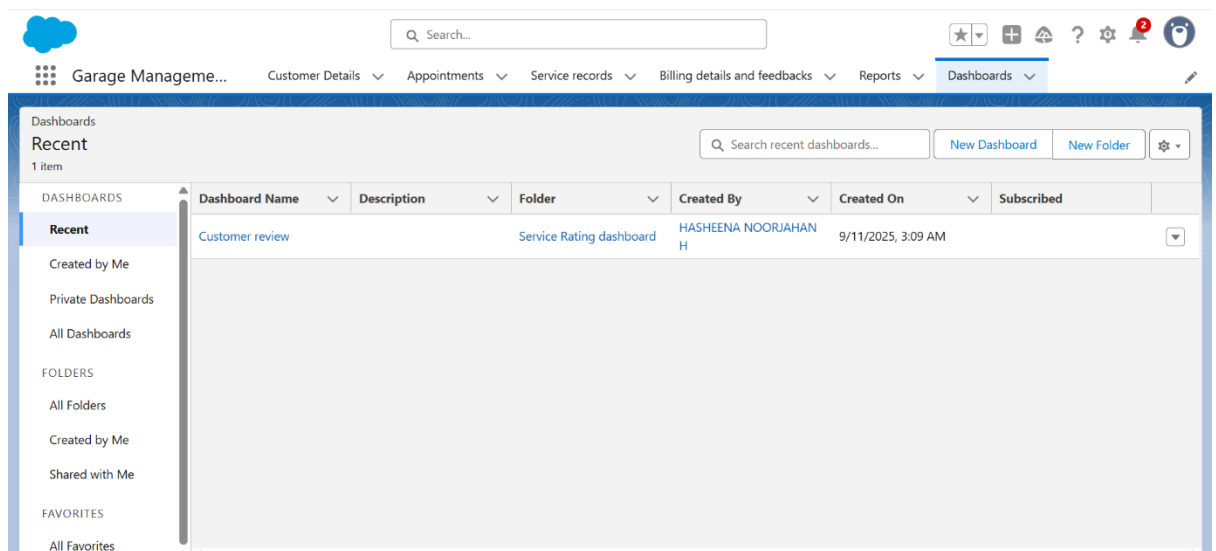


- ***Create a Report Type***




1.16 DASHBOARD

- ***Creating Dashboard & Dashboard Folder***










1.17 USER ADOPTION

- ***Creating Records***




Q Search...



Garage Manage...







Customer DetailsAppointmentsService recordsBilling details and feedbacksReportsDashboards

Customer Details




Recently Viewed


NewImportChange OwnerAssign Label

Q Search this list...










2 items • Updated a few seconds ago

	<input type="checkbox"/> Customer Name	
1	<input type="checkbox"/> Neil	 
2	<input type="checkbox"/> Wade	




Q Search...



Garage Manage...







Customer DetailsAppointmentsService recordsBilling details and feedbacksReportsDashboards

Appointments



Recently Viewed


NewImportChange OwnerAssign Label

Q Search this list...










2 items • Updated a few seconds ago

	<input type="checkbox"/> Appointment Name	
1	<input type="checkbox"/> app-005	
2	<input type="checkbox"/> app-004	




Q Search...



Garage Manage...







Customer DetailsAppointmentsService recordsBilling details and feedbacksReportsDashboards

Service records



Recently Viewed

NewImportChange OwnerAssign Label

Q Search this list...



2 items • Updated a few seconds ago

	<input type="checkbox"/> Service records Name	
1	<input type="checkbox"/> ser-002	
2	<input type="checkbox"/> ser-001	

CONCLUSION

The conclusion of effective garage management is achieving a competitive advantage through increased operational efficiency, streamlined workflows, and enhanced customer satisfaction by leveraging digital systems like [Garage Management Systems \(GMS\)](#).

