

GARAGE MANAGEMENT SYSTEM

By

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ABSTRACT

The Garage Management System (GMS) is an all-in-one solution designed to streamline operations for automotive repair shops and garages. With its intuitive user interface and robust features, GMS enables businesses to deliver exceptional service, enhance productivity, and foster long-term customer loyalty.

Key Technologies:

Salesforce CRM: Centralizes customer data, service history, and communication, allowing ,ersonalize interactions and streamlined management.

Salesforce Service Cloud: Manages service cases, work orders, and repair tracking. Automates customer support and communication for timely updates.

Salesforce Analytics and Reporting: Generates insightful reports and dashboards, helping businesses make data-driven decisions on performance, revenue, and customer trends.

Salesforce Integration Tools (APIs): Facilitates integration with third-party systems, such as accounting software, parts inventory, and payment gateways, ensuring seamless operations

By incorporating Salesforce's technologies into GMS, garages can boost productivity, improve customer satisfaction

TASKS IN GARAGE MANAGEMENT SYTEM

1.CREATING OBJECTS:

Salesforce objects are database tables that permit you to store data that is specific to an organization. What are the types of Salesforce objects .

☒ CREATION OF “CUSTOMER DETAILS OBJECT”:

1. To create an object:
2. From the setup page >> Click on Object Manager >> Click
on Create >> Click on Custom Object.
3. Enter the label name >> Customer Details
4. Plural label name >> Customer Details
5. Enter Record Name Label and Format
6. Record Name >> Customer Name
7. Data Type >> Text
8. Click on Allow reports and Track Field History,

❏ **CREATION OF “APPOINTMENT” OBJECT:**

To create an object:

1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
2. Enter the label name >> Appointment
3. Plural label name >> Appointments
4. Enter Record Name Label and Format
5. Record Name >> Appointment Name
6. Data Type >> Auto Number
7. Display Format >> app-{000}
8. Starting number >> 1
9. Click on Allow reports and Track Field History,
10. Allow search >> Save.

CREATION OF “SERVICE RECORDS” OBJECT

To create an object:

From the setup page >> Click on Object Manager >> Click on Create

>> Click on Custom Object.

Enter the label name >> Service records

Plural label name >> Service records

Enter Record Name Label and Format

Record Name >>Service recordsName

Data Type >> Auto Number

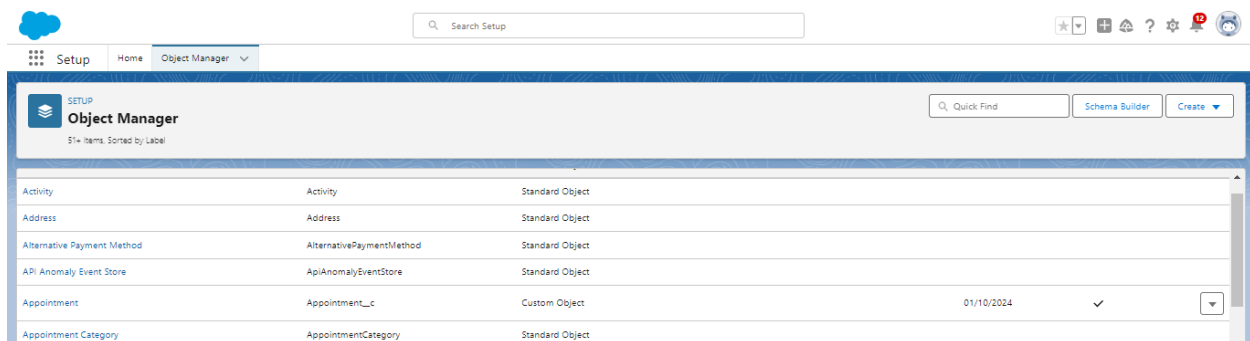
Display Format >> ser-{000}

Starting number >> 1

Click on Allow reports and Track Field History,

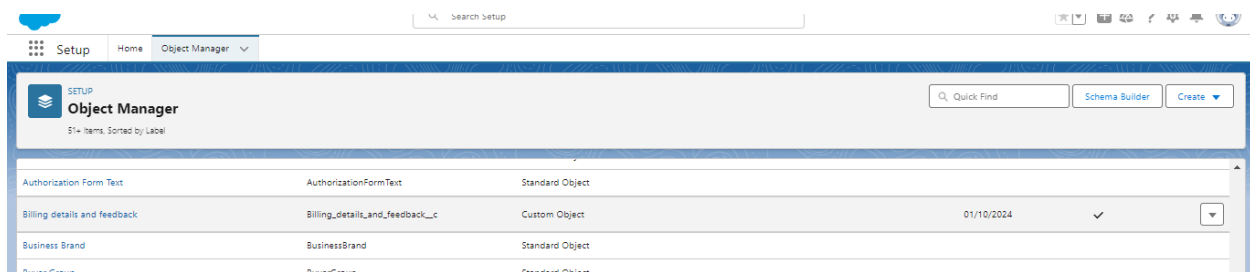
Allow search >> Save

RESULTING PAGE OF AFTER CREATING OBJECTIVES:




The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. A search bar is present. The main content area displays a table of objects. The table has columns for the object name, its label, its data type, and a checkbox for 'Allow Reports'. The 'Appointment' object is highlighted, showing it is a 'Custom Object' with a 'Standard Object' data type. The 'Appointment' object is also marked with a checkmark in the 'Allow Reports' column.

Object Name	Label	Data Type	Allow Reports
Activity	Activity	Standard Object	
Address	Address	Standard Object	
Alternative Payment Method	AlternativePaymentMethod	Standard Object	
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object	
Appointment	Appointment_c	Custom Object	01/10/2024 ✓
Appointment Category	AppointmentCategory	Standard Object	



The screenshot shows the Salesforce Object Manager interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. A search bar is present. The main content area displays a table of objects. The table has columns for the object name, its label, its data type, and a checkbox for 'Allow Reports'. The 'Billing_details_and_feedback' object is highlighted, showing it is a 'Custom Object' with a 'Standard Object' data type. The 'Billing_details_and_feedback' object is also marked with a checkmark in the 'Allow Reports' column.

Object Name	Label	Data Type	Allow Reports
Authorization Form Text	AuthorizationFormText	Standard Object	
Billing_details_and_feedback	Billing_details_and_feedback_c	Custom Object	01/10/2024 ✓
Business Brand	BusinessBrand	Standard Object	
Business Process	BusinessProcess	Standard Object	





SETUP

Object Manager

103+ Items, Sorted by Label

Credit Memo Invoice Application	CreditMemoInvApplication	Standard Object	
Credit Memo Line	CreditMemoLine	Standard Object	
Customer	Customer	Standard Object	
Customer Details	Customer_Details__c	Custom Object	01/10/2024 ✓
D&B Company	DandBCompany	Standard Object	


SETUP


Object Manager

203 Items, Sorted by Label

Scorecard	Scorecard	Standard Object	
Scorecard Association	ScorecardAssociation	Standard Object	
Scorecard Metric	ScorecardMetric	Standard Object	
Seller	Seller	Standard Object	
Service Appointment	ServiceAppointment	Standard Object	
Service Appointment Attendee	ServiceAppointmentAttendee	Standard Object	
Service Contract	ServiceContract	Standard Object	
Service records	Service_records__c	Custom Object	01/10/2024

2.CREATION OF TABS:

To create a Tab:(Customer Details)

Go to setup page >> type Tabs in Quick Find bar >> click on tabs >> New (under custom object tab)

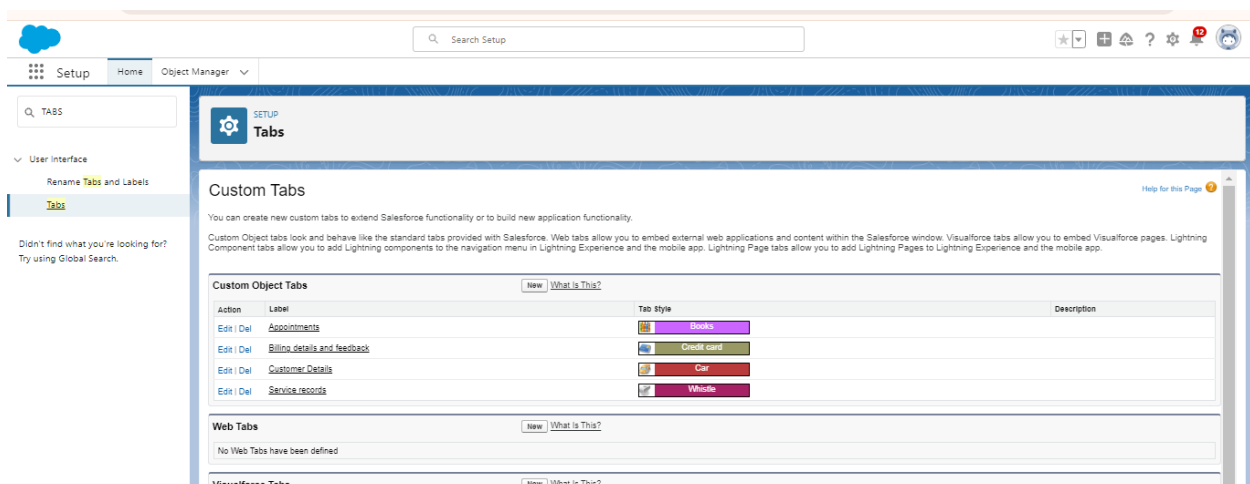
☑ Select Object(Customer Details) >> Select the tab style >> Next (Add to profiles page) keep it as default >> Next (Add to Custom App) uncheck the include tab .

☑ Make sure that the Append tab to users' existing personal customizations is checked.

☑ Click save.

☑ Now create the Tabs for the remaining Objects, they are “ Appointments, Service records,Billing details feedback”.

RESULTING PAGE OF AFTER CREATING TABS:



3.. The Lightning App:

☒ To create a lightning app page:

☒ Go to setup page >> search “app manager” in quick find
>> select “app manager” >> click on New lightning App

☒ Fill the app name in app details as Garage Management Application >> Next >> (App option page) keep it as default >> Next >> (Utility Items) keep it as default
>> Next.

☒ To Add Navigation Items:

☒ Select the items (Customer Details,Appointments, Service records, Billing details and feedback, Reports and Dashboards) from the search bar and move it using the arrow button >> Next.

☒ To Add User Profiles:

☒ Search profiles (System administrator) in the search bar
>> click on the arrow button >> save & finish.

4.FIELDS:

- ☒ Go to setup >> click on Object Manager >> type object name(Customer Details) in search bar >> click on the object.
- ☒ Now click on “Fields & Relationships” >> New
- ☒ Select Data type as a “Email” and Click on Next
- ☒ Fill the Above as following:
 - ☒ Field Label : Gmail
 - ☒ Field Name : gets auto generated
- ☒ Click on Next >> Next >> Save and new

RESULTS OF FIELDS PAGE:

❏ APPOINTMENT OBJECT

The screenshot shows the Salesforce Setup interface for the 'Appointment' object. The 'Fields & Relationships' section is active, displaying a list of 11 fields. The table below summarizes the fields shown in the screenshot.

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		
Owner	OwnerId	Lookup(User:Group)		✓
Repairs	Repairs__c	Checkbox		
Replacement Parts	Replacement_Parts__c	Checkbox		
Service Amount	Service_Amount__c	Currency(18, 0)		
Vehicle number plate	Vehicle_number_plate__c	Text(10) (Unique Case Insensitive)		

BILLING DETAILS AND FEEDBACK OBJECT:

The screenshot shows the Salesforce Setup interface for the 'Billing details and feedback' object. The 'Fields & Relationships' section is active, displaying a list of 8 fields. The table below summarizes the fields shown in the screenshot.

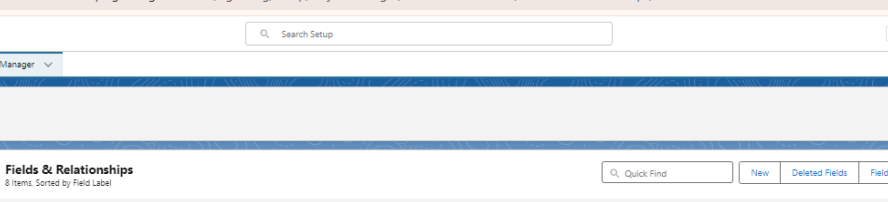
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Billing details and feedback Name	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User:Group)		✓
Payment Paid	Payment_Paid__c	Currency(18, 0)		
Payment Status	Payment_Status__c	Picklist		
Rating for service	Rating_for_service__c	Text(1) (Unique Case Insensitive)		✓
Service records	Service_records__c	Lookup(Service records)		✓

📦 CUSTOMER DETAILS OBJECT:

The screenshot shows the Salesforce Lightning Setup interface. The left sidebar contains a navigation menu with options like Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, Scoping Rules, Triggers, and Flow Triggers. The main content area is titled 'Customer Details' and shows the 'Fields & Relationships' section. It displays a table of fields with columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed. The fields listed are Created By, Customer Details__c, Customer Name, Email, Last Modified By, Owner, and Phone number. At the bottom right, there is a message: 'Activate Windows Go to Settings to activate Windows.'

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

☒ SERVICE RECORDS OBJECT:



The screenshot shows the Salesforce Lightning Setup interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The main content area is titled 'Service records' and displays the 'Fields & Relationships' section. A table lists the fields for the 'Service records' object, including 'Appointment', 'Created By', 'Last Modified By', 'Owner', 'Quality Check Status', 'service_date', 'Service records Name', and 'Service Status'. The table has columns for 'FIELD LABEL', 'FIELD NAME', 'DATA TYPE', 'CONTROLLING FIELD', and 'INDEXED'. The 'Appointment' field is highlighted in blue. The 'Service records Name' field is highlighted in yellow. The 'Service Status' field is highlighted in green. The 'Appointment' field is highlighted in blue. The 'Service records Name' field is highlighted in yellow. The 'Service Status' field is highlighted in green.

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Appointment	Appointment__c	Lookup(Appointment)		✓
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		

5.VALIDATION RULE:

Go to the setup page >> click on object manager >> From drop down click edit for Appointment object.

☒ Click on the validation rule >> click New.

☒ Enter the Rule name as “ ”.

☒ Insert the Error Condition Formula

☒ Enter the Error Message as “ ”, select the Error locations

RESULTS :

☒ APPIONTMENT OBJECT:

The screenshot shows the Salesforce Setup interface. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The 'Object Manager' dropdown is open, showing 'Appointment' selected. The left sidebar lists various setup options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Appointment' and displays the 'Validation Rules' section. It shows 1 item, sorted by Rule Name. The table below lists the validation rule:

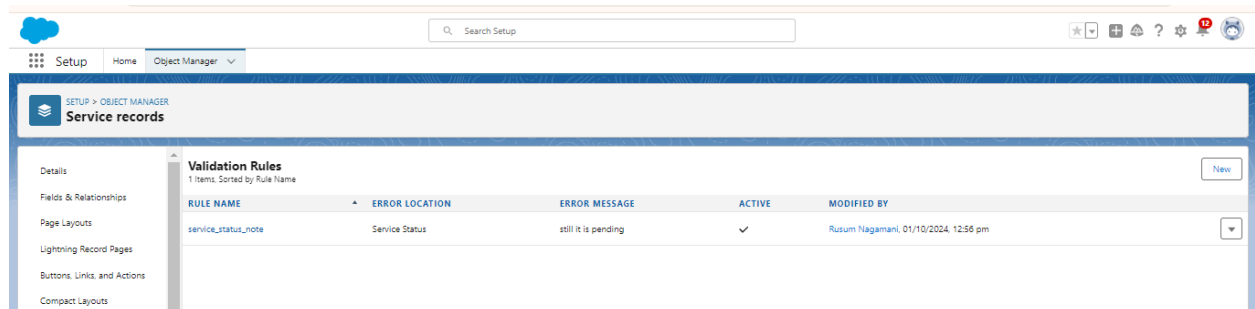
RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Vehicle	Vehicle number plate	Please enter valid number	✓	Rusum Nagamani, 01/10/2024, 12:53 pm

☒ BILLING DETAILLS AND FEEDBACK OBJECT:

The screenshot shows the Salesforce Setup interface for the 'Billing details and feedback' object. The top navigation bar includes 'Setup', 'Home', and 'Object Manager'. The 'Object Manager' dropdown is open, showing 'Billing details and feedback' selected. The left sidebar lists various setup options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Billing details and feedback' and displays the 'Validation Rules' section. It shows 1 item, sorted by Rule Name. The table below lists the validation rule:

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	✓	Rusum Nagamani, 01/10/2024, 12:58 pm

☒ SERVICE RECORDS OBJECT:



6.DUPLICATE RULE:

Go to quick find box in setup and search for matching Rule.

Click on matching rule >> click on New Rule.

Select the object as Customer details and click Next.

Give the Rule name : Matching customer details

Unique name : is auto populated

Define the matching criteria as

Field Matching Method

1. Gmail Exact

2. Phone Number Exact

Click save.

After Saving Click on Activate.

RESULT PAGE OF DUPLICATE RULES:

Browser address bar: `vvit271-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/home`

Navigation: Setup | Home | Object Manager

Search Setup

Left sidebar: PROFILES | Users | Profiles

Profiles

Buttons: New Profile, Edit, Delete, Create New View

Action	Profile Name	User License	Custom
<input type="checkbox"/> Edit Clone	Chatter Moderator User	Chatter Free	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Contract Manager	Salesforce	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Cross Org Data Proxy User	XOrg Proxy User	<input type="checkbox"/>
<input type="checkbox"/> Edit Del ...	Custom Marketing Profile	Salesforce	<input checked="" type="checkbox"/>
<input type="checkbox"/> Edit Del ...	Custom Sales Profile	Salesforce	<input checked="" type="checkbox"/>
<input type="checkbox"/> Edit Del ...	Custom Support Profile	Salesforce	<input checked="" type="checkbox"/>
<input type="checkbox"/> Edit Clone	Customer Community Login User	Customer Community Login	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Customer Community Plus Login User	Customer Community Plus Login	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Customer Community Plus User	Customer Community Plus	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Customer Community User	Customer Community	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Customer Portal Manager Custom	Customer Portal Manager Custom	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Customer Portal Manager Standard	Customer Portal Manager Standard	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	External App Login User	External App Login	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	External Identity User	External Identity	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Force.com - App Subscription User	Force.com - App Subscription	<input checked="" type="checkbox"/>
<input type="checkbox"/> Edit Clone	Force.com - Free User	Force.com - Free	<input type="checkbox"/>
<input type="checkbox"/> Edit Clone	Sales Partner User	Sales Partner	<input type="checkbox"/>

Activate Windows

8.Role & Role Hierarchy:

A role in Salesforce defines a user's visibility access at the record level. Roles may be used to specify the types of access that people in your Salesforce organization can have to data. Simply put, it describes what a user could see within the Salesforce organization.

Creating Manager Role:

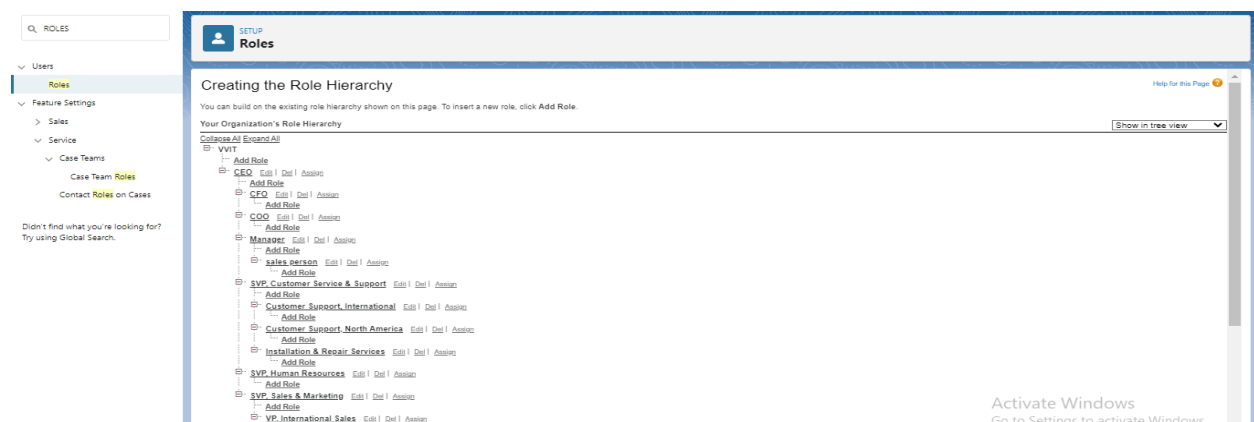
Go to quick find >> Search for Roles >> click on set up roles.

Click on Expand All and click on add role under whom this role works

Give Label as “Manager” and Role name gets auto populated. click on Save.

Give the sales person followed by manager in its internal with same factors with the name”sales person”

RESULTS OF ROLES:



The screenshot displays the Salesforce 'Roles' setup page. On the left, a navigation sidebar shows 'Users' and 'Roles' (highlighted). The main content area is titled 'Creating the Role Hierarchy' and shows a tree view of the organization's role hierarchy. The hierarchy starts with 'VWT' at the top, followed by 'CEO', 'COO', 'Manager', 'SVP Customer Service & Support', 'Customer Support International', 'Customer Support North America', 'Installation & Repair Services', 'SVP Human Resources', 'SVP Sales & Marketing', and 'VP International Sales'. Each role in the hierarchy has an 'Add Role' button next to it. The page also includes a search bar at the top left, a 'Show in tree view' dropdown, and an 'Activate Windows' watermark at the bottom right.

9.USERS:

A user is anyone who logs in to Salesforce. Users are employees at your company, such as sales reps, managers, and IT specialists, who need access to the company's records. Every user in Salesforce has a user account. The user account identifies the user, and the user account settings determine what features and records the user can access.

Go to setup >> type users in quick find box >> select users >> click New user.

Fill in the fields

First Name : Niklaus

Last Name : Mikaelson

Alias : Give a Alias Name

Email id : Give your Personal Email id

Username : Username should be in this form: text@text.text

Nick Name : Give a Nickname

Role : Manager

User licence : Salesforce

Profiles : Manager

Repeat the steps and create another user using

Role : sales person

User licence : Salesforce Platform,Profile : sales person

RESULT PAGE OF USERS:

[illegible]

10.PUBLIC GROUPS:

Public groups are a valuable tool for Salesforce administrators and developers to streamline user management, data access, and security settings. By creating and using public groups effectively, you can maintain a secure and organized Salesforce environment while ensuring that users have appropriate access to the resources they need.

Creating New Public Group:

Go to setup >> type users in quick find box >> select public groups >> click New

Give the Label as "sales team".

Group name is autopopulated.

Search for Roles.

In Available Members select Sales person and click on add it will be

moved to selected member.

Click on save.

RESULT OF PUBLIC GROUPS:

Setup

Home

Object Manager

Q Search Setup

12

Q users

Users

Permission Set Groups

Permission Sets

Profiles

Public Groups

Queues

Roles

User Management Settings

Users

Feature Settings

Data.com

Prospector Users

Didn't find what you're looking for?

Try using Global Search.

SETUP

Public Groups

Group Membership

Group: sales team

Help for this Page

Group Information

Save

Cancel

Edit Public Group

Required Information

Label

Public Roles

Group Name

sales_team

Grant Accesses Using Hierarchies

☒

Search

Public Groups

for

Find

Available Members

--None--

Selected Members

Role: sales person

Add

Remove

Save

Cancel

11.Sharing Setting:

Salesforce allows you to configure sharing settings to control how records are accessed and shared within your organization. These settings are crucial for maintaining data security and privacy.

Salesforce provides a variety of tools and mechanisms to define and enforce sharing rules, such as:

Go to setup >> type users in quick find box >> select Sharing Settings

>> click Edit.

Change the OWD setting of the Service records Object to private .

Click on save and refresh.

Scroll down a bit, Click new on Service records sharing Rules.

Give the Label name as “ Sharing setting”

Rule name is auto populated.

In step 3 : Select which records to be shared, members of “ Roles ” >>“

Sales person”

In step 4: share with, select “ Roles ” >> “ Manager ”

In step 5 : Change the access level to “ Read / write ”.

Click on save.

RESULT PAGE OF SHARING SETTINGS:

Setup

Home

Object Manager

Q SHARING

Security

Guest User

Sharing Rule Access Report

Sharing Settings

Didn't find what you're looking for?

Try using Global Search.

Q Search Setup

★

🔍

🔧

?

🔔

👤

SETUP

Sharing Settings

Promotion Segment	Private	Private	✓
Queue	Public Read/Write	Private	✓
Queued Party	Public Read/Write	Private	✓
Queue Messaging Template	Public Read/Write	Private	✓
Quick Text	Private	Private	✓
Quick Text Usage	Private	Private	✓
Rebate Payout Snapshot	Private	Private	✓
Return Order	Private	Private	✓
Scorecard	Private	Private	✓
Seller	Private	Private	✓
Service Appointment	Public Read/Write	Private	✓
Service Appointment Attendee	Private	Private	✓
Service Contract	Private	Private	✓
Service Resource	Public Read/Write	Private	✓
Service Territory	Public Read/Write	Private	✓
Shift	Private	Private	✓
Shipment	Private	Private	✓
Shipping Carrier	Public Read Only	Private	✓
Shipping Carrier Method	Public Read Only	Private	✓
Shipping Configuration Set	Public Read Only	Private	✓
Streaming Channel	Public Read/Write	Private	✓
Tableau Host Mapping	Public Read Only	Private	✓
User Provisioning Request	Private	Private	✓
Waitlist	Private	Private	✓
Web Cert Document	Private	Private	✓

Activate Windows

Go to Settings to activate Windows.

12.FLOWS

Go to setup >> type Flow in quick find box >> Click on the Flow and Select the New Flow.

Select the Record-triggered flow and Click on Create.

Select the Object as "Billing details and feedback" in the Drop down list.

Select the Trigger Flow when: "A record is Created or Updated".

Select the Optimize the flow for: "Actions and Related Records" and

Click on Done.

Under the Record-triggered Flow Click on "+" Symbol and In the Drop

down List select the "Update records Element".

Give the Label Name : Amount Update

Api name : is auto populated

Set a filter condition : All Conditions are met(AN

Field : Payment_Status__c

Operator : Equals Value : Completed

And Set Field Values for the Billing details and feedback Record

Field Payment_Paid__c Value :

{!\$Record.Service_records__r.Appointment__r.Service_Amount__c}

Click On Done.

Before creating another Element. Create a New Resource form
Toolbox

form top left.

Click on the New Resource, And select Variable.

Select the resource type as text template Enter the API

In body field paste the syntax that given below.

Dear

{!\$Record.Service_records__r.Appointment__r.Customer_Name__r.
Name},

I hope this message finds you well. I wanted to take a moment to
express my sincere gratitude for your recent payment for the
services

provided by our garage management team. Your prompt payment
is

greatly appreciated, and it helps us continue to provide top-notch
services to you and all our valued customers.

Amount paid : {!\$Record.Payment_Paid__c}

Thank you for Coming .

24. Now Click on Add Element , select Action.

25. Their action bar will be opened in that search for “ send email

”

and click on it.

26. Give the label name as “ Email Alert”

27. API name will be auto populated.

28. Enable the body in set input values for the selected action.

29. Select the text template that created , Body :

30. Include recipient address list select the email form the record.

31. RecipientAddressList:

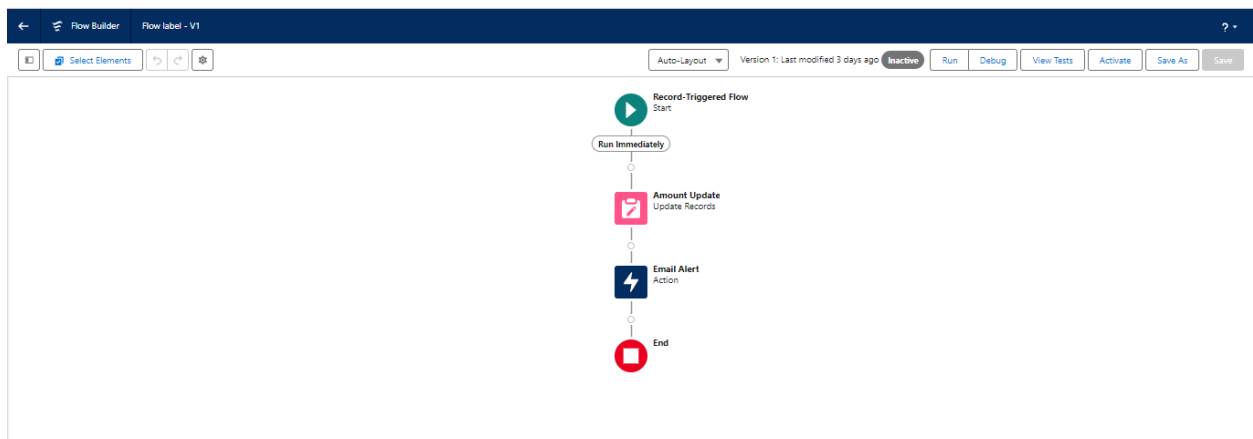
{!\$Record.Service_records__r.Appointment__r.Customer_Name__r.
Gmail__c}

32. Include subject as “ Thank You for Your Payment - Garage
Management”.

33. Click done.

Click on save. Give the Flow label , Flow Api name will be
autopopulated.And click save, and click on activate

RESULT OF FLOW:



13.APEX TRIGGER:

Apex can be invoked by using triggers. Apex triggers enable you to perform custom actions before or after changes to Salesforce records, such as insertions, updates, or deletions.

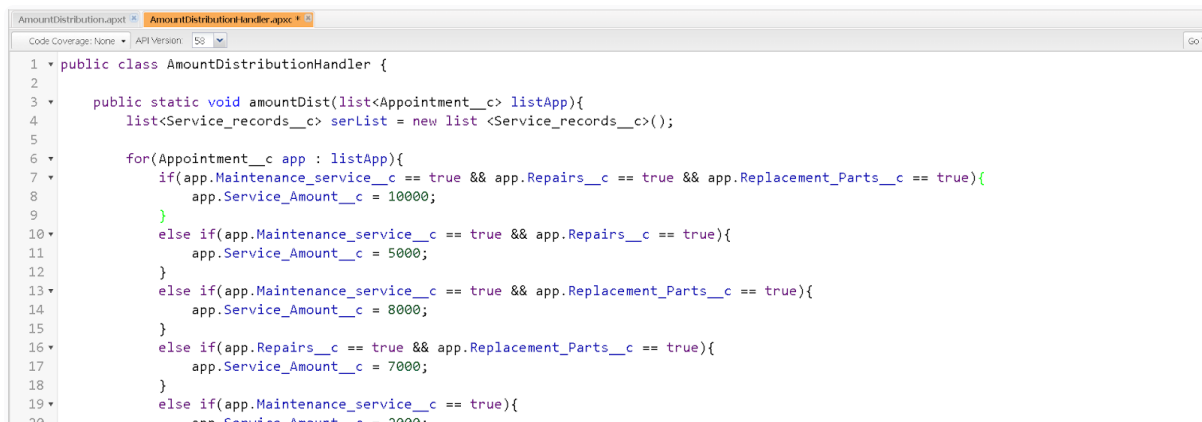
Login to the respective trailhead account and navigate to the gear icon in the top right corner.

Click on the Developer console. Now you will see a new console window.

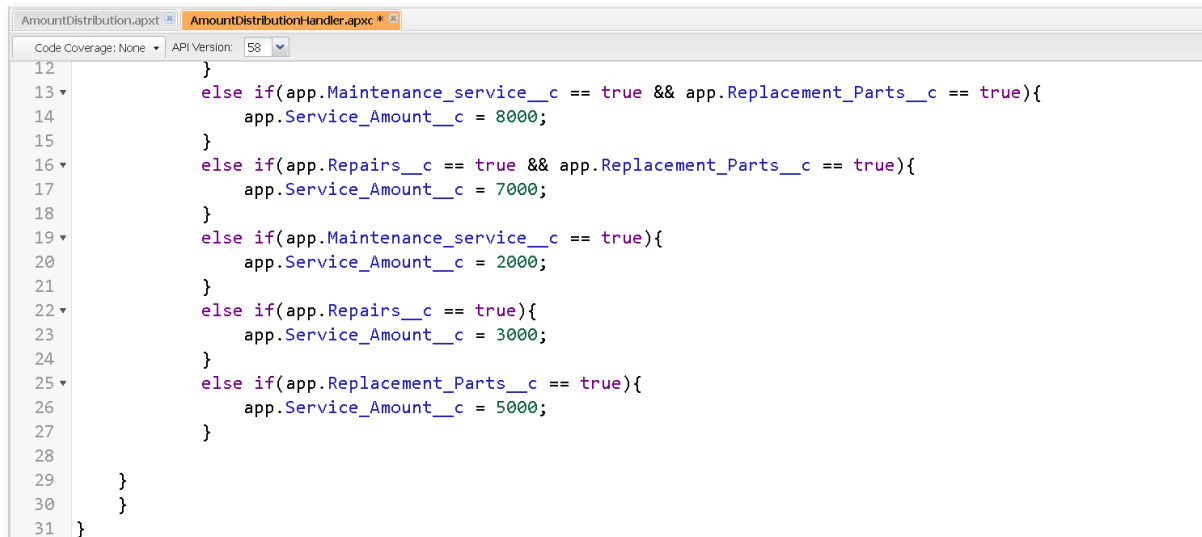
In the toolbar, you can see FILE. Click on it and navigate to new and create New apex class.

Name the class as “AmountDistributionHandler”.

RESULTS OF APEX CLASS:

The image shows a screenshot of the Salesforce Developer Console. At the top, there's a tab labeled 'AmountDistributionHandler.apex'. Below the tab, there's a toolbar with 'Code Coverage: None' and 'API Version: 58'. The main area displays the Apex code for the 'AmountDistributionHandler' class. The code is as follows:

```
1 public class AmountDistributionHandler {
2
3     public static void amountDist(list<Appointment__c> listApp){
4         list<Service_records__c> serList = new list<Service_records__c>();
5
6         for(Appointment__c app : listApp){
7             if(app.Maintenance_service__c == true && app.Repairs__c == true && app.Replacement_Parts__c == true){
8                 app.Service_Amount__c = 10000;
9             }
10            else if(app.Maintenance_service__c == true && app.Repairs__c == true){
11                app.Service_Amount__c = 5000;
12            }
13            else if(app.Maintenance_service__c == true && app.Replacement_Parts__c == true){
14                app.Service_Amount__c = 8000;
15            }
16            else if(app.Repairs__c == true && app.Replacement_Parts__c == true){
17                app.Service_Amount__c = 7000;
18            }
19            else if(app.Maintenance_service__c == true){
20                app.Service_Amount__c = 2000;
```



```
12 }
13     else if(app.Maintenance_service__c == true && app.Replacement_Parts__c == true){
14         app.Service_Amount__c = 8000;
15     }
16     else if(app.Repairs__c == true && app.Replacement_Parts__c == true){
17         app.Service_Amount__c = 7000;
18     }
19     else if(app.Maintenance_service__c == true){
20         app.Service_Amount__c = 2000;
21     }
22     else if(app.Repairs__c == true){
23         app.Service_Amount__c = 3000;
24     }
25     else if(app.Replacement_Parts__c == true){
26         app.Service_Amount__c = 5000;
27     }
28 }
29 }
30 }
31 }
```

Trigger Handler :

How to create a new trigger :

While still in the trailhead account, navigate to the gear icon in the top right corner.

Click on developer console and you will be navigated to a new console window.

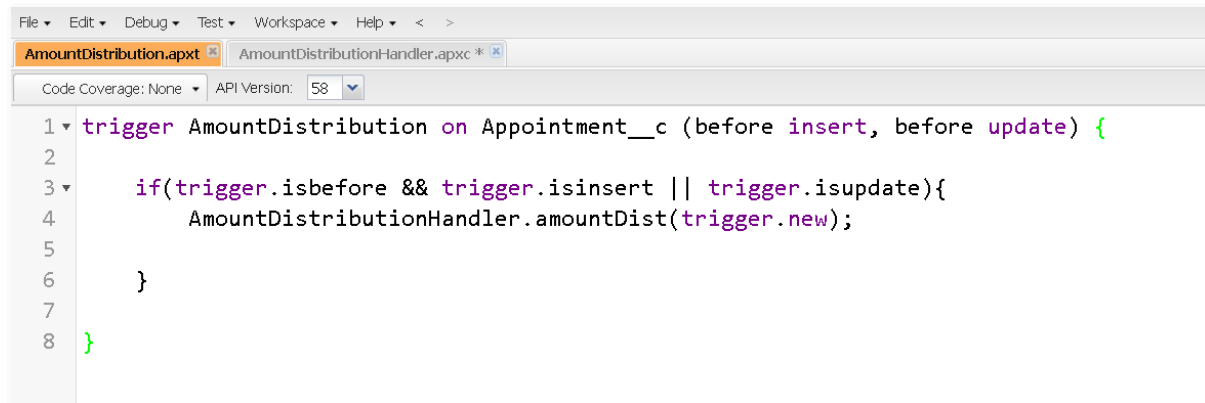
Click on File menu in the tool bar, and click on new? Trigger.

Enter the trigger name and the object to be triggered.

Name : AmountDistribution

1. sObject : Appointment__c

RESULTS OF TRIGGER:



The screenshot shows an IDE window with two tabs: 'AmountDistribution.apxt' (active) and 'AmountDistributionHandler.apxc *'. The interface includes a menu bar (File, Edit, Debug, Test, Workspace, Help) and a status bar (Code Coverage: None, API Version: 58). The code editor displays the following Apex trigger definition:

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

14.CREATE REPORT:

Click on the app launcher and search for reports.

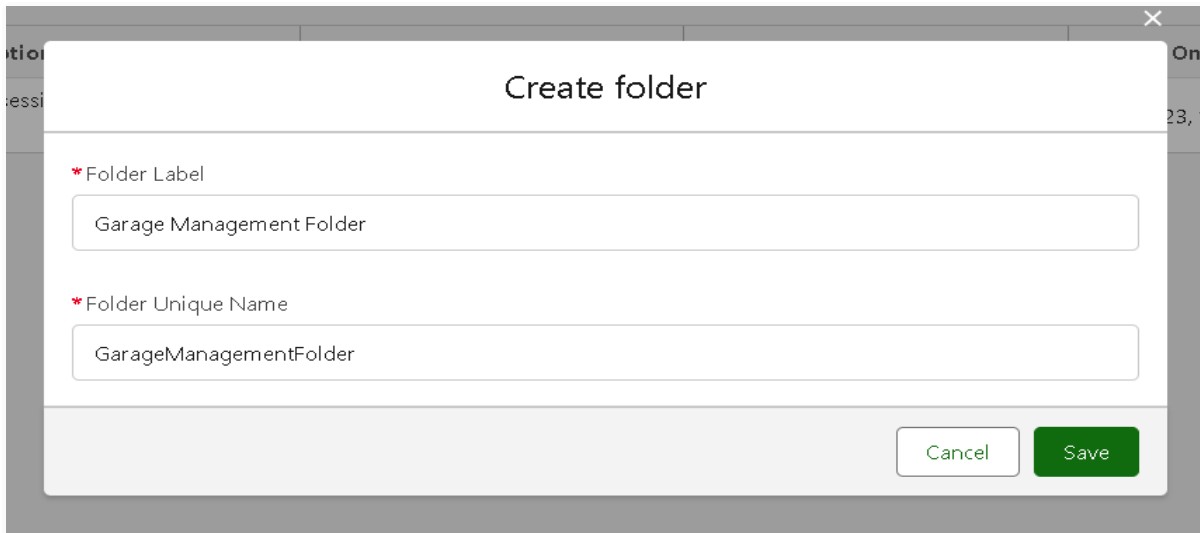
Click on the report tab, click on new folder

Give the Folder label as “Garage Management Folder”,

Folder unique name will be auto populated.

Click save.

RESULT:



tion

ession

On

23, 1

Create folder

* Folder Label

Garage Management Folder

* Folder Unique Name

GarageManagementFolder

Cancel Save

15.DASHBOARDS:

Click on the app launcher and search for dashboard.

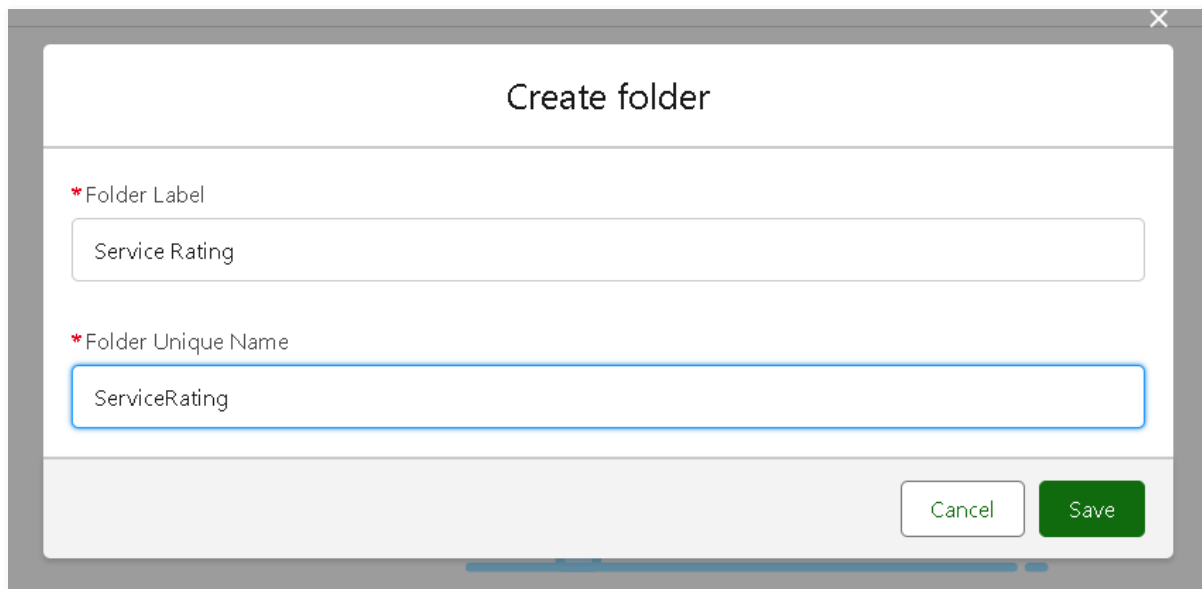
Click on dashboard tab.

Click new folder, give the folder label as “ Service Ratingg dashboard”.

Folder unique name will be auto populated.

Click save

RESULT :



Create folder

* Folder Label

Service Rating

* Folder Unique Name

ServiceRating

Cancel Save

Go to the app >> click on the Dashboards tabs.

Give a Name and select the folder that created, and click on create.

Select add component.

Select the Line Chart. Change the theme.

Click Add then click on Save and then click on Done.

Preview is shown below.

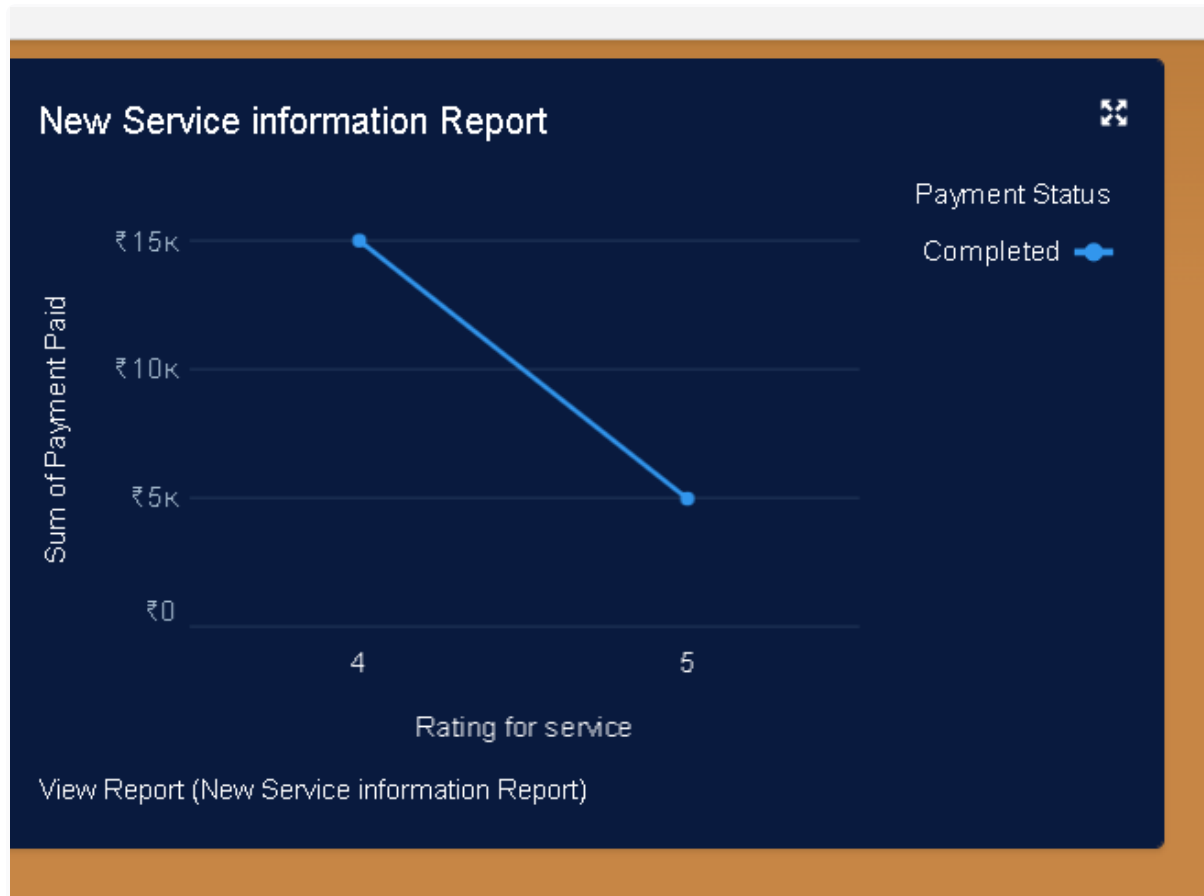
After that Click on Subscribe on top right.

Set the Frequency as “ weekly ”.

Set a day as monday.

And Click on save

RESULT:



REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	New Service information Report		Garage Management Folder	Rusum Nagamani	2/10/2024, 7:14 pm	
Created by Me						
Private Reports						
Public Reports						
All Reports						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						