

GARAGE MANAGEMENT SYSTEM

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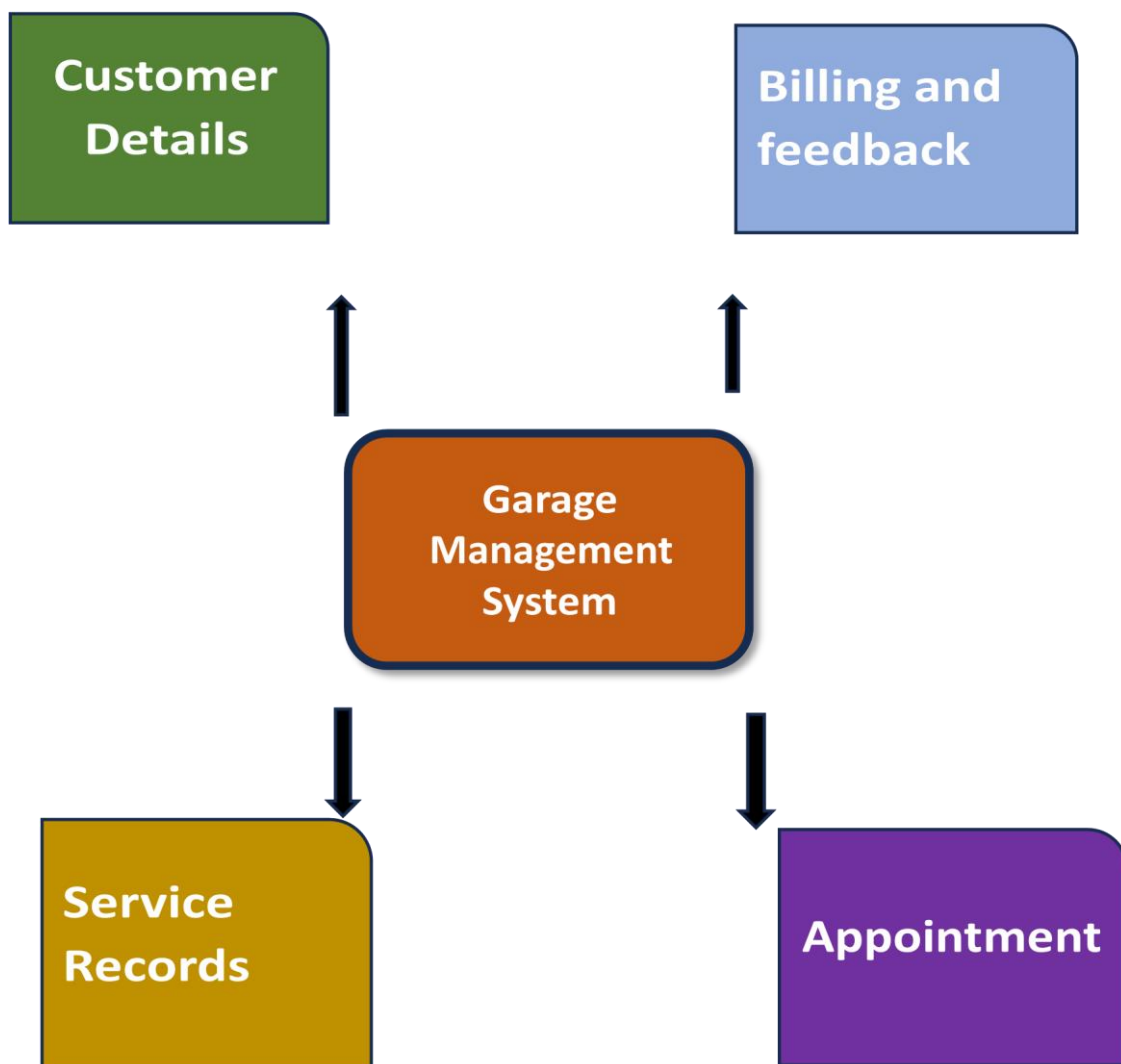
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INTRODUCTION

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 and get hands-on with Agentforce and Data Cloud.

Sign up for your Developer Edition.

- ✓ Build apps fast with drag-and-drop tools
- ✓ Go further with Apex code
- ✓ Build AI agents with Agentforce
- ✓ Harmonize your data with Data Cloud
- ✓ Ground Agentforce with structured and unstructured data
- ✓ Integrate with anything using APIs

Sign up for your Developer Edition

A free Salesforce Platform environment with Agentforce and Data Cloud

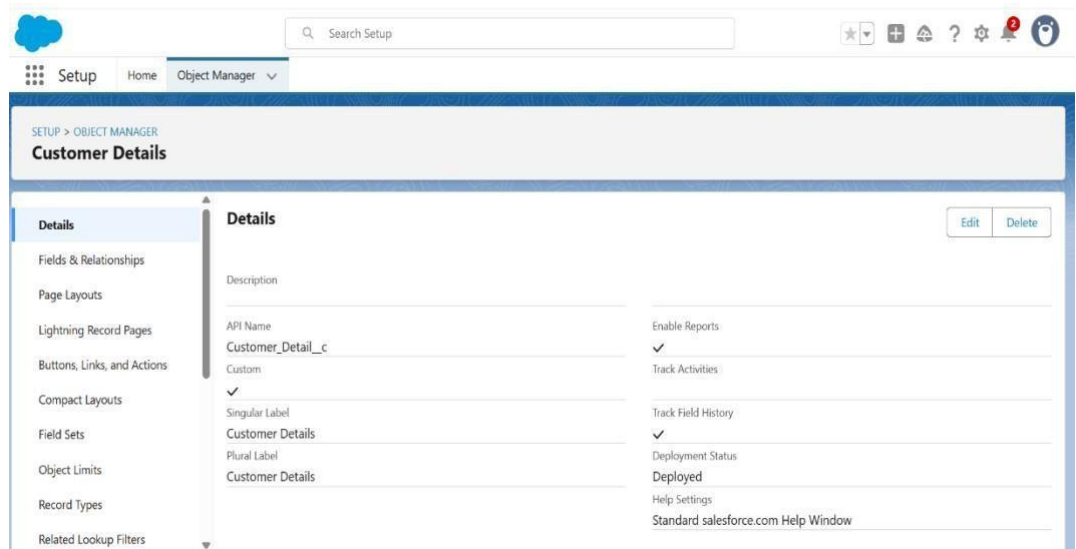
First name	Last name
<input type="text" value="Vinoth"/> ✓	<input type="text" value="R"/> ✓
Job title	Work email
<input type="text" value="Developer"/> ✓	<input type="text" value="vinoth73790@gmail.com"/> ✓
Company	Country/Region
<input type="text" value="Adithya College of Art"/> ✓	<input type="text" value="India"/> ✓ ▼

Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

1.2 Creating Objects

- 1) Customer Details
- 2) **Appointment**
- 3) **Service Records**
- 4) Billing and Feedback

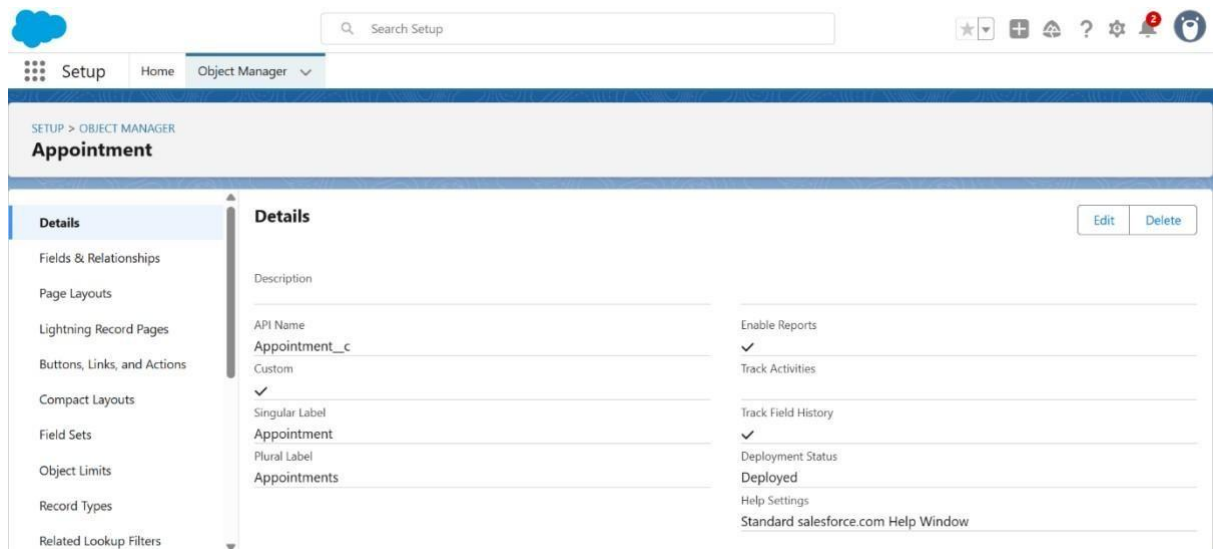
1.Customer object



The screenshot shows the Salesforce Setup interface for the 'Customer' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, 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 includes an 'Edit' button and a 'Delete' button. The 'Details' section is expanded, showing the following fields:

Field Name	Value
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

2. Appointment object



The screenshot shows the Salesforce Setup interface for the 'Appointment' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, 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 includes an 'Edit' button and a 'Delete' button. The 'Details' section is expanded, showing the following fields:

Field Name	Value
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

3. Service Record Object

The screenshot shows the Salesforce Setup interface for the 'Service records' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, 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 'Service records' and includes a 'Details' section with the following fields:

Field	Value
Description	
API Name	Service_record__c
Custom	✓
Singular Label	Service records
Plural Label	Service records
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

Buttons for 'Edit' and 'Delete' are located in the top right corner of the details section.

4. Billing and Feedback Object

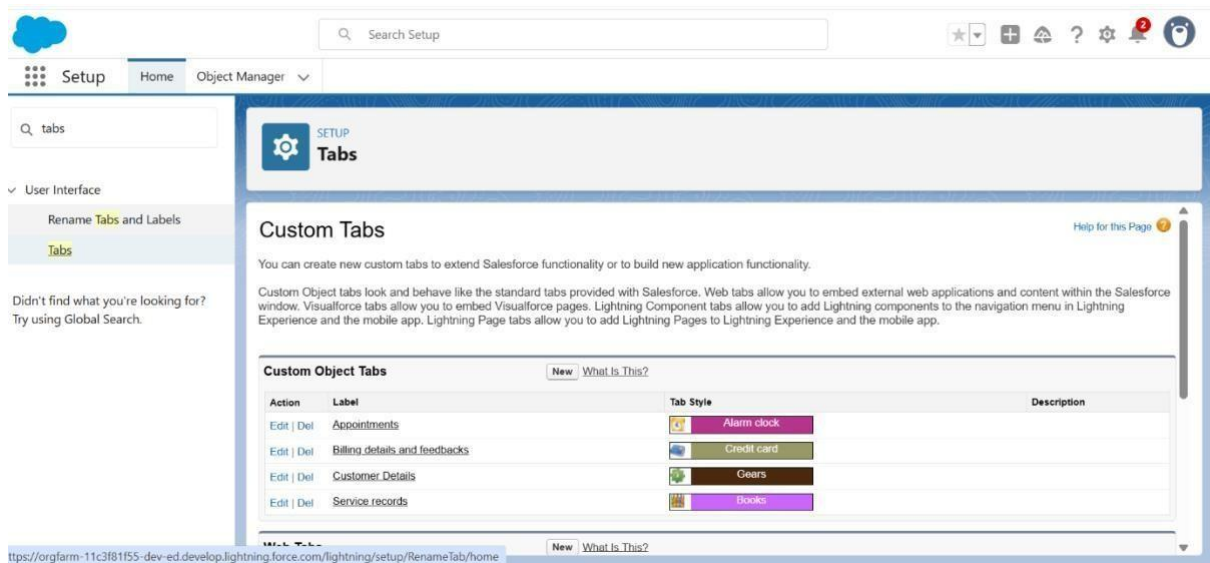
The screenshot shows the Salesforce Setup interface for the 'Billing details and feedback' object. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The main content area is titled 'Billing details and feedback' and includes a 'Details' section with the following fields:

Field	Value
Description	
API Name	Billing_detail_and_feedback__c
Custom	✓
Singular Label	Billing details and feedback
Plural Label	Billing details and feedbacks
Enable Reports	✓
Track Activities	✓
Track Field History	✓
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

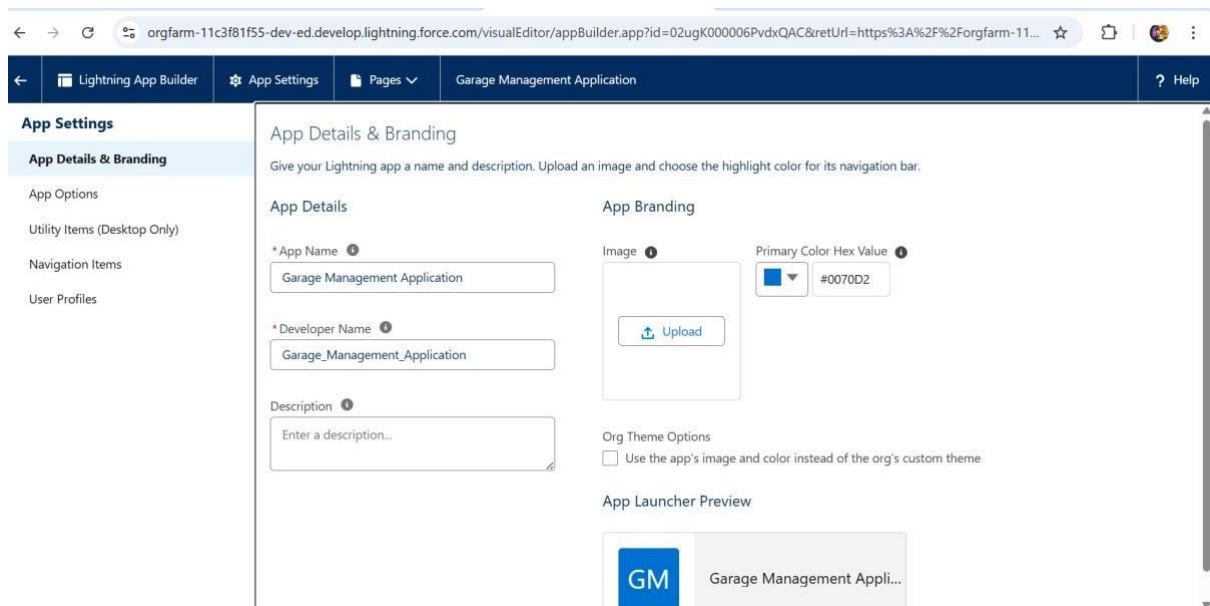
Buttons for 'Edit' and 'Delete' are located in the top right corner of the details section.

URL: <https://orgfam-11c3f81f55-dev-ed.develop.lightning.force.com/one/app#/setup/ObjectManager/01gK00000280Xs/FieldsAndRelationships/view>

1.3 CREATING CUSTOM TABS



1.3 CREATING LIGHTNING APP



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 of 6 fields, 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 of 11 fields, 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

Home

Object Manager

Search Setup

Service records

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

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	

Setup

Home

Object Manager

Search Setup

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

Fields & Relationships

8 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

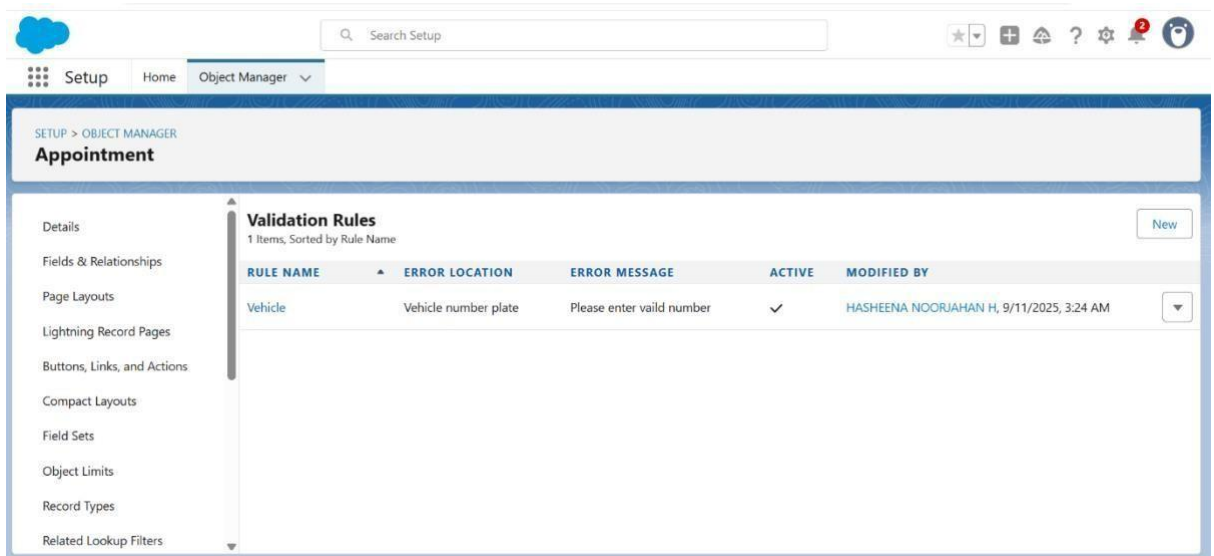
Field Dependencies

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)		

1.5 To create a validation rule

- To an Appointment Object

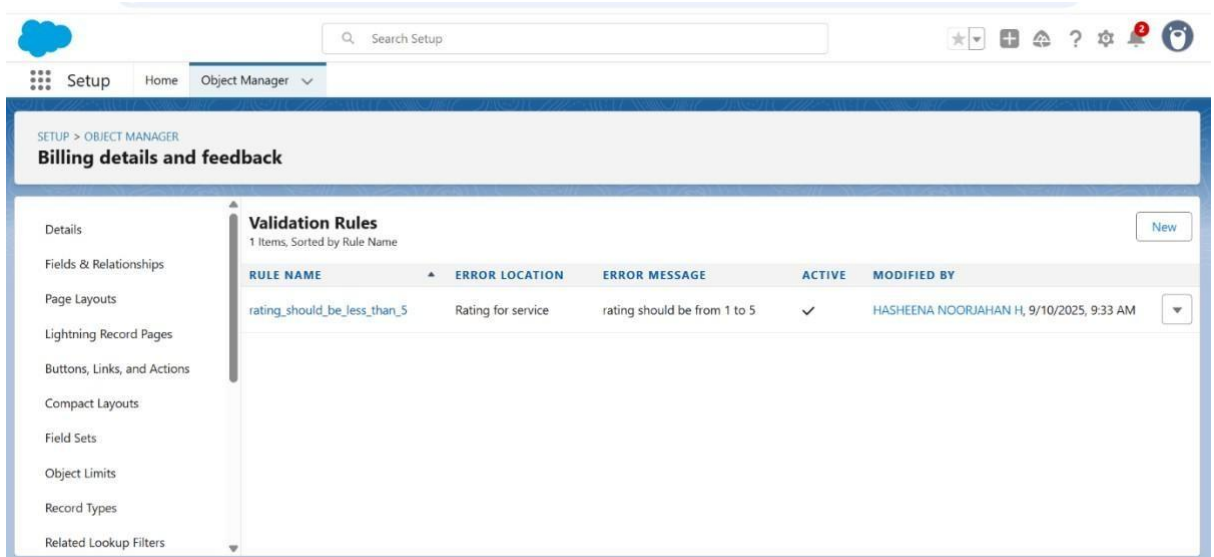


The screenshot shows the Salesforce Setup interface. The top navigation bar includes the Setup icon, a search bar labeled "Search Setup", and several utility icons. The main navigation menu on the left lists various setup areas: Setup, Home, and Object Manager (selected). The breadcrumb trail at the top of the content area reads "SETUP > OBJECT MANAGER". The main heading is "Appointment". On the left sidebar, a list of configuration options is shown: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, and Related Lookup Filters. The "Validation Rules" section is active, displaying "1 Items, Sorted by Rule Name". A table lists the validation rules:

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

A "New" button is located in the top right corner of the Validation Rules section.

- To an Billing and feedback Object



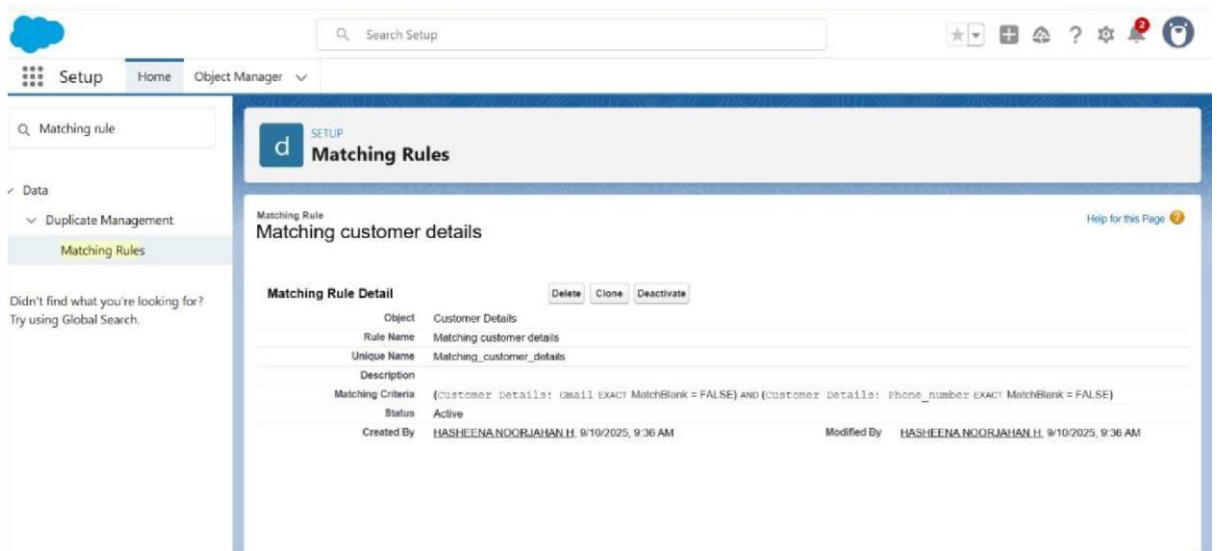
The screenshot shows the Salesforce Setup interface for the "Billing details and feedback" object. The top navigation bar and main navigation menu are identical to the previous screenshot. The breadcrumb trail reads "SETUP > OBJECT MANAGER". The main heading is "Billing details and feedback". The left sidebar shows the same configuration options. The "Validation Rules" section is active, displaying "1 Items, Sorted by Rule Name". A table lists the validation rules:

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

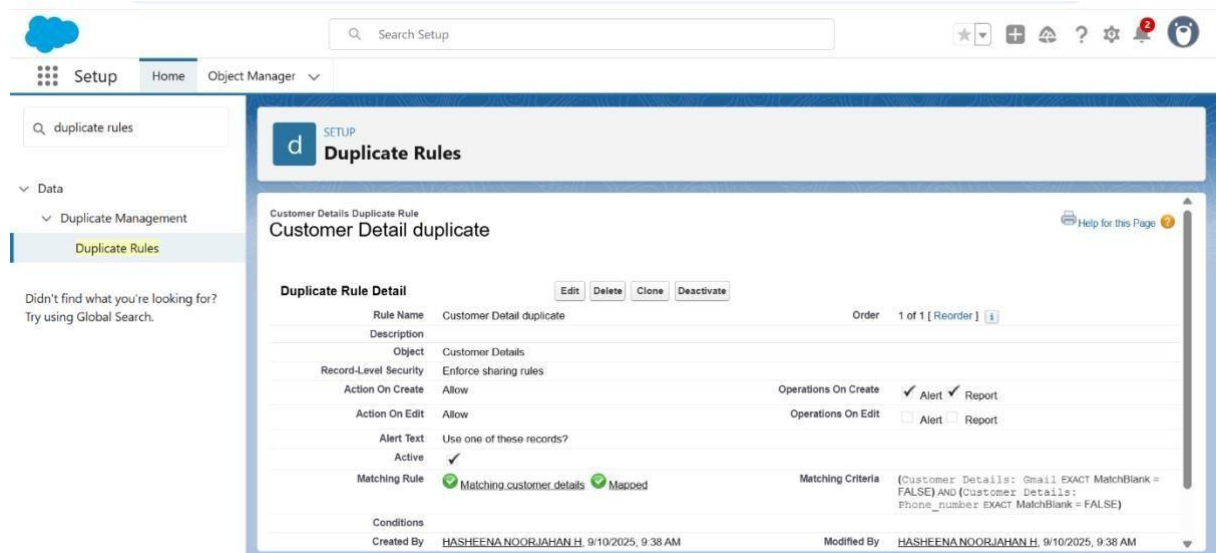
A "New" button is located in the top right corner of the Validation Rules section.

1.6 DUPLICATE RULE

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

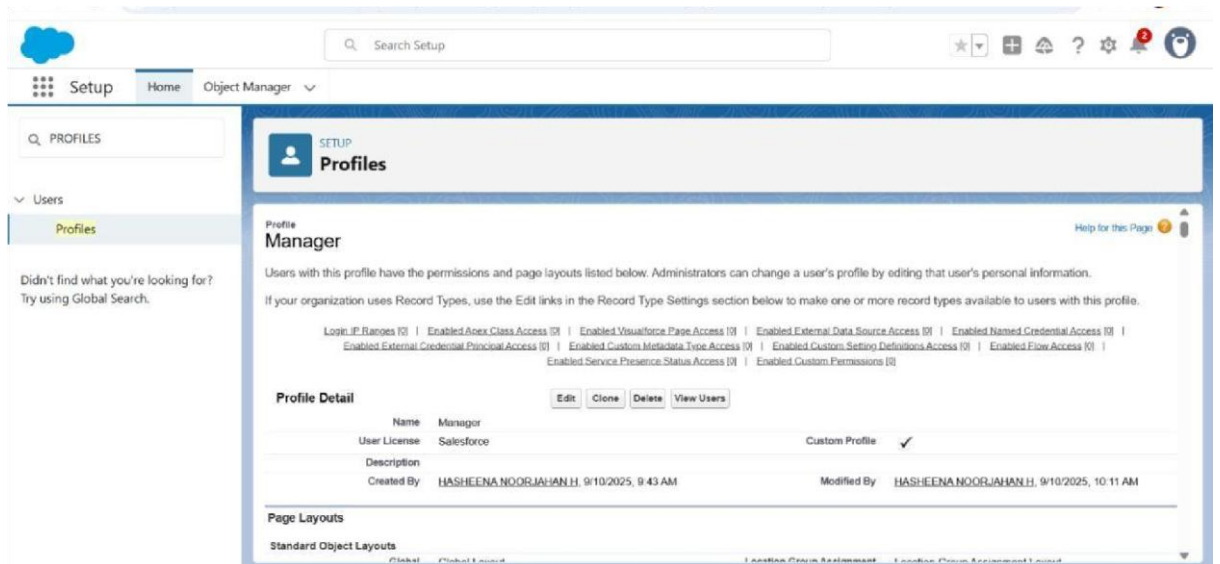


- *To create a Duplicate rule to an Customer details Object*

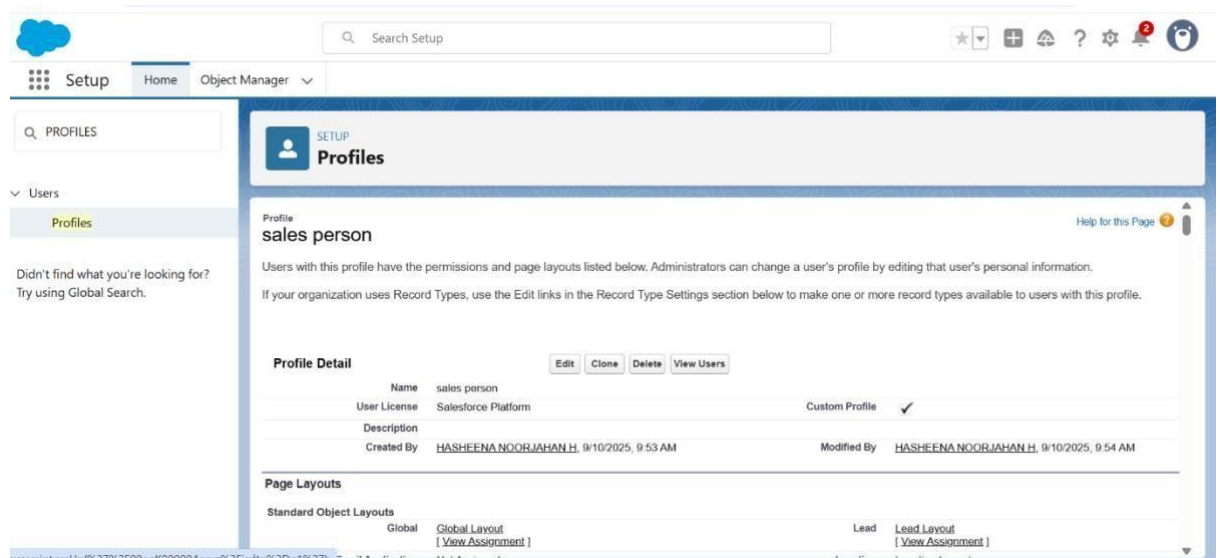


1.7 PROFILES

- *Creating Manager Profile*




- *Creating sales person profile*










1.8 ROLE & ROLE HIERARCHY

- *Creating Manager Role & Another roles*



Search Setup



SetupHomeObject Manager

Q Role

Users

Roles

Feature Settings

Sales

Contact Roles on Contracts

Contact Roles on Opportunities

Service

Case Teams

Case Team Roles

Contact Roles on Cases

Didn't find what you're looking for?
Try using Global Search.

SETUP

Roles

You can build on the existing role hierarchy shown on this page. To insert a new role, click **Add Role**.

Your Organization's Role Hierarchy

Show in tree view

Collapse AllExpand All

Government arts college coimbatore

Add Role

CEO Edit | Del | Assign

Add Role

CFO Edit | Del | Assign

Add Role

COO Edit | Del | Assign

Add Role

SVP, Customer Service & Support Edit | Del | Assign

Add Role


SVP, Human Resources Edit | Del | Assign

Add Role








SVP, Sales & Marketing Edit | Del | Assign

Add Role

Manager Edit | Del | Assign



Search Setup



SetupHomeObject Manager

Q Role

Users

Roles

Feature Settings

Sales

Contact Roles on Contracts

Contact Roles on Opportunities

Service

Case Teams

Case Team Roles

Contact Roles on Cases

Didn't find what you're looking for?
Try using Global Search.

SETUP

Roles

Creating the Role Hierarchy

You can build on the existing role hierarchy shown on this page. To insert a new role, click **Add Role**.

Help for this Page

Your Organization's Role Hierarchy

Show in tree view

Collapse AllExpand All

Government arts college coimbatore

Add Role

CEO Edit | Del | Assign

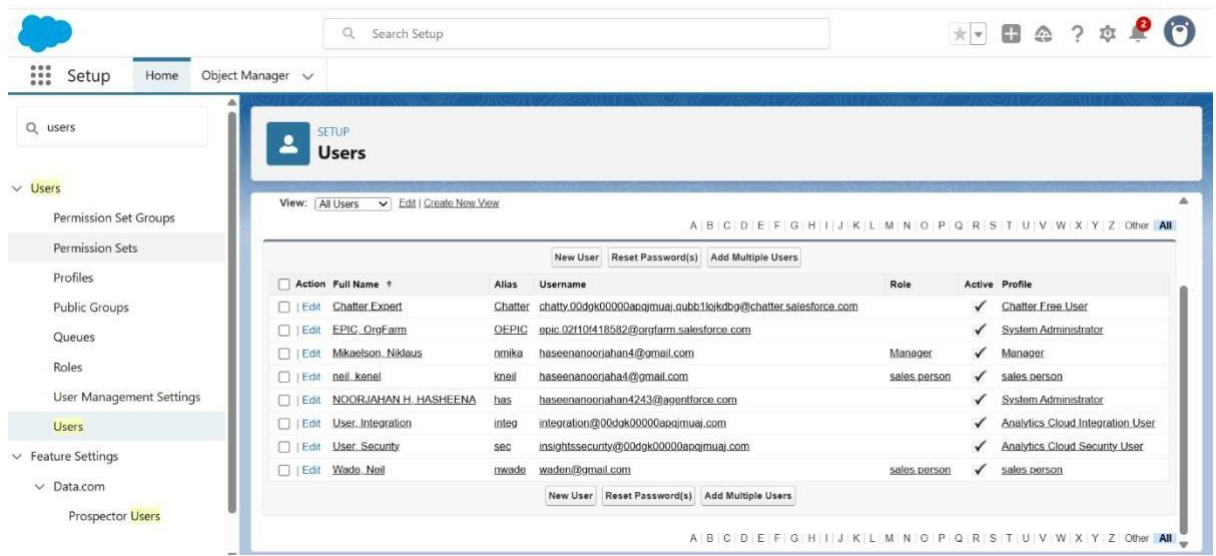
Add Role

Manager Edit | Del | Assign

Add Role

1.9 USERS

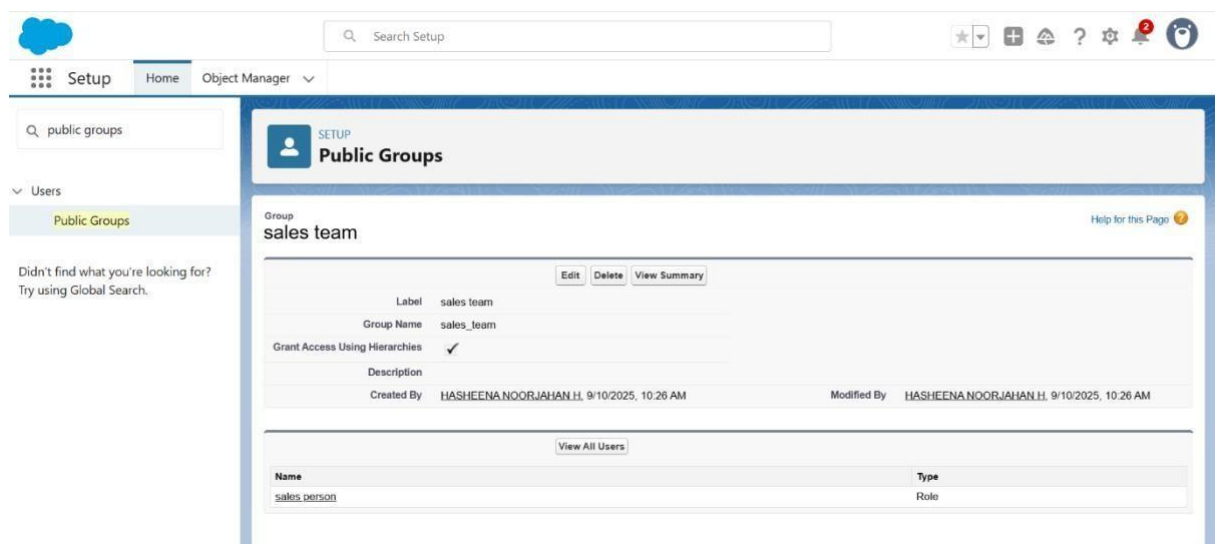
- Creating users



The screenshot shows the Salesforce Setup interface for the 'Users' section. The left sidebar contains a search bar with 'users' and a list of navigation items: Users, Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, User Management Settings, and Feature Settings. The 'Users' section is selected. The main content area displays a table of users with columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The table lists several users, including Chatter Expert, EPIC_OrgFarm, Mikaelson_Niklaus, neil_keneil, NOORJAHAN H. HASHEENA, User_Integration, User_Security, and Wade_Neil. Each user has an 'Edit' link and a checkbox for selection. The 'Active' column shows checkmarks for all listed users. The 'Profile' column lists various roles like Chatter Free User, System Administrator, Manager, sales person, and System Administrator.

1.10 PUBLIC GROUPS

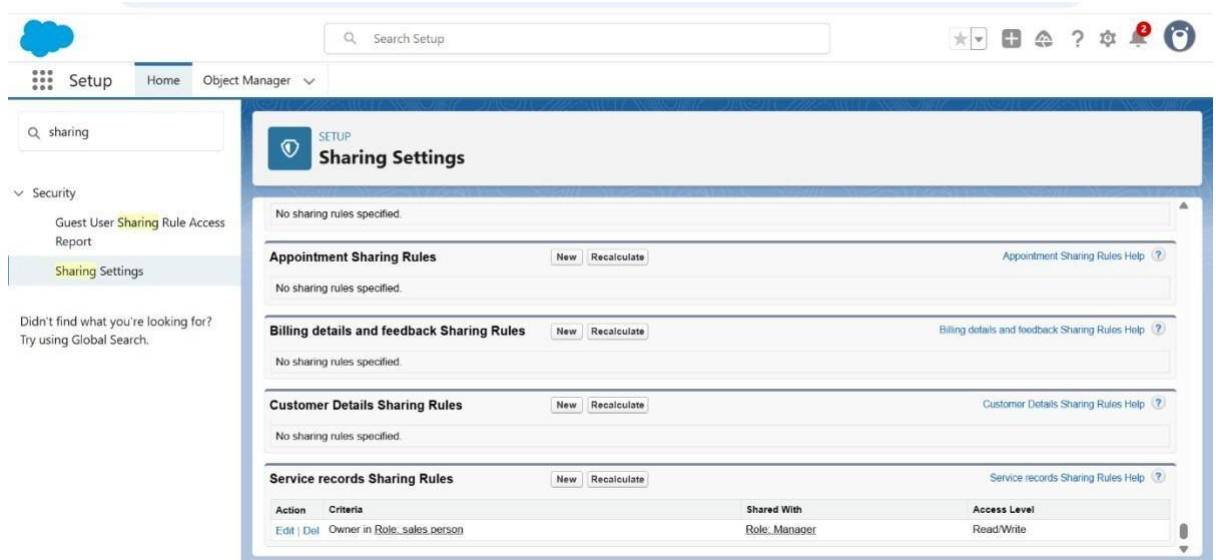
- Creating New Public Group



The screenshot shows the Salesforce Setup interface for the 'Public Groups' section. The left sidebar contains a search bar with 'public groups' and a list of navigation items: Users, Public Groups, and a message 'Didn't find what you're looking for? Try using Global Search.' The 'Public Groups' section is selected. The main content area displays the 'sales team' public group. It includes fields for Label (sales team), Group Name (sales_team), Grant Access Using Hierarchies (checked), Description, Created By (HASHEENA NOORJAHAN H., 9/10/2025, 10:26 AM), and Modified By (HASHEENA NOORJAHAN H., 9/10/2025, 10:26 AM). There are buttons for Edit, Delete, and View Summary. Below the group details, there is a section for 'View All Users' with a table showing the group's members. The table has columns for Name and Type, and it lists 'sales person' as a member with the role 'Role'.

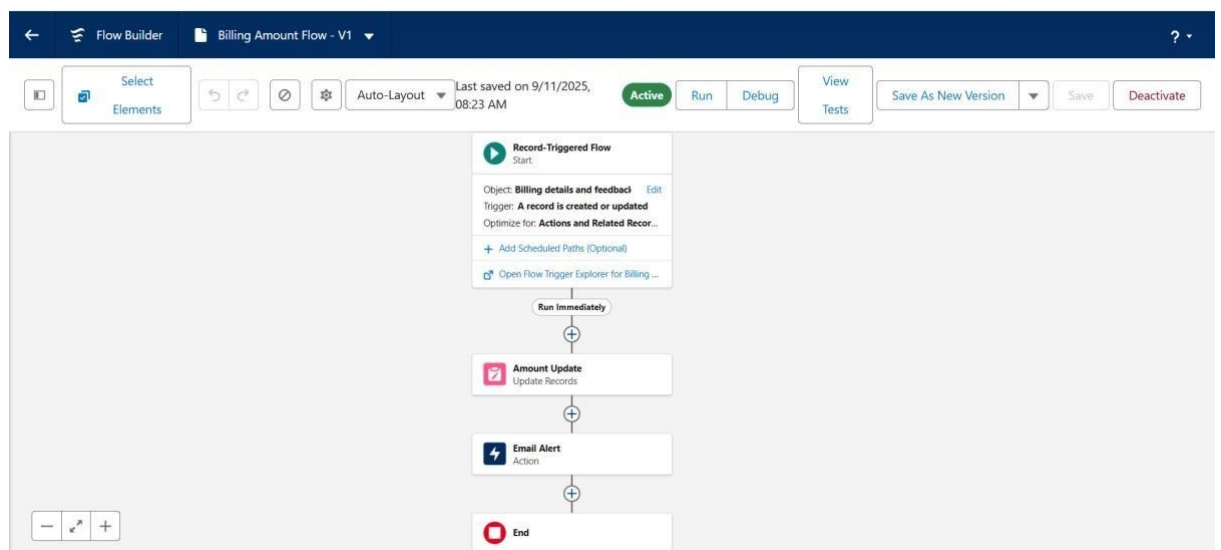
1.12 SHARING SETTING

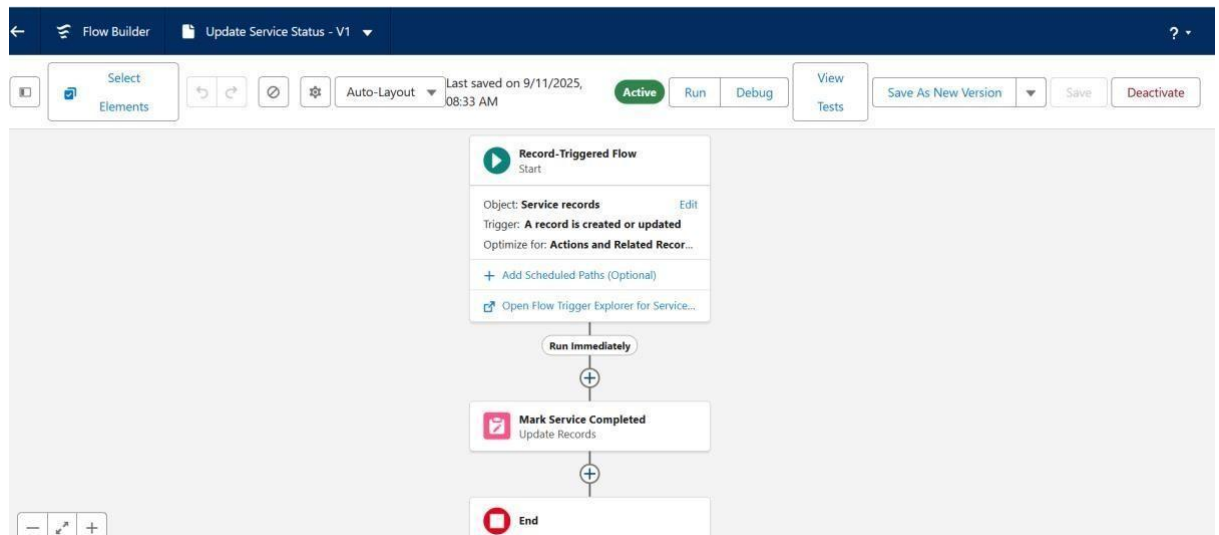
- **Create Sharing settings**



1.13 FLOWS

- **Creating Billing flow & Another Flow**





1.14 APEX TRIGGER

- **Apex Handler**

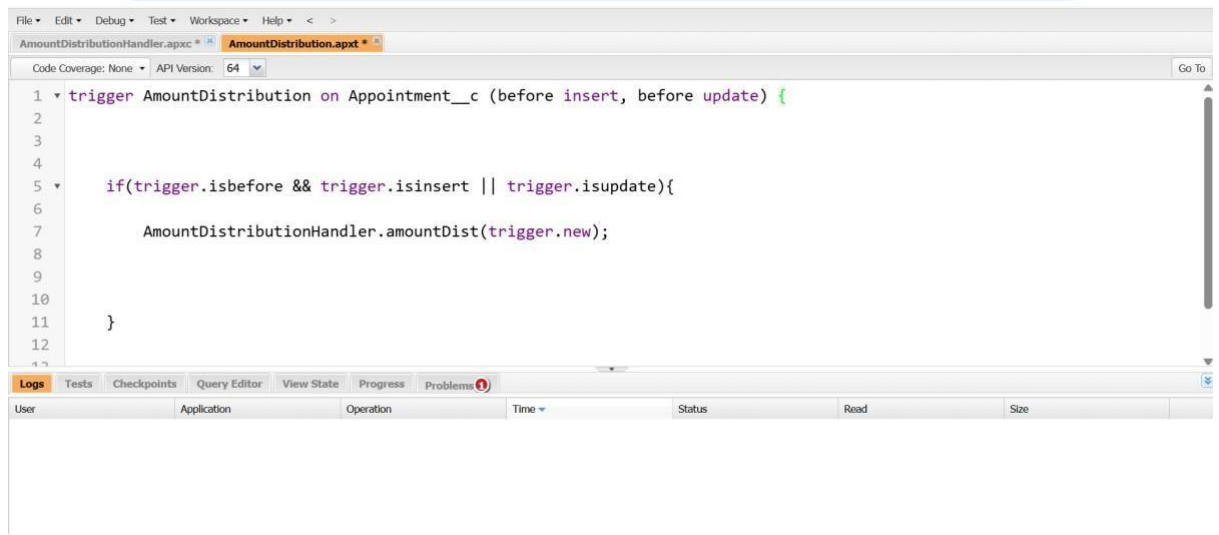
ApexDistributionHandler

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;


```
File Edit Debug Test Workspace Help <
AmountDistributionHandler.apxc * AmountDistribution.apxt *
Code Coverage: None API Version: 64 Go To
1 public class AmountDistributionHandler {
2
3
4
5 public static void amountDist(list<Appointment__c> listApp){
6
7     list<Service_records__c> serList = new list <Service_records__c>();
8
9
10
11 for(Appointment__c app : listApp){
12
13     if(app.Ministress_Service__c == true || app.Dealer__c == true || app.Dealerment_Dealer__c == true){
```

}

}



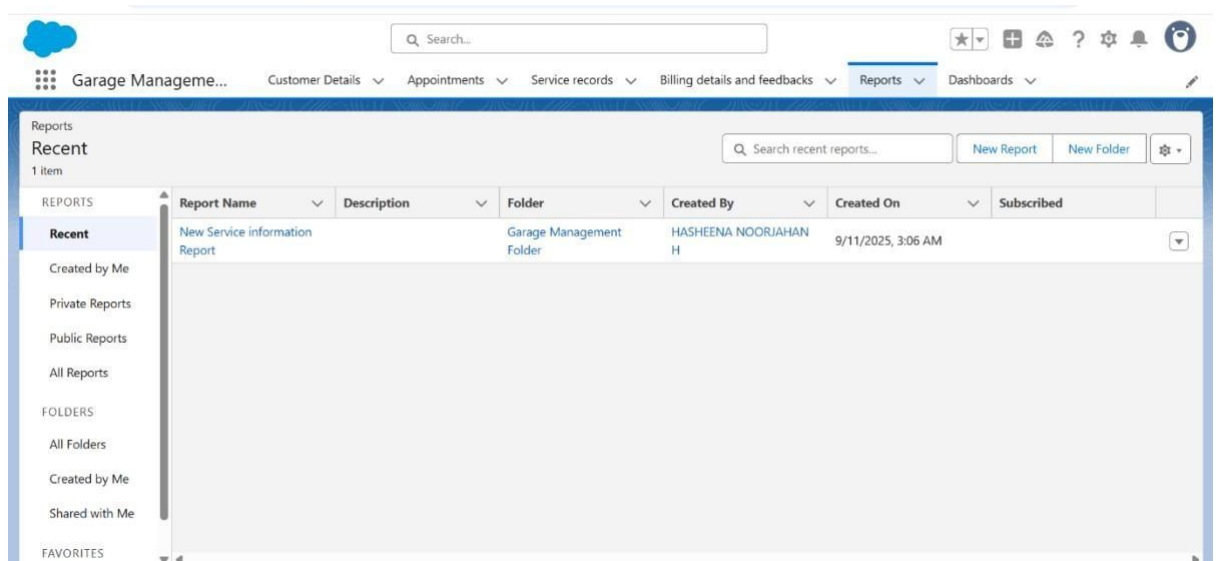
The screenshot shows the Visual Studio Code editor with a file named `AmountDistributionHandler.apxc` open. The code is a trigger function for `Appointment__c` that runs before insert and update operations. The function calls `AmountDistributionHandler.amountDist(trigger.new)` when the trigger is before insert or update.

```
1 trigger AmountDistribution on Appointment__c (before insert, before update) {  
2  
3  
4  
5     if(trigger.isbefore && trigger.isinsert || trigger.isupdate){  
6  
7         AmountDistributionHandler.amountDist(trigger.new);  
8  
9  
10  
11     }  
12 }
```

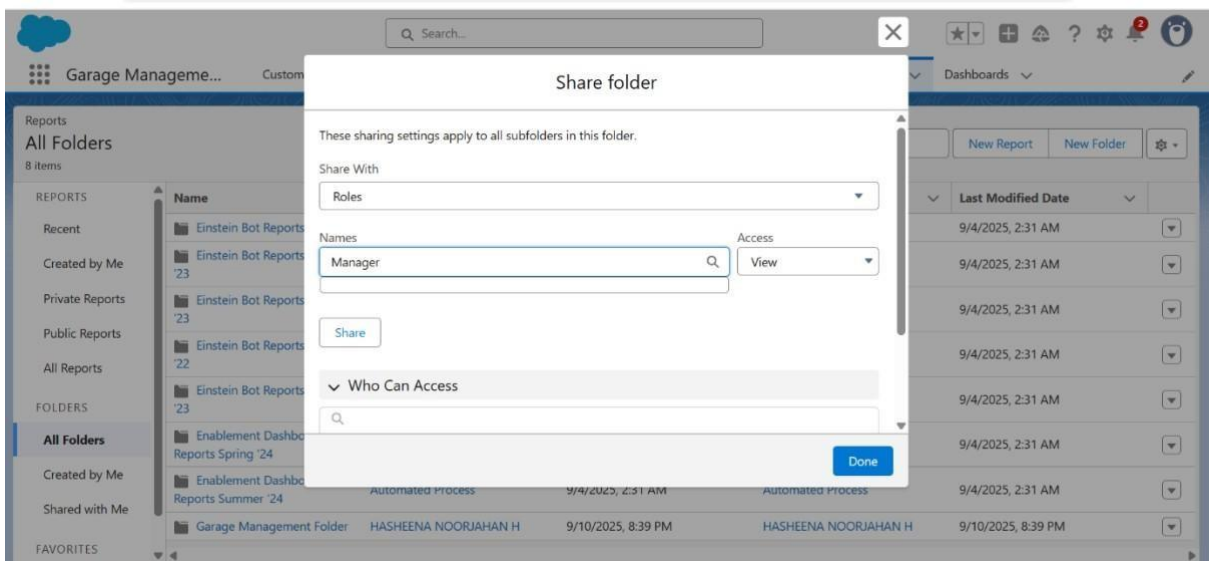
The bottom of the editor shows the `Logs` tab, which is currently empty. The `Problems` tab shows one error.

1.15 REPORTS

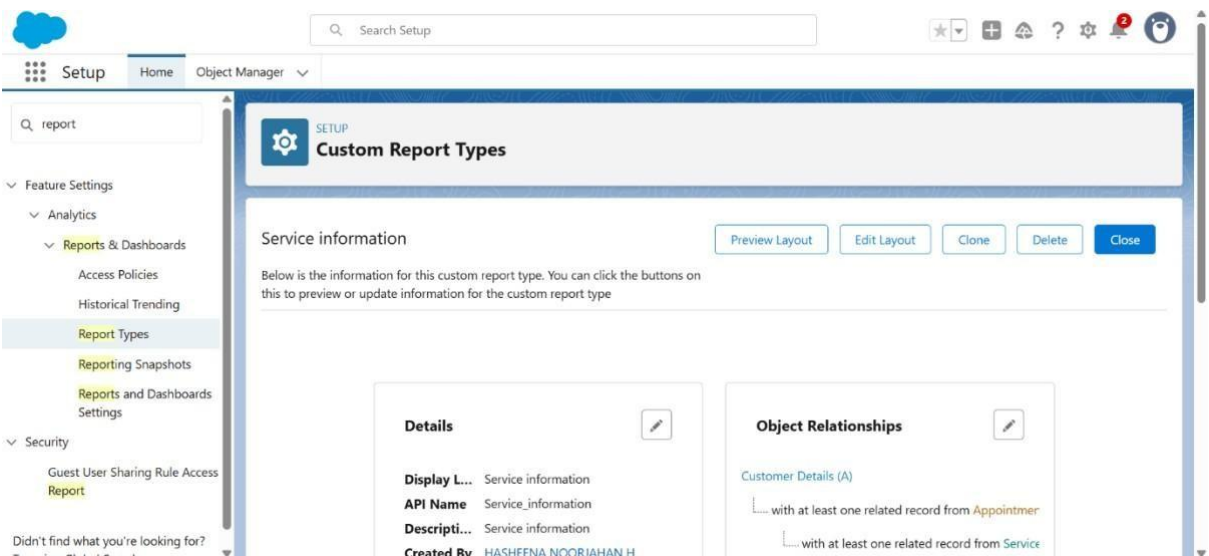
- *Create a Report Folder*



- **Sharing a Report Folder**



- **Create a Report Type**



Setup | Home | Object Manager

Search Setup

Q report

Feature Settings

- Analytics
 - Reports & Dashboards
 - Access Policies
 - Historical Trending
 - Report Types**
 - Reporting Snapshots
 - Reports and Dashboards Settings
- Security
 - Guest User Sharing Rule Access
 - Report**

Didn't find what you're looking for?

Display L... Service information
API Name Service_information
Descripti... Service information
Created By HASHEENA NOORJAHAN H,
 11/09/2025, 03:29 pm
Store in ... other
Deploym... Deployed
Modifie... HASHEENA NOORJAHAN H,
 11/09/2025, 03:29 pm

Fields

Source Object	Included Fields
Customer Details	9
Appointments	13
Service records	10
Billing details and fe...	11

Customer Details (A)

- with at least one related record from **Appointment**
- with at least one related record from **Service**
- with at least one related record from **E**

Venn diagram showing sets A, B, C, and D.

- **Create a Report**

Garage Manage... | Customer Details | Appointments | Service records | Billing details and feedbacks | **Reports** | Dashboards

Search...

Reports

Recent

1 item

Q Search recent reports... | New Report | New Folder | Settings

Report Name	Description	Folder	Created By	Created On	Subscribed
New Service information Report		Garage Management Folder	HASHEENA NOORJAHAN H	9/11/2025, 3:06 AM	

REPORTS

- Recent**
- Created by Me
- Private Reports
- Public Reports
- All Reports

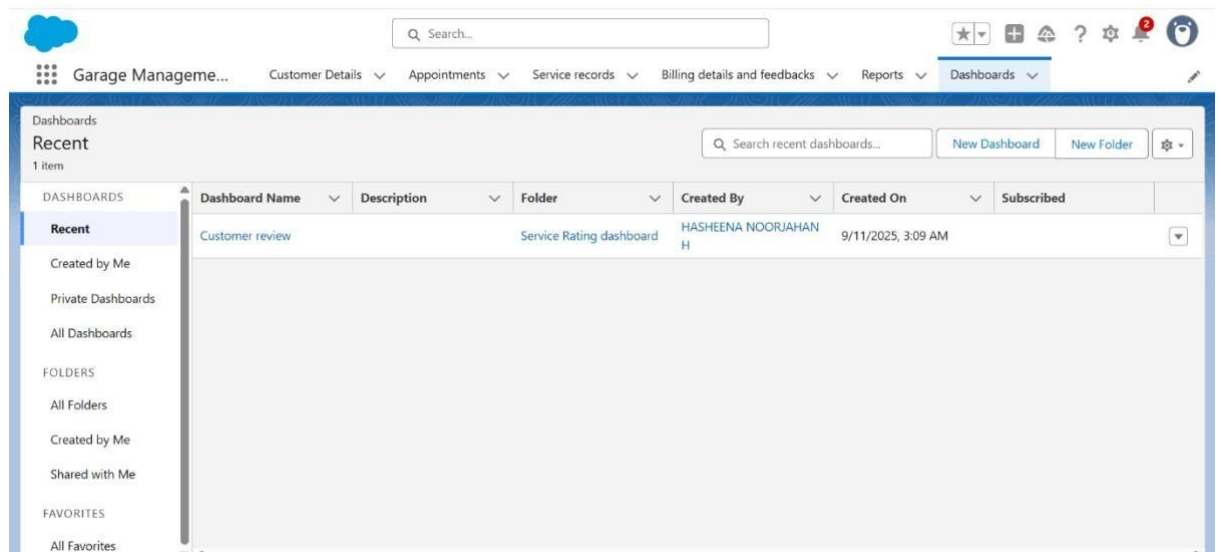
FOLDERS

- All Folders
- Created by Me
- Shared with Me

FAVORITES

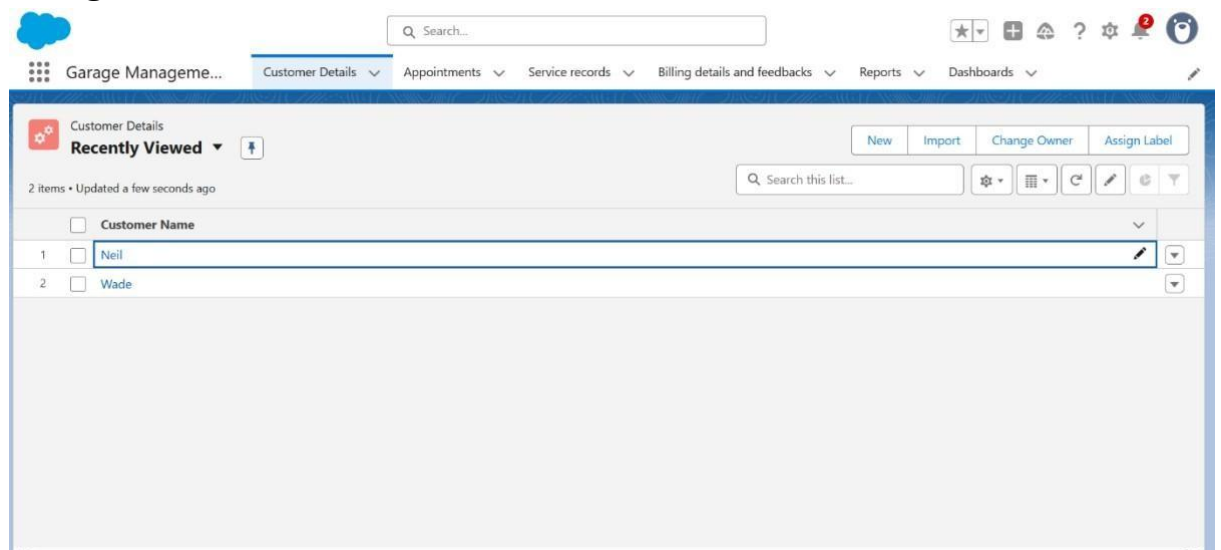
1.16 DASHBOARD

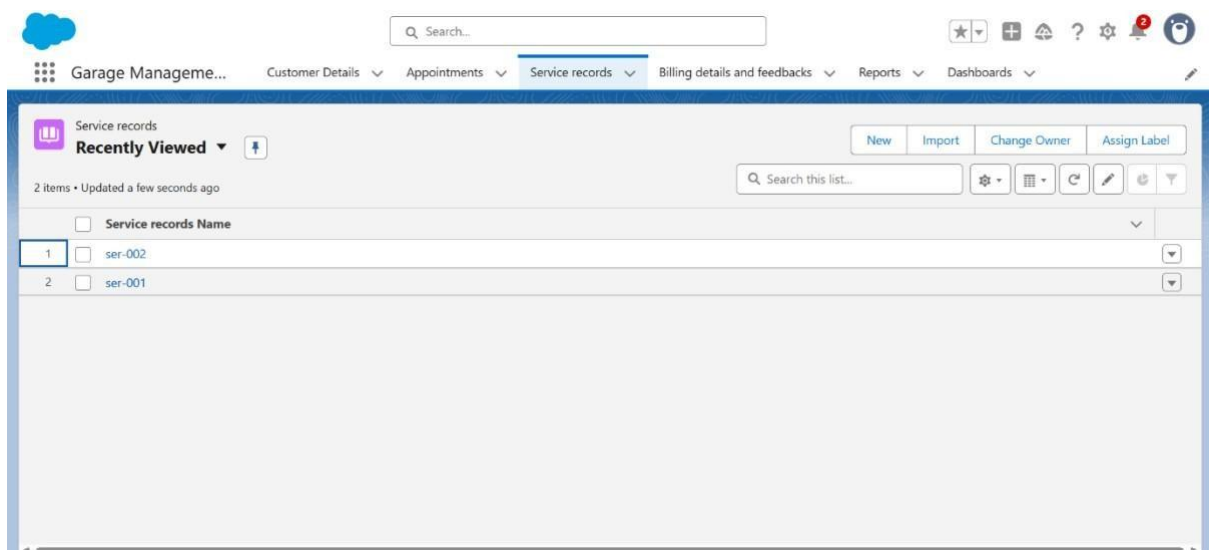
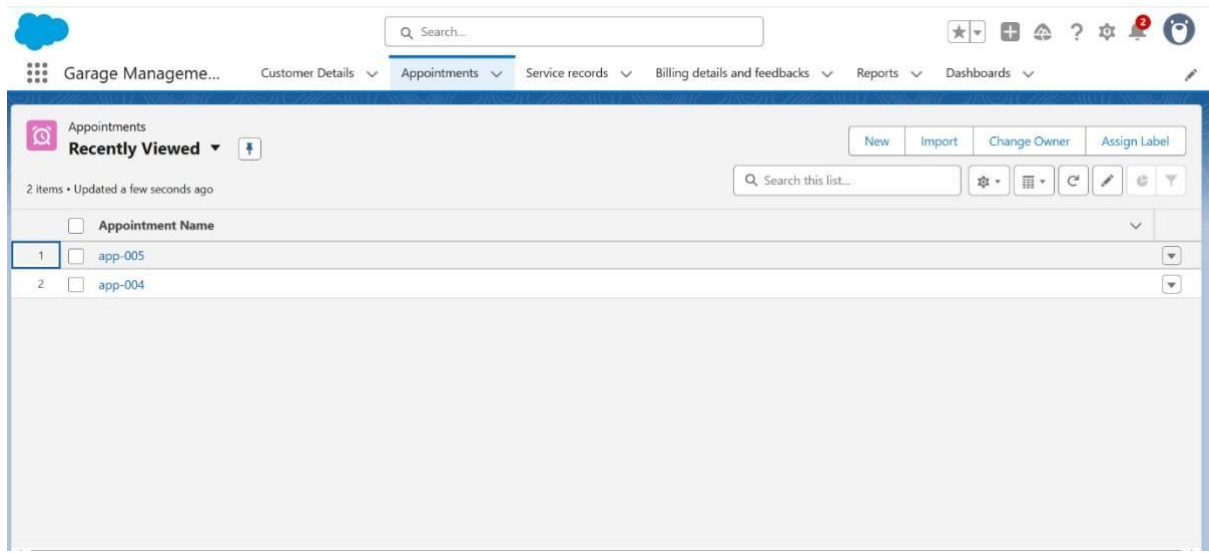
- **Creating Dashboard & Dashboard Folder**



1.17 USER ADOPTION

- ***Creating Records***





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 \(GMS\)](#).