

# **Garage Management System**

**College Name:** GOVERNMENT ARTS AND SCIENCE COLLEGE FOR WOMEN

**College Code:** brubm

**TEAM ID:** NM2025TMID26085

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# 1. INTRODUCTION

## 1.1 Project Overview

The Garage Management System (GMS) is designed to optimize automotive repair operations by simplifying service management, enhancing efficiency, and strengthening customer relationships. With an intuitive interface and robust features, it ensures a seamless experience for both customers and staff, enabling garages to remain competitive in the market.

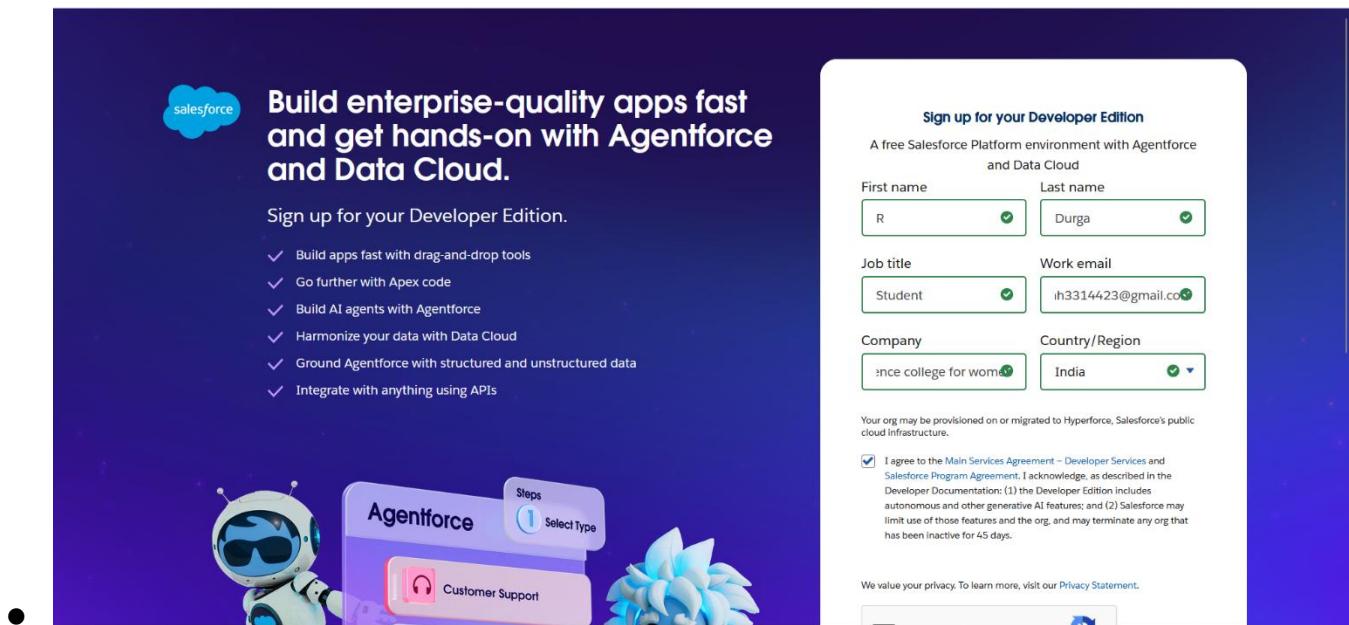
## 1.2 Purpose

The purpose of the Garage Management System (GMS) is to streamline operations in automotive repair facilities by providing a user-friendly, efficient platform that enhances service quality, improves workflow management, and strengthens customer relationships.

# 2. DEVELOPMENT PHASE

Creating Developer Account:

By using this URL - <https://naanmudhalvan.smartinternz.com>



Created Objects : Customer Details, Appointments, Service records, Billing details and feedback

Setup > OBJECT MANAGER

## Customer Details

Details

Description

API Name  
Customer\_Details\_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

Setup > OBJECT MANAGER

## Appointment

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

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. The top navigation bar includes 'Setup', 'Home', 'Object Manager', and a search bar. The main content area displays the 'Billing details and feedback' object details. The left sidebar lists various configuration options: 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, and Scoping Rules. The right panel shows the 'Details' section for the object, which includes fields for Description, API Name (Billing\_details\_and\_feedback\_c), Singular Label (Billing details and feedback), Plural Label (Billing details and feedback), and several checkboxes for reporting and tracking.

**Billing details and feedback**

**Details**

Description

API Name  
Billing\_details\_and\_feedback\_c

Custom

Singular Label  
Billing details and feedback

Plural Label  
Billing details and feedback

Enable Reports  
✓

Track Activities

Track Field History

Deployment Status  
Deployed

Help Settings

Standard salesforce.com Help Window

**Edit** **Delete**

The screenshot shows the Salesforce Setup interface with the 'Object Manager' selected. The top navigation bar includes 'Setup', 'Home', 'Object Manager', and a search bar. The main content area displays the 'Service records' object details. The left sidebar lists various configuration options: 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, and Scoping Rules. The right panel shows the 'Details' section for the object, which includes fields for Description, API Name (Service\_records\_c), Singular Label (Service records), Plural Label (Service records), and several checkboxes for reporting and tracking.

**Service records**

**Details**

Description

API Name  
Service\_records\_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

**Edit** **Delete**

- CreatedCustomTabsforalltheObjectsthatisbeenCreated

**Custom Tabs**

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

**Custom Object Tabs** [New](#) [What Is This?](#)

No Custom Object Tabs have been defined

**Web Tabs** [New](#) [What Is This?](#)

No Web Tabs have been defined

**Visualforce Tabs** [New](#) [What Is This?](#)

No Visualforce Tabs have been defined

**Lightning Component Tabs** [New](#) [What Is This?](#)

No Lightning component tabs have been defined

**Lightning Page Tabs** [New](#) [What Is This?](#)

No Lightning Page Tabs have been defined

**Custom Tabs**

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

**Custom Object Tabs** [New](#) [What Is This?](#)

Action	Label	Tab Style	Description
Edit   Del	Appointments	Bottle	
Edit   Del	Billing details and feedback	Jewel	
Edit   Del	Customer Details	Diamond	
Edit   Del	Service records	Compass	

**Web Tabs** [New](#) [What Is This?](#)

No Web Tabs have been defined

**Visualforce Tabs** [New](#) [What Is This?](#)

No Visualforce Tabs have been defined

**Lightning Component Tabs** [New](#) [What Is This?](#)

No Lightning Component Tabs have been defined

- Developed Lightning App with relevant tabs

Lightning Experience App Manager

App Name ↑	Developer Name	Description	Last Modified Date	App Type	Visible...
1 All Tabs	AllTabSet	Build CRM Analytics dashboards and apps	8/11/2025, 10:44 PM	Classic	✓
2 Analytics Studio	Insights	Build CRM Analytics dashboards and apps	8/11/2025, 10:44 PM	Classic	✓
3 App Launcher	AppLauncher	App Launcher tabs	8/11/2025, 10:44 PM	Classic	✓
4 Approvals	Approvals	Manage approvals and approval flows	8/11/2025, 10:44 PM	Lightning	✓
5 Automation	FlowsApp	Automate business processes and repetitive tasks.	8/11/2025, 10:49 PM	Lightning	✓
6 Bolt Solutions	LightningBolt	Discover and manage business solutions designed for your industry.	8/11/2025, 10:44 PM	Lightning	✓
7 Community	Community	Salesforce CRM Communities	8/11/2025, 10:44 PM	Classic	✓
8 Content	Content	Salesforce CRM Content	8/11/2025, 10:44 PM	Classic	✓
9 Data Cloud	Audience360	Build a thorough and complete understanding of your customers.	8/11/2025, 10:44 PM	Lightning	✓
10 Data Manager	DataManager	Use Data Manager to view limits, monitor usage, and manage recipes.	8/11/2025, 10:44 PM	Lightning	✓
11 Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	8/11/2025, 10:44 PM	Lightning	✓
12 Lightning Usage App	LightningInstrumentation	View Adoption and Usage Metrics for Lightning Experience	8/11/2025, 10:44 PM	Lightning	✓
13 Marketing CRM Classic	Marketing	Track sales and marketing efforts with CRM objects.	8/11/2025, 10:44 PM	Classic	✓
14 My Service Journey	MSJApp	Discover new customer service capabilities.	8/11/2025, 10:44 PM	Lightning	✓

### 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 Application

\* Developer Name !  
Garage\_Management\_Application

Description !  
Enter a description...

**App Branding**

Image !

Primary Color Hex  
Value !

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

**Next**

## New Lightning App

### App Options

#### Navigation and Form Factor ?

##### \* Navigation Style

- Standard navigation
- Console navigation

##### \*Supported Form Factors

- Desktop and phone
- Desktop
- Phone

#### Setup and Personalization ?

##### Setup Experience

- Setup (full set of Setup options)
- Service Setup
- Data Cloud Setup

##### App Personalization Settings

- Disable end user personalization of nav items in this app
- Disable temporary tabs for items outside of this app
- Use Omni-Channel sidebar

Back

Next

## New Lightning App

### Utility Items (Desktop Only)

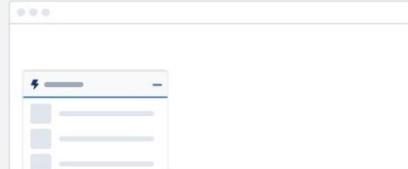
Give your users quick access to productivity tools and add background utility items to your app.

Add Utility Item

Utility Bar Alignment ?

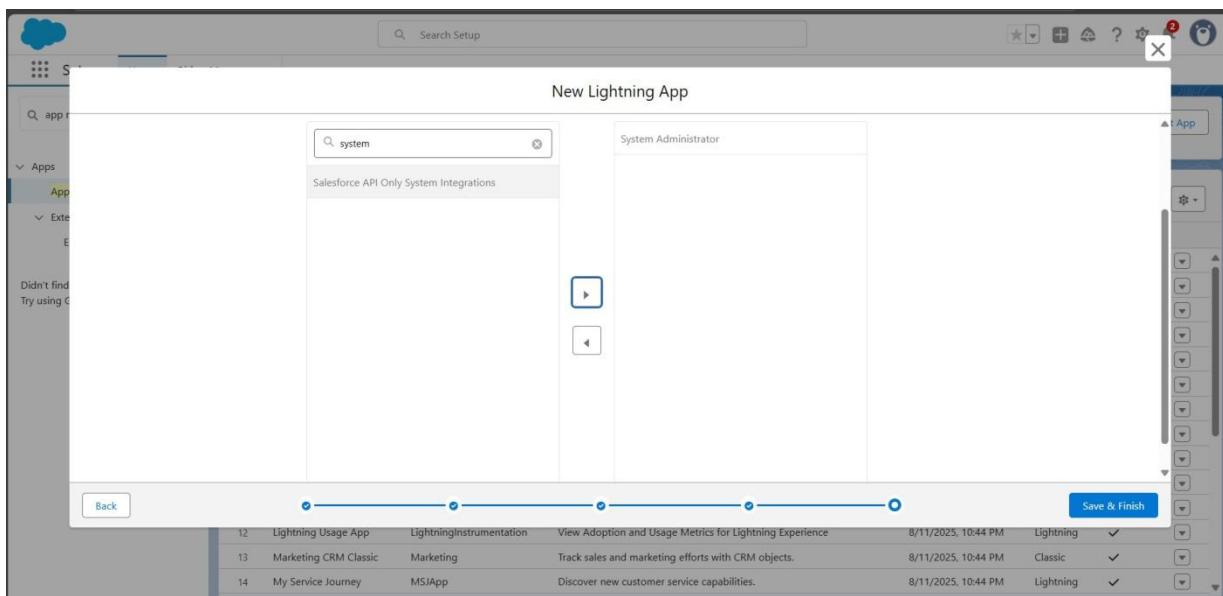
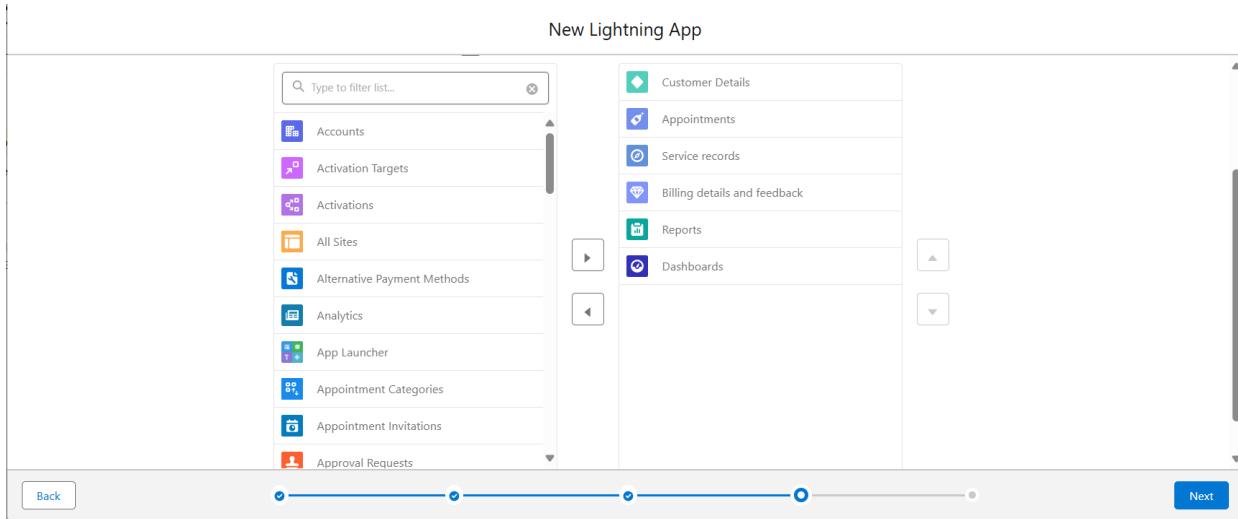
Default

The utility bar is a fixed footer that opens components in docked panels. Available only when the app is viewed in Lightning Experience on a desktop.



Back

Next



- Created the fields for Customer Details Object, Lookup, Checkbox, Date Fields, Currency, Text, Picklist, Formula and Service Records Object

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

- Header:** Search Setup, Home, Object Manager.
- Breadcrumb:** SETUP > OBJECT MANAGER, Customer Details.
- Left Sidebar:** Details, Fields & Relationships (selected), 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.
- Table:** Fields & Relationships (6 items, Sorted by Field Label)
 

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Customer Details 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 with the following details:

- Header:** Search Setup, Home, Object Manager.
- Breadcrumb:** SETUP > OBJECT MANAGER, Appointment.
- Left Sidebar:** Details, Fields & Relationships (selected), 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.
- Table:** Fields & Relationships (5 items, Sorted by Field Label)
 

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Appointment Name	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		▼
Customer Details	Customer_Details__c	Lookup(Customer Details)		✓
Last Modified By	LastModifiedById	Lookup(User)		▼
Owner	OwnerId	Lookup(User,Group)		✓

The screenshot shows the Salesforce Setup interface under the Object Manager. The left sidebar lists various object configuration options like Fields & Relationships, Page Layouts, and Buttons, Links, and Actions. The main content area is titled "Service records" and displays the "Details" tab. It includes fields for Description, API Name (Service\_records\_c), Singular Label (Service records), and Plural Label (Service records). On the right, there are sections for enabling Reports, tracking Activities, Field History, Deployment Status (Deployed), Help Settings, and a link to the Standard salesforce.com Help Window. Navigation icons for Home, Object Manager, and other setup tabs are at the top.

The screenshot shows the Salesforce Setup interface under the Object Manager. The left sidebar lists various object configuration options. The main content area is titled "Billing details and feedback" and displays the "Fields & Relationships" tab. It lists five fields: Billing details and feedback Name (Name, Auto Number, indexed), Created By (CreatedById, Lookup(User)), Last Modified By (LastModifiedById, Lookup(User)), Owner (OwnerId, Lookup(User.Group)), and Service records (Service\_records\_\_c, Lookup(Service records)). A header bar at the top includes a search bar, New, Deleted Fields, Field Dependencies, and Set History Tracking buttons. Navigation icons for Home, Object Manager, and other setup tabs are at the top.

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Customer Details**

Details

**Fields & Relationships**  
6 Items, Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Customer Details 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		

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

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Appointment**

Details

**Fields & Relationships**  
9 Items, Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Appointment Date	Appointment_Date__c	Date/Time		
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		

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

SETUP > OBJECT MANAGER

## Service records

Fields & Relationships		FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
<a href="#">Details</a> <a href="#">Fields &amp; Relationships</a> <span style="color: blue;">(selected)</span> <a href="#">Page Layouts</a> <a href="#">Lightning Record Pages</a> <a href="#">Buttons, Links, and Actions</a> <a href="#">Compact Layouts</a> <a href="#">Field Sets</a> <a href="#">Object Limits</a> <a href="#">Record Types</a> <a href="#">Related Lookup Filters</a> <a href="#">Search Layouts</a> <a href="#">List View Button Layout</a> <a href="#">Restriction Rules</a> <a href="#">Scoping Rules</a>	6 Items, Sorted by Field Label					
			Appointment	Appointment_c	Lookup(Appointment)	<input checked="" type="checkbox"/>
			Created By	CreatedById	Lookup(User)	
			Last Modified By	LastModifiedById	Lookup(User)	
			Owner	OwnerId	Lookup(User,Group)	<input checked="" type="checkbox"/>
			Quality Check Status	Quality_Check_Status_c	Checkbox	
		Service records Name	Name	Auto Number	<input checked="" type="checkbox"/>	

SETUP > OBJECT MANAGER

## Billing details and feedback

Fields & Relationships		FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
<a href="#">Details</a> <a href="#">Fields &amp; Relationships</a> <span style="color: blue;">(selected)</span> <a href="#">Page Layouts</a> <a href="#">Lightning Record Pages</a> <a href="#">Buttons, Links, and Actions</a> <a href="#">Compact Layouts</a> <a href="#">Field Sets</a> <a href="#">Object Limits</a> <a href="#">Record Types</a> <a href="#">Related Lookup Filters</a> <a href="#">Search Layouts</a> <a href="#">List View Button Layout</a> <a href="#">Restriction Rules</a> <a href="#">Scoping Rules</a>	6 Items, Sorted by Field Label					
			Billing details and feedback Name	Name	Auto Number	<input checked="" type="checkbox"/>
			Created By	CreatedById	Lookup(User)	
			Last Modified By	LastModifiedById	Lookup(User)	
			Owner	OwnerId	Lookup(User,Group)	<input checked="" type="checkbox"/>
			Payment Paid	Payment_Paid_c	Currency(18, 0)	
		Service records	Service_records_c	Lookup(Service records)	<input checked="" type="checkbox"/>	



Billing details and feedback				
Details	Fields & Relationships			
FIELDS & RELATIONSHIPS	FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD
Page Layouts	Billing details and feedback Name	Name	Auto Number	✓
Lightning Record Pages	Created By	CreatedBy	Lookup(User)	
Buttons, Links, and Actions	Last Modified By	LastModifiedBy	Lookup(User)	
Compact Layouts	Owner	OwnerId	Lookup(User,Group)	✓
Field Sets	Payment Paid	Payment_Paid__c	Currency(18, 0)	
Object Limits	Rating for service	Rating_for_service__c	Text(1)	
Record Types	Service records	Service_records__c	Lookup(Service records)	✓
Related Lookup Filters				
Search Layouts				
List View Button Layout				
Restriction Rules				
Scoping Rules				



Fields & Relationships				
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 records Name	Name	Auto Number		✓
Service Status	Service_Status__c	Picklist		

Setup > OBJECT MANAGER

### Billing details and feedback

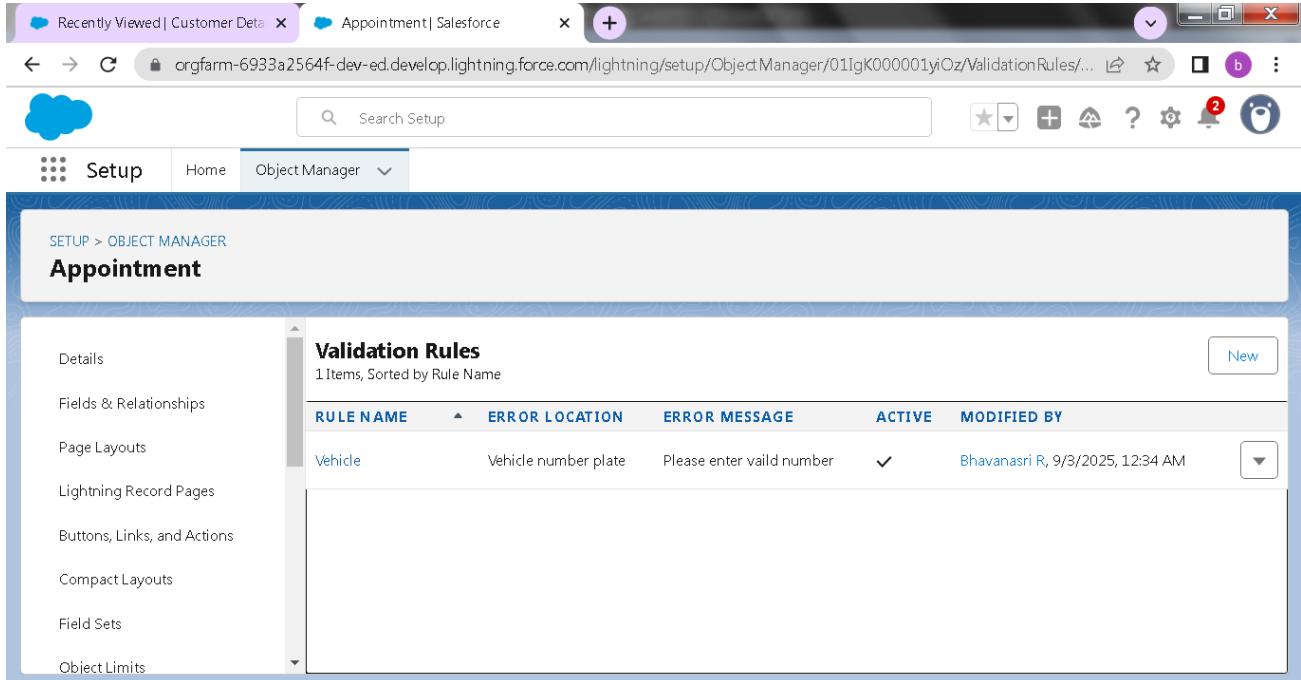
Fields & Relationships				
8 Items, Sorted by Field Label				
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Billing details and feedback Name	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Payment Paid	Payment_Paid__c	Currency(18, 0)		
Payment Status	Payment_Status__c	Picklist		
Rating for service	Rating_for_service__c	Text(1)		
Service records	Service_records__c	Lookup(Service records)		✓

Setup > OBJECT MANAGER

### Service records

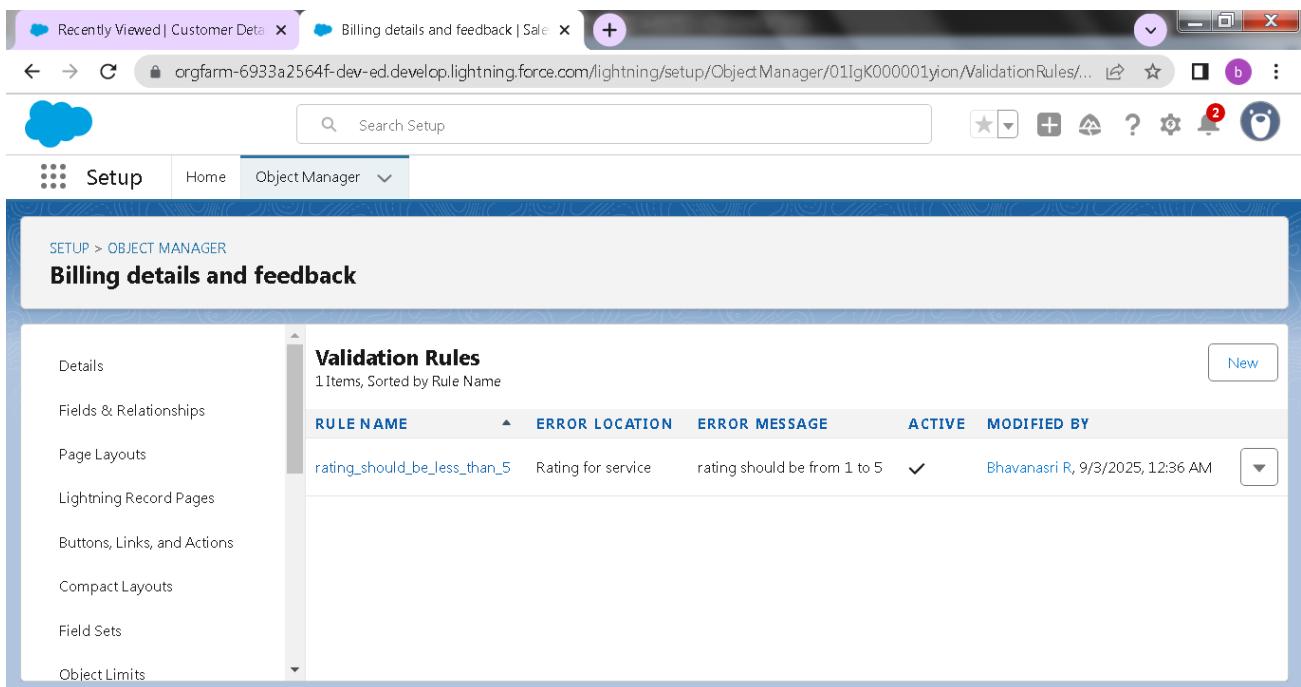
Fields & Relationships				
8 Items, Sorted by Field Label				
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Appointment	Appointment__c	Lookup(Appointment)		✓
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Quality 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		

- Created the Validation rule for Appointment object, Billing Details and Feedback objects.



The screenshot shows the Salesforce Object Manager interface for the Appointment object. On the left, a sidebar lists various object components: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, and Object Limits. The main content area is titled "Validation Rules" and displays one item: "Vehicle". The table columns are RULE NAME, ERROR LOCATION, ERROR MESSAGE, ACTIVE, and MODIFIED BY. The entry for "Vehicle" has a rule name of "Vehicle", an error location of "Vehicle number plate", an error message of "Please enter valid number", is active, and was modified by Bhavanasri R on 9/3/2025 at 12:34 AM.

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Vehicle	Vehicle number plate	Please enter valid number	✓	Bhavanasri R, 9/3/2025, 12:34 AM



The screenshot shows the Salesforce Object Manager interface for the Billing details and feedback object. On the left, a sidebar lists various object components: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, and Object Limits. The main content area is titled "Validation Rules" and displays one item: "rating\_should\_be\_less\_than\_5". The table columns are RULE NAME, ERROR LOCATION, ERROR MESSAGE, ACTIVE, and MODIFIED BY. The entry for "rating\_should\_be\_less\_than\_5" has a rule name of "rating\_should\_be\_less\_than\_5", an error location of "Rating for service", an error message of "rating should be from 1 to 5", is active, and was modified by Bhavanasri R on 9/3/2025 at 12:36 AM.

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	✓	Bhavanasri R, 9/3/2025, 12:36 AM

- Created duplicate rules to Customer details Object for Matching and Duplicate.

Recently Viewed | Customer Data x Matching Rules | Salesforce x

orgfarm-6933a2564f-dev-ed.develop.lightning.force.com/lightning/setup/MatchingRules/page?address=%2F0JDgK000003fqjf

Setup Home Object Manager

Search Setup

match

Data Duplicate Management Matching Rules

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

**Matching Rules**

Matching Rule Matching customer Help for this Page

**Matching Rule Detail**

Object	Customer Detail
Rule Name	Matching customer
Unique Name	Matching_customer
Description	
Matching Criteria	(Customer Detail: Gmail EXACT MatchBlank = FALSE) AND (Customer Detail: Phone_number EXACT MatchBlank = FALSE)
Status	Active
Created By	Bhavanasri R, 9/3/2025, 1:28 AM
Modified By	Bhavanasri R, 9/3/2025, 1:28 AM

Recently Viewed | Customer Data x Duplicate Rules | Salesforce x

orgfarm-6933a2564f-dev-ed.develop.lightning.force.com/lightning/setup/DuplicateRules/page?address=%2F0BmgK000003...

Setup Home Object Manager

Search Setup

duplicate

Data Duplicate Management Duplicate Error Logs Duplicate Rules Matching Rules

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

**Duplicate Rules**

Customer Detail Duplicate Rule Customer Detail duplicate Help for this Page

**Duplicate Rule Detail**

Rule Name	Customer Detail duplicate	Order	1 of 1 [ Reorder ]
Description			
Object	Customer Detail	Operations On Create	<input checked="" type="checkbox"/> Alert <input checked="" type="checkbox"/> Report
Record-Level Security	Enforce sharing rules	Operations On Edit	<input type="checkbox"/> Alert <input type="checkbox"/> Report
Action On Create	Allow		
Action On Edit	Allow		
Alert Text	Use one of these records?		
Active	<input checked="" type="checkbox"/>		

- Created Profiles for Manager and SalesPerson.

The screenshot shows the Salesforce Setup interface under the Profiles section. On the left, the navigation pane includes options like Hyperforce Assistant, Users (selected), Feature Settings, Data.com, Functions, and Marketing. The main content area displays the 'Manager' profile details:

- Profile Detail:**
  - Name: Manager
  - User License: Salesforce
  - Description: (empty)
  - Created By: Bhavanasri R. on 9/3/2025, 1:36 AM
  - Modified By: Bhavanasri R. on 9/3/2025, 1:42 AM
- Permissions:** A list of enabled permissions including Login IP Ranges, Apex Class Access, Visualforce Page Access, External Data Source Access, Named Credential Access, External Credential Principal Access, Custom Metadata Type Access, Custom Setting Definitions Access, Flow Access, Service Presence Status Access, and Custom Permissions.

- Created Users and Another user

The screenshot shows the Salesforce Setup interface under the Users section. The navigation pane includes options like Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, User Management Settings (selected), and Users. The main content area shows the 'New User' creation form:

User Edit		Save	Save & New	Cancel
<b>General Information</b> <small>  Required Information</small>				
First Name	bhavanasri	Role	<None Specified>	
Last Name	r	User License	Force.com - App Subscription	
Alias	hhs	Profile	Force.com - App Subscription User	
Email	bhavanasri2626@gmail.com	Active	<input checked="" type="checkbox"/>	
Username	bhavanasri2626@gmail.com	Marketing User	<input type="checkbox"/>	
Nickname	User1757778394380595	Offline User	<input type="checkbox"/>	
Title		Knowledge	<input checked="" type="checkbox"/>	

Recently Viewed | Customer Data x    Users | Salesforce x

orgfarm-6933a2564f-dev-ed.lightning.force.com/lightning/setup/ManageUsers/page?address=%2F005%2Fe%3Fr...

Setup Home Object Manager

Search Setup

SETUP Users

New User

User Edit Save Save & New Cancel

General Information | Required Information

First Name	bhavanasri	Role	<None Specified>
Last Name	r	User License	Force.com - App Subscription
Alias	hhs	Profile	Force.com - App Subscription User
Email	bhavanasri2626@gmail.com	Active	<input checked="" type="checkbox"/>
Username	bhavanasri2626@gmail.com	Marketing User	<input type="checkbox"/>
Nickname	User1757778394380595	Offline User	<input type="checkbox"/>
Title		Knowledge	<input checked="" type="checkbox"/>

Help for this Page ?

The screenshot shows the Salesforce Setup interface with the 'Users' tab selected. On the left, the navigation sidebar lists various setup categories like Permission Set Groups, Permission Sets, Profiles, Public Groups, Queues, Roles, User Management Settings, and Users. Under the 'Users' category, there are sub-options for Feature Settings, Data.com, Service, and Embedded Service.

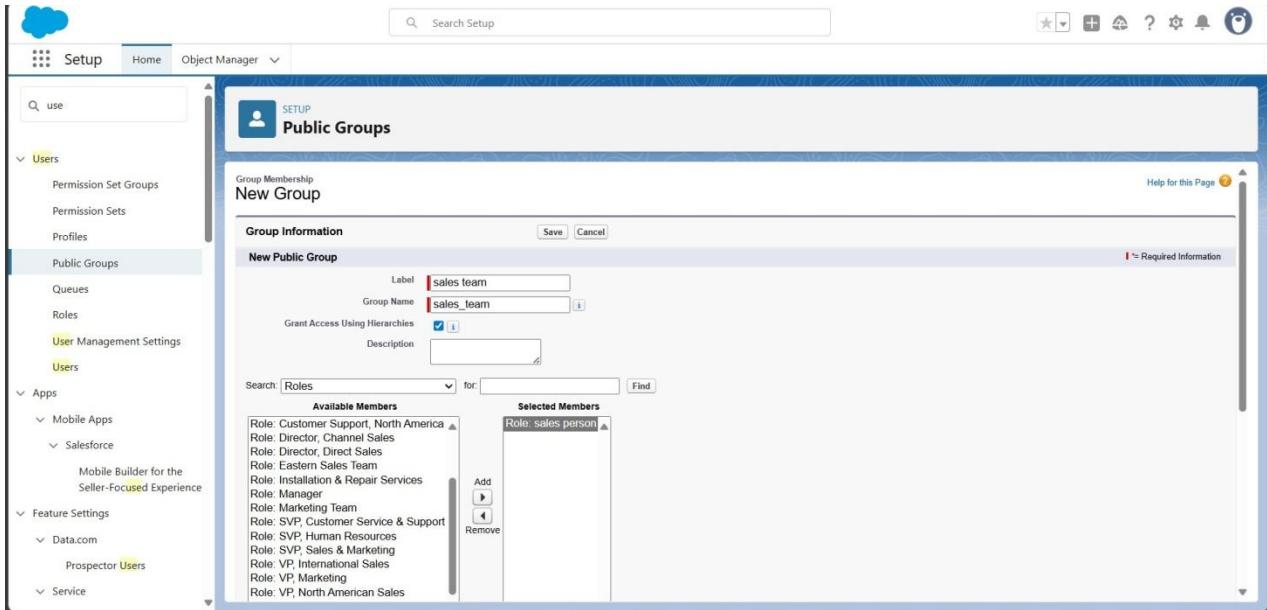
The main content area displays the 'Users' setup page with a 'New User' form. The form is titled 'User Edit' and contains sections for 'General Information' and 'Marketing User'. The 'General Information' section includes fields for First Name (bhavanasri), Last Name (r), Alias (hhs), Email (bhavanasri2626@gmail.com), Username (bhavanasri2626@gmail.com), Nickname (User1757778394380595), Title (Title), Role (<None Specified>), User License (Force.com - App Subscription), Profile (Force.com - App Subscription User), Active (checked), Marketing User (unchecked), Offline User (unchecked), and Knowledge (checked). There are also 'Save', 'Save & New', and 'Cancel' buttons at the top of the form.

This screenshot shows the 'All Users' page in the Salesforce Setup interface. The left sidebar has the same navigation as the previous screen, with the 'Users' category selected.

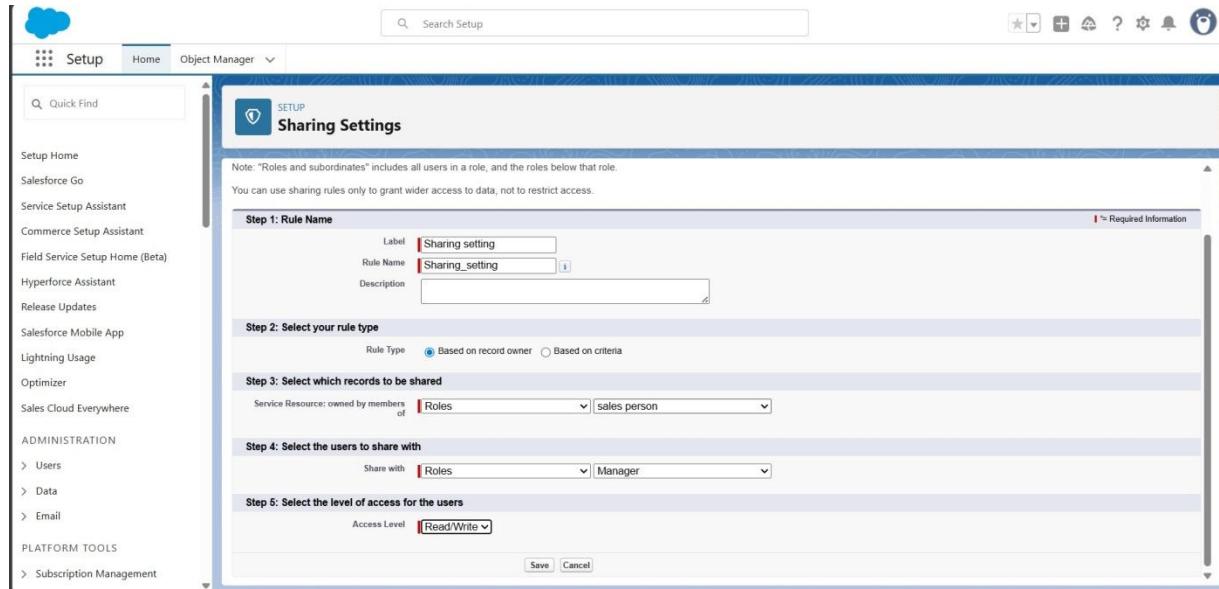
The main content area shows a table of users. At the top of the table, there are buttons for 'New User', 'Reset Password(s)', and 'Add Multiple Users'. The table has columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The data in the table is as follows:

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/>   Edit	Chatter Expert	Chatter	chatty.00dgk00000ad91luad.913knpjbt9y@chatter.salesforce.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Chatter Free User
<input type="checkbox"/>   Edit	EPIC_OrgFarm	QEPIC	epic.7c3c6420de37@orgfarm.salesforce.com	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	System Administrator
<input type="checkbox"/>   Edit	Mikaelson,	mika	bhavanasri2626@gmail.com	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Manager

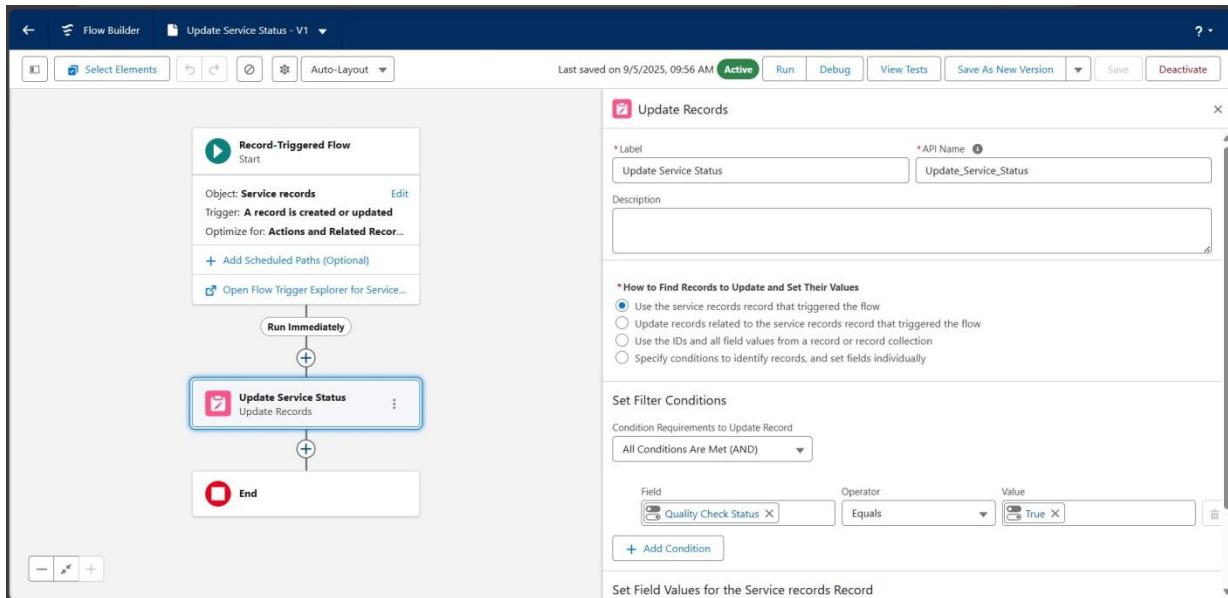
- Created new Public Groups.



- Created the Sharing Setting.



- Created Flow-Billingamountflow.



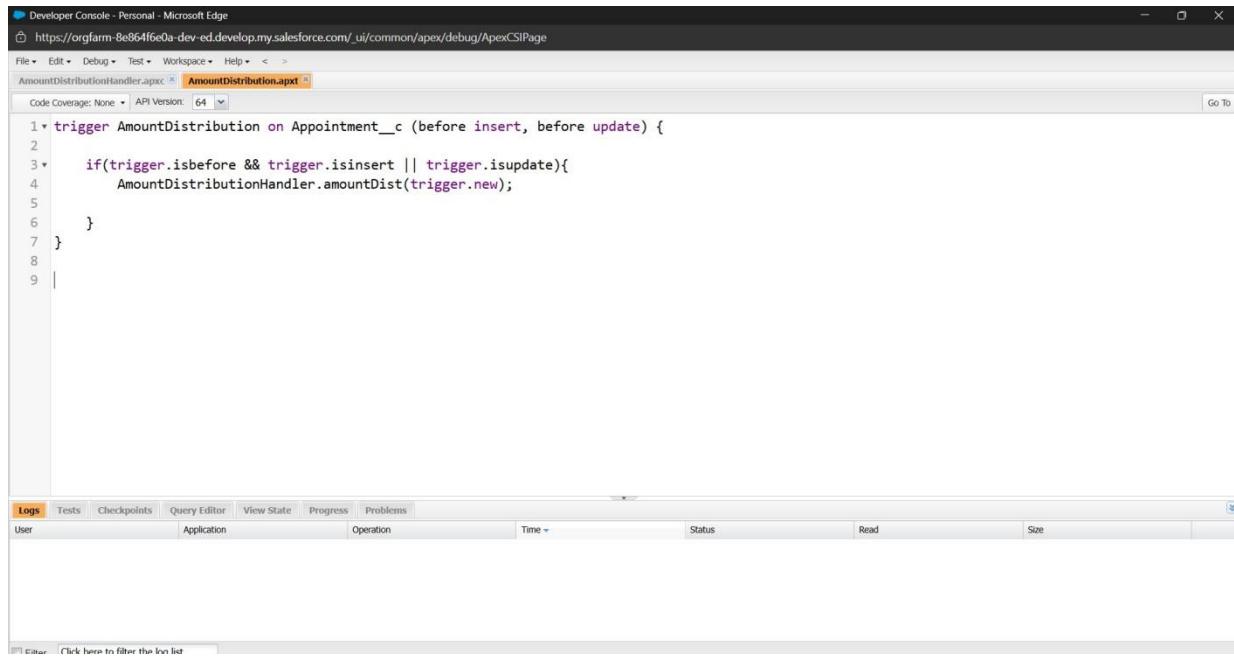
Developed Apex Triggers:  
Created Apex Class called AmountDistributionHandler.

```

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

```

- Created an Apex trigger called AmountDistribution.



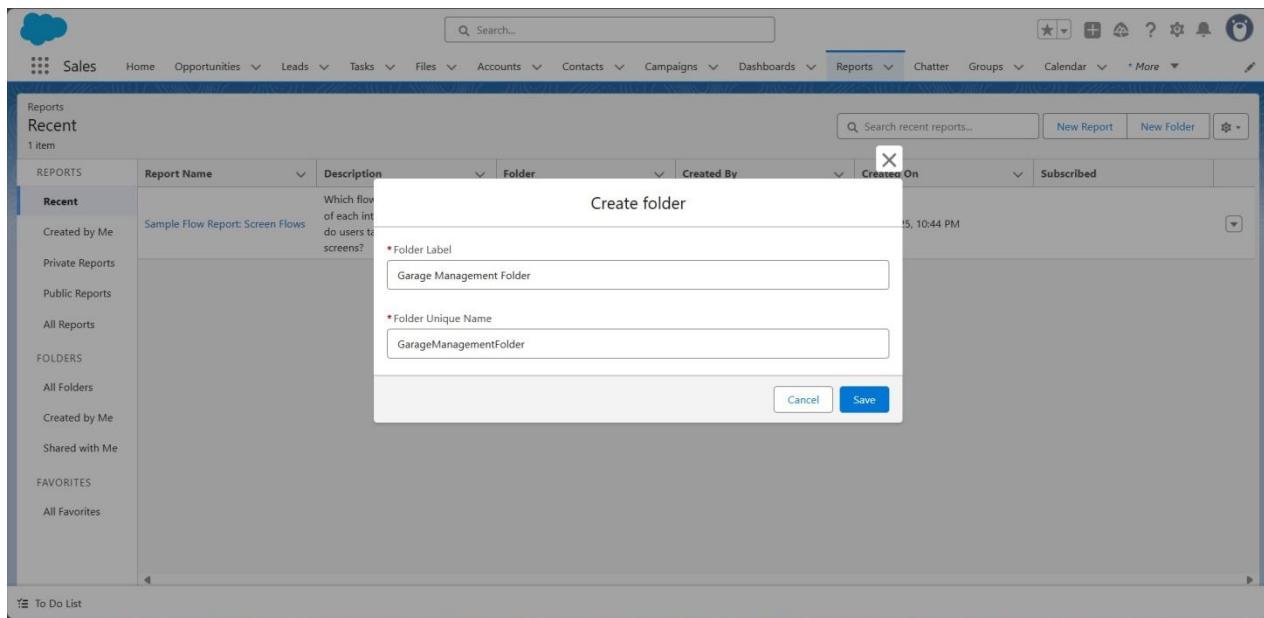
```

trigger AmountDistribution on Appointment_c (before insert, before update) {
    if(trigger.isbefore && trigger.isinsert || trigger.isupdate){
        AmountDistributionHandler.amountDist(trigger.new);
    }
}

```

The screenshot shows the Salesforce Developer Console interface. The top navigation bar includes File, Edit, Debug, Test, Workspace, Help, and a Go To button. The URL in the address bar is https://orgfarm-8e864f6e0a-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage. The tabs at the top show AmountDistributionHandler.apexp and AmountDistribution.apexp. The main area contains the Apex code for the trigger. Below the code editor is a logs panel with tabs for Logs, Tests, Checkpoints, Query Editor, View State, Progress, and Problems. The Logs tab is selected, showing a table with columns for User, Application, Operation, Time, Status, Read, and Size. A message "No logs found" is displayed. At the bottom of the logs panel is a link "Click here to filter the log list".

- Created Report folders, Report type, Report and shared Report folder.



The screenshot shows the Salesforce Reports page. The top navigation bar includes Sales, Home, Opportunities, Leads, Tasks, Files, Accounts, Contacts, Campaigns, Dashboards, Reports, Chatter, Groups, Calendar, and More. The Reports section on the left shows categories like Recent, Created by Me, Private Reports, Public Reports, All Reports, Folders, All Folders, Created by Me, Shared with Me, Favorites, and All Favorites. The main area displays a list of reports and folders. A modal window titled "Create folder" is open, prompting for a "Folder Label" (Garage Management Folder) and a "Folder Unique Name" (GarageManagementFolder). At the bottom of the modal are "Cancel" and "Save" buttons.

- Created Report folders, Report type, Report and shared Report folder.

The screenshot shows the Salesforce Reports section with a list of reports and folders. A modal dialog box titled "Share folder" is open, allowing users to share the folder with specific roles or names, and to define who can access it.

The screenshot shows the "Object Manager" section of the Salesforce Setup. It displays a diagram illustrating relationship types between objects: A (Customer Details) has a many-to-many relationship with B (Appointments), which has a one-to-many relationship with C (Service records). C has a one-to-many relationship with D (Billing details and feedback). The "Primary Object" is A. The "B to C Relationship" is defined as "Each 'B' record must have at least one related 'C' record".

Garage Management System

Customer Details Appointments Service records Billing details and feedback Reports Dashboards

**REPORT** New Service information Report

Service information

Previewing a limited number of records. Run the report to see everything.

Update Preview Automatically

Fields

Groups

- GROUP ROWS
  - Add group...
- Rating for service
- Payment Status

GROUP COLUMNS

- Add group...

Columns

- Add column...
- Customer Details Name
- Appointment Date
- Service Status

Sum of Payment Paid

Rating for service

Rating for service	Payment Status	Customer Details Name	Appointment Date	Service Status	Payment Paid
5 (10)	Completed (10)	pavi	9/17/2025	Completed	\$10.000
		Subaash	9/6/2025	Completed	\$10.000
		sandhiya	9/7/2025	Completed	\$10.000
		vasanthi	9/8/2025	Completed	\$10.000
		moule	9/9/2025	Completed	\$10.000
		meena	9/10/2025	Completed	\$10.000

Row Counts Detail Rows Subtotals Grand Total Conditional Formatting

orgfarm-0ef621e997-dev-ed.develop.lightning.force.com/lightning/setup/CustomReportTypeLightning/070gK000005j2knQAC/view

Verify that it's you

Setup Home Object Manager

report

Feature Settings

- Analytics
- Reports & Dashboards
- Access Policies
- Historical Trending
- Report Types**
- Reporting Snapshots
- Reports and Dashboards
- Settings

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

Details

Display Label: Service informations  
 API Name: Service\_informations  
 Description: Service information  
 Created By: Durga R, 02/09/2025, 11:16 pm  
 Store in Category: other  
 Deployment Status: Deployed  
 Modified By: Durga R, 02/09/2025, 11:17 pm

Object Relationships

Customer Details (A)

- with at least one related record from Appointments (B)
- with at least one related record from Service records (C)
- with at least one related record from Billing details and feedbacks (D)

Fields

Source Object	Included Fields
Customer Details	10
Appointments	14
Service records	10
Billing details and feedbacks	0

- Created Dashboards and Dashboard folders.

The screenshot shows the Salesforce Object Manager interface with the URL <https://orgfarm-6933a2564f-dev-ed.lightning.force.com/lightning/o/Dashboard/home?queryScope=mru>. The main area displays a list of recent dashboards under the 'Recent' tab. One dashboard is listed:

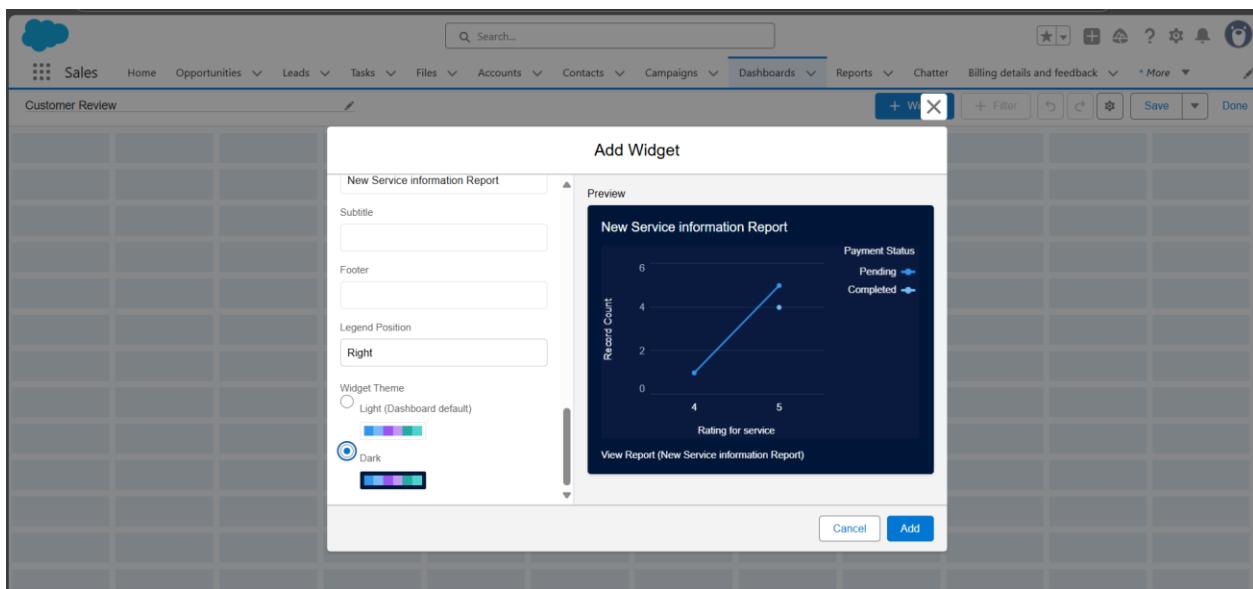
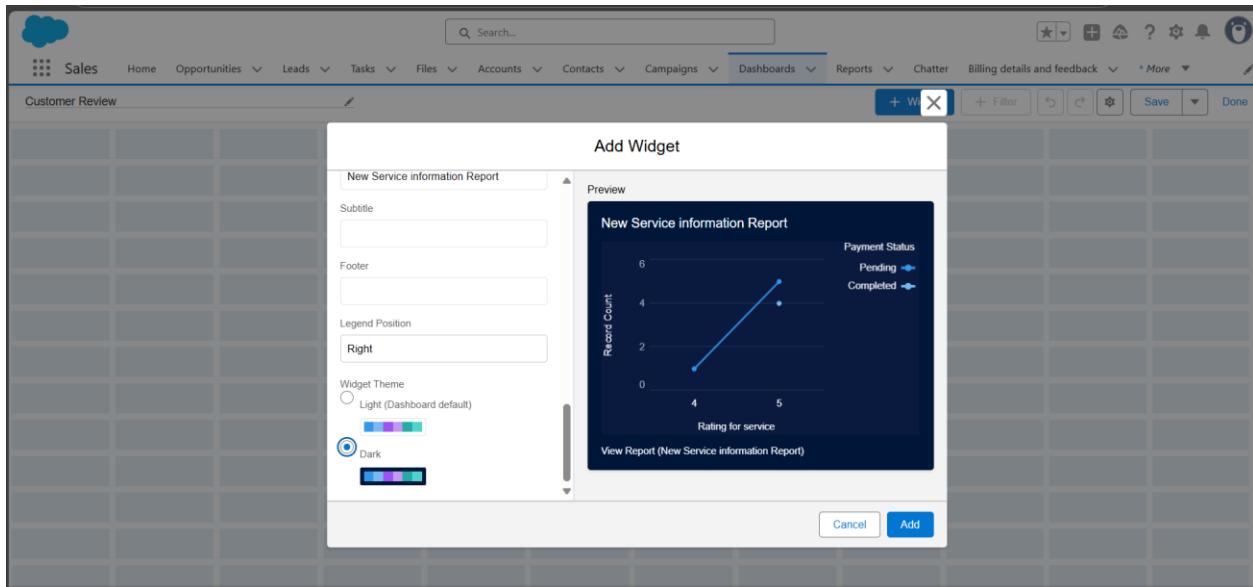
Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Customer review	Service Rating dashboard		Bhavanasri R	9/12/2025, 12:37 AM	

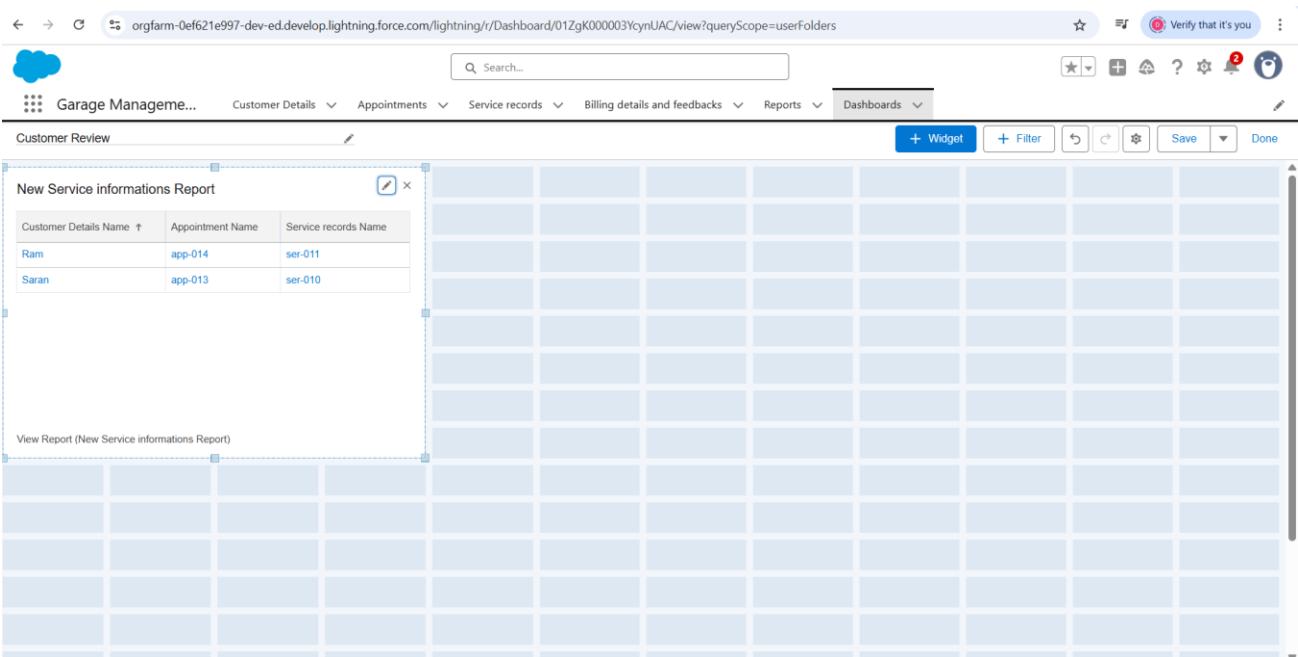
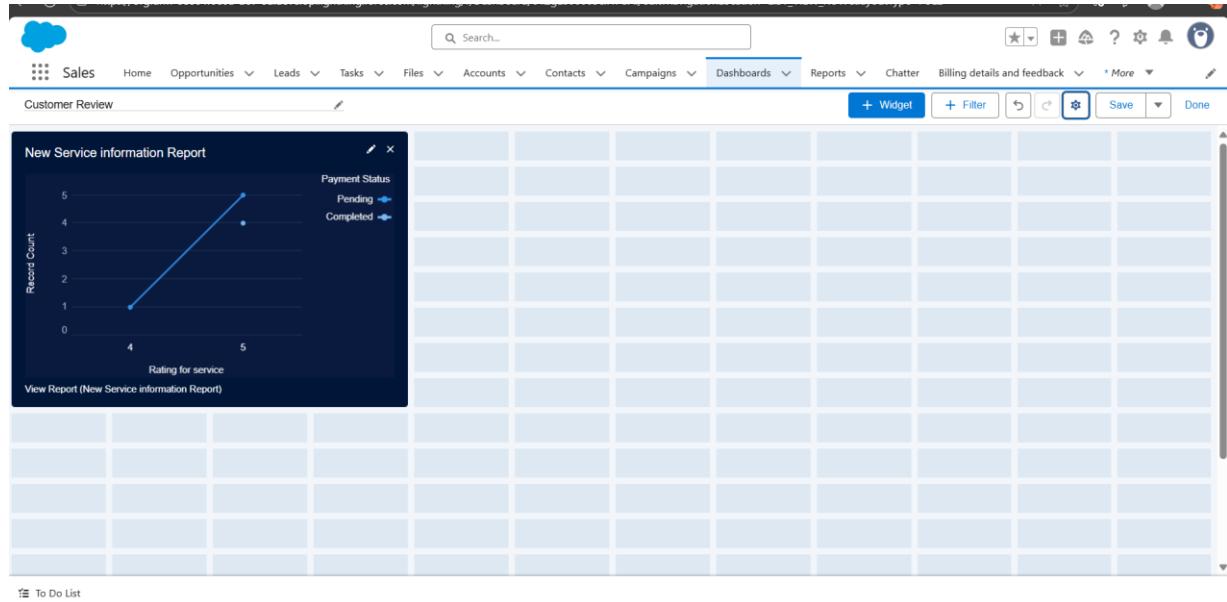
The left sidebar shows navigation options for Dashboards and Folders. The top navigation bar includes links for Customer Details, Appointments, Service records, Dashboards, and More.

The screenshot shows the Salesforce Sales dashboard creation dialog titled "New Dashboard". The form fields are as follows:

- \*Name: Customer Review
- Description: (empty)
- Folder: Service Rating

At the bottom right of the dialog are "Cancel" and "Create" buttons.





### **3. ADVANTAGES & DISADVANTAGES**

#### **Advantages of Garage Management System:**

- **Centralized Data Management** – All customer, vehicle, and service records are restored in one place, improving accessibility and reducing data duplication.
- **Improved Customer Experience** – Automated service reminders, transparent billing, and quick updates enhance customer trust and satisfaction.
- **Operational Efficiency** – Streamlines job scheduling, inventory tracking, and billing, reducing manual effort and errors.
- **Scalability** – Built on Salesforce, the system can easily expand with additional modules or features as the business grows.

**Integration Capabilities** – Seamlessly integrates with CRM, payment systems, and other Salesforce apps for smooth workflows.

- **Analytics & Reporting** – Real-time dashboards and reports help managers track performance, revenue, and customer trends.

#### **Disadvantages of Garage Management System:**

- **Cost of Implementation** – Licensing, customization, and ongoing Salesforce subscription costs may be high for small garages.
- **Learning Curve** – Staff may require retraining to adapt to Salesforce's interface and features.
- **Customization Dependency** – Advanced requirements often need Salesforce developers/consultants, increasing dependency.
- **Internet Reliance** – Being a cloud-based system, uninterrupted internet is essential for smooth operations.
- **Overhead for Small Businesses** – Smaller repair shops may find the system more

complex than needed for basic operations.

---

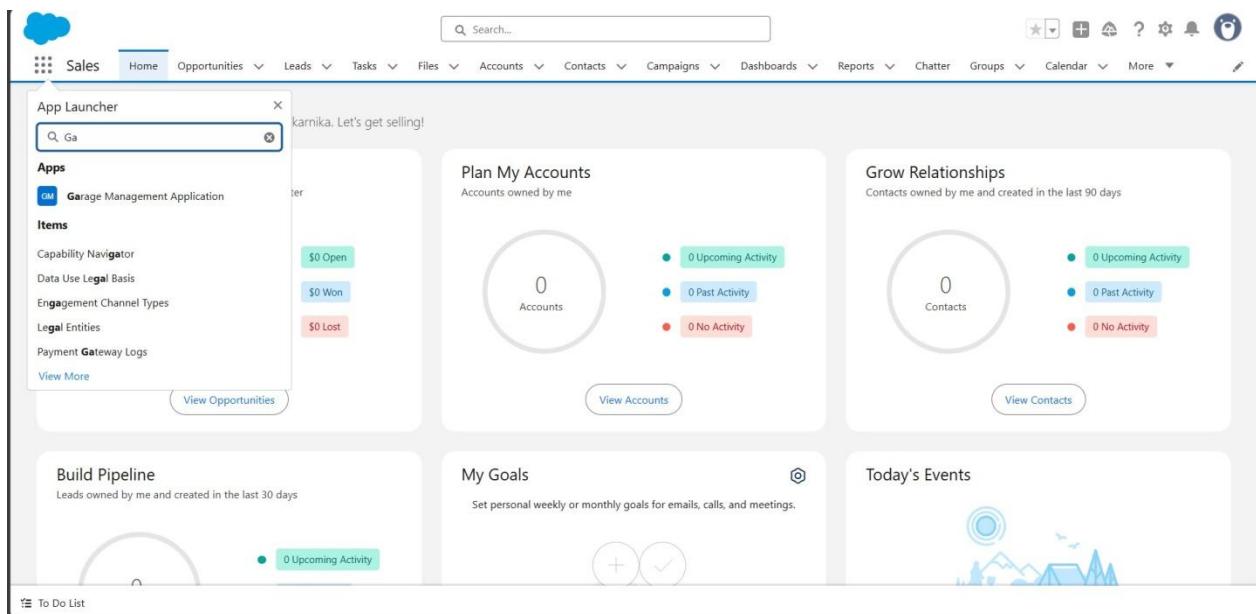
## 4. CONCLUSION

The Garage Management System streamlines operations, enhances customer satisfaction, and supports business growth, making it a reliable solution for modern automotive repair facilities.

---

## 5. RESULTS

### Output Screenshots



Edit bhavanasri | Salesforce

Object Manager | Salesforce

orgfarm-6933a2564f-dev-ed.develop.lightning.force.com/lightning/r/Customer\_Details\_\_c/a00gK00000J03hnQAD/edit...

Garage Management

Customer Details

Recently Viewed

1 item • Updated a few seconds ago

Customer Details Name: bhavanasri

Phone number: 7845975064

Gmail: bhavanasri2626@gmail.com

Owner: Bhavanasri R

\* = Required Information

Created By: Bhavanasri R, 9/12/2025, 12:39

Last Modified By: Bhavanasri R, 9/12/2025, 12:39 AM

Cancel Save & New Save

Garage Management

Customer Details Appointments Service records Billing details and feedbacks Reports Dashboards

Customer Details Name: Saran

Phone number: 4576154475

Gmail: Saran@gmail.com

Owner: Durga R

New Customer Detail

Information

\* = Required Information

Cancel Save & New Save

Verify that it's you

Customer Details

Recently Viewed

3 items • Updated a few seconds ago

Customer Details Name: Selvi

Customer Details Name: Raj

Customer Details Name: Ram

Import Change Owner Assign Label

New Customer Detail

Information

\* = Required Information

Saran

4576154475

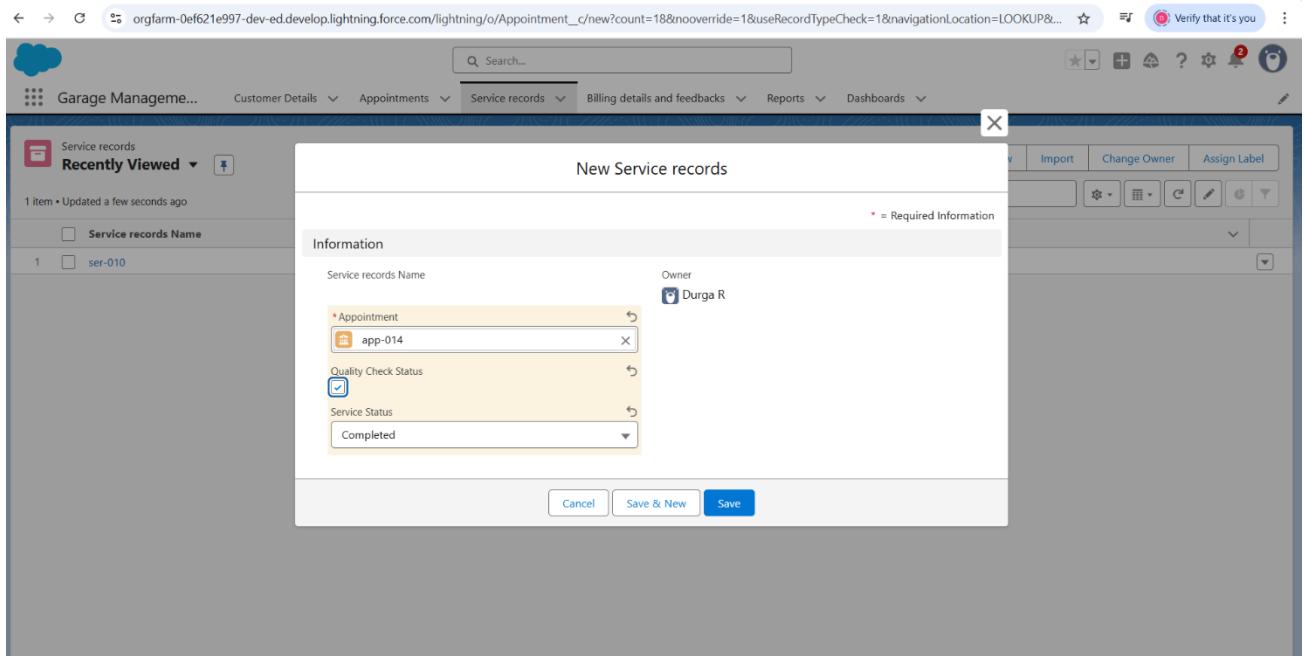
Saran@gmail.com

Durga R

Cancel Save & New Save

Garage Management

Customer Details Appointments Service records Billing details and feedbacks Reports Dashboards



## 6. APPENDIX

- SourceCode:ProvidedinApexClassesandTriggers

### To create apex class(AmountDistributionHandler)

```
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;  
  
            }  
  
            elseif(app.Maintenance_Service__c == true && app.Repairs__c == true){  
  
                app.Service_Amount__c = 5000;  
  
            }  
  
            else if(app.Maintenance_Service__c == true && app.Replacement_Parts__c == true){  
  
                app.Service_Amount__c = 8000;  
  
            }  
        }  
    }  
}
```

```
elseif(app.Repairs_c==true&&app.Replacement_Parts_c==  
true){  
  
    app.Service_Amount_c=7000;  
  
}  
  
else if(app.Maintenance_service  
_____c==true){app.Servi  
ce_Amount_____c = 2000;  
  
}  
  
else if(app.Repairs_c ==  
true){app.Service_Amount  
_____c=3000;  
  
}  
  
else if(app.Replacement_Parts  
_____c==true){app.Ser  
vice_Amount_____c = 5000;  
  
}  
  
}  
  
}
```

}

### **AmountDistribution-ApexTrigger:**

```
trigger AmountDistribution on Appointment__c (before insert, before  
update) {  
  
    if(trigger.isbefore&&trigger.isinsert||trigger.isupdate){  
  
        AmountDistributionHandler.amountDist(trigger.new);  
  
    }  
  
}
```

---