

PROJECT TITLE :

GARAGE MANAGEMENT SYSTEM

College Name : Sri Vasavi College,
Erode-638316

College Code : bru17

TEAM ID : NM2025TMID23267

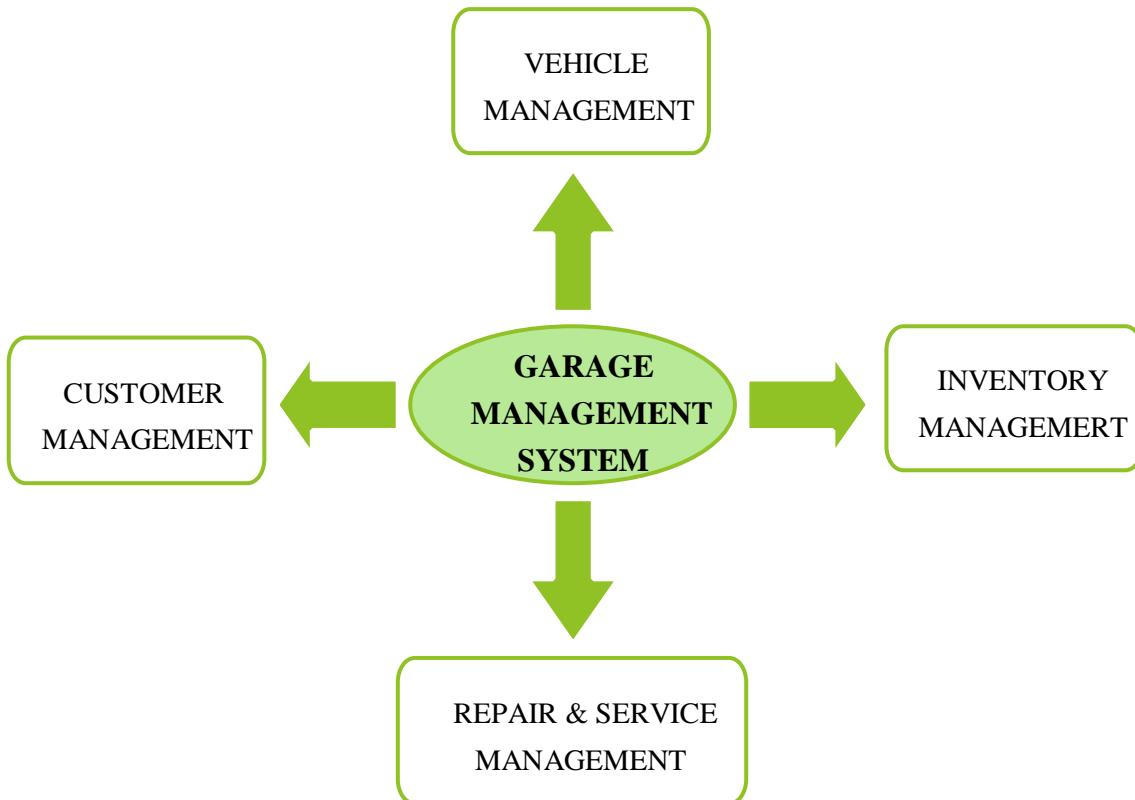
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INTRODUCTION

Project Overview:

The Garage Management System (GMS) helps garages manage customer details, vehicles, and services in one place. It reduces manual work by tracking repairs, spare parts, and billing digitally. This system improves efficiency, accuracy, and customer satisfaction.



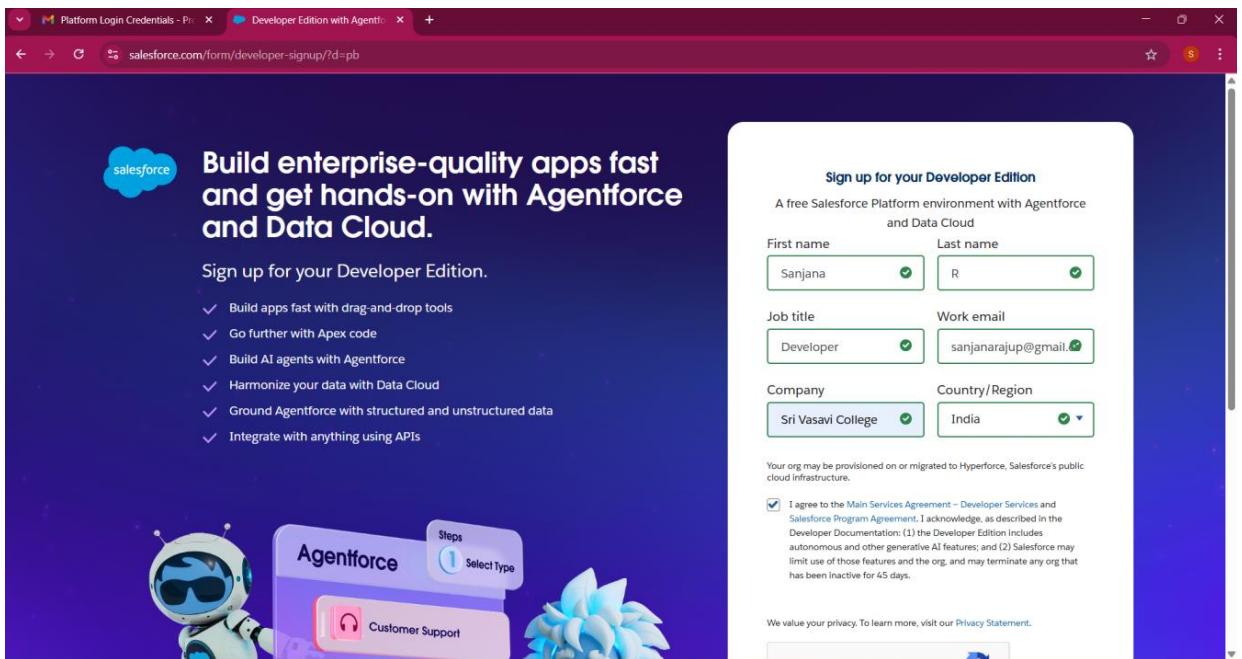
1.2 Purpose

The Garage Management System streamlines operations by digitally managing customer, vehicle, and service details. It reduces manual work, improving efficiency, accuracy, and customer satisfaction.

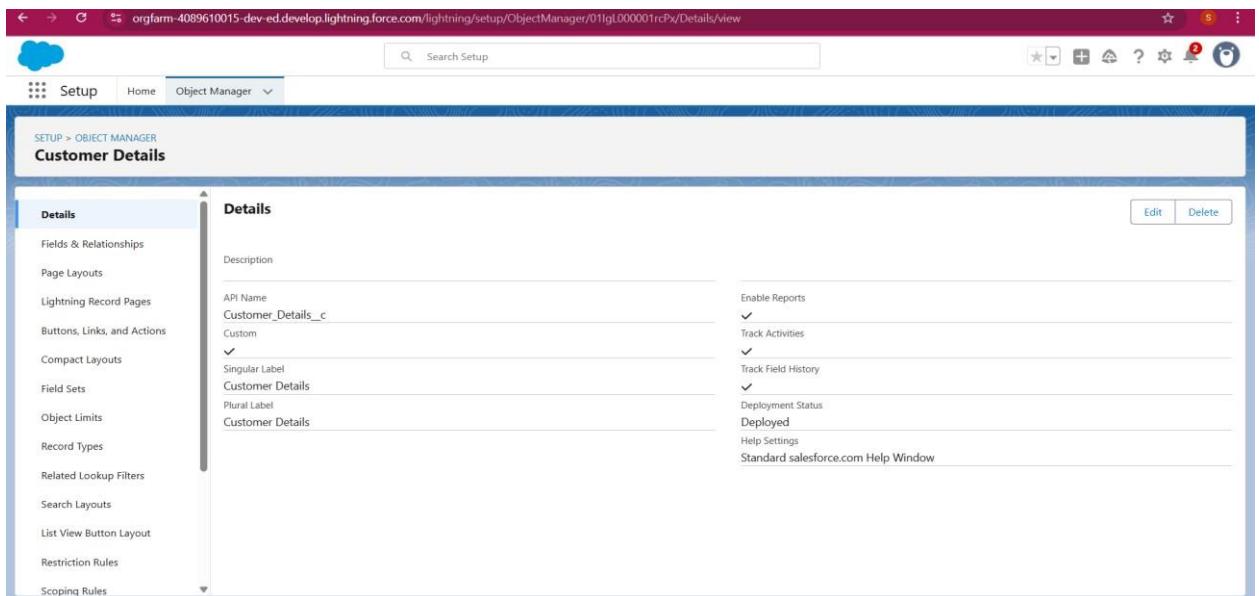
DEVELOPMENT PHASE

Creating Developer Account:

- By using this URL : - <https://developer.salesforce.com/signup>



- Create objects: Customer Details, Appointment, Service records, Billing details and feedback.



Click to go back, hold to see history

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Appointment

Details

Description

API Name: Appointment_c
Custom: ✓
Singular Label: Appointment
Plural Label: Appointments

Details

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

Edit Delete

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

Click to go back, hold to see history

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER
Service records

Details

Description

API Name: Service_records_c
Custom: ✓
Singular Label: Service records
Plural Label: Service records

Details

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

Edit Delete

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

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

- Created Tabs : Customer Details, Appointment ,Service records, Billing details and feedback.

Action	Label	Tab Style	Description
Edit Del	Appointments	Airplane	
Edit Del	Billing details and feedback	Alarm clock	
Edit Del	Customer Details	Apple	
Edit Del	Service records	Balls	

- Developed Lightning App with relevant tabs

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: #0A2C4B

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

App Launcher Preview

GM Garage Management Appli...

App Settings

App Details & Branding

App Options

Utility Items (Desktop Only)

Navigation Items

Available Items

- Accounts
- Activation Targets
- Activations
- All Sites
- Alternative Payment Methods
- Analytics
- App Launcher
- Appointment Categories
- Appointment Invitations
- Approval Requests

Selected Items

- Customer Details
- Appointments
- Service records
- Billing details and feedback
- Reports
- Dashboards

The screenshot shows the 'User Profiles' section of the App Settings in the Lightning App Builder. On the left, a sidebar lists 'App Details & Branding', 'App Options', 'Utility Items (Desktop Only)', and 'Navigation Items'. The 'User Profiles' section is selected and highlighted in blue. The main area is titled 'User Profiles' and contains a sub-section 'Available Profiles' with a list of profiles: Analytics Cloud Integration User, Analytics Cloud Security User, Anypoint Integration, Authenticated Website, B2B Reordering Portal Buyer Profile, Contract Manager, Custom: Marketing Profile, Custom: Sales Profile, Custom: Support Profile, and Customer Community Login User. To the right, a 'Selected Profiles' panel lists three profiles: System Administrator, Manager, and sales person. Navigation arrows between the two panels allow for selection.

- Configured Fields and Relationships

The screenshot shows the 'Customer Details' object in the Object Manager's 'Fields & Relationships' section. The left sidebar includes options like '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 main area displays a table of fields:

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		▼

orgfarm-4089610015-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL000001rdQr/FieldsAndRelationships/view

Appointment

SETUP > OBJECT MANAGER

Fields & Relationships
11 Items, Sorted by Field Label

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(19, 0)		

orgfarm-4089610015-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL000001rdDl/FieldsAndRelationships/view

Service records

SETUP > OBJECT MANAGER

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	Replacement_Parts__c	Checkbox		
service_date	service_date__c	Formula (Date)		
Service records Name	Name	Auto Number		✓
Service Status	Service_Status__c	Picklist		

The screenshot shows the Salesforce Object Manager interface. The left sidebar lists various setup categories like Page Layouts, Lightning Record Pages, and Fields & Relationships. The main content area is titled 'Fields & Relationships' for the 'Billing details and feedback' object. It displays a table with columns: FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The table contains the following data:

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)		✓

- Created a validation rule to an Appointment Object and Billing details and feedback Object

The screenshot shows the Salesforce Object Manager interface. The left sidebar lists various setup categories. The main content area is titled 'Appointment Validation Rule' for the 'Appointment' object. It displays a table with columns: Rule Name, Error Condition Formula, Error Message, Description, Active, Error Location, Modified By, and Help for this Page. The table contains the following data:

Rule Name	Vehicle	Active	Error Location	Modified By	Help for this Page
Vehicle	REGEX(Vehicle_number_plate__c , "[A-Z]{2}[0-9]{2}[A-Z]{2}[0-9]{4}")	✓	Vehicle number plate	Sanjana.R, 8/31/2025, 5:49 AM	Help for this Page
Error Message	Please enter valid number				
Description					
Created By	Sanjana.R				

The screenshot shows the Salesforce Setup interface with the URL <https://orgfarm-4089610015-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgL000001rdgz/ValidationRules/03dgL0000000gPQAS/view>. The page title is "Billing details and feedback". On the left, there is a sidebar with various setup categories 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, and Scoping Rules. The main content area displays a "Validation Rule Detail" for "Billing details and feedback Validation Rule". The rule has the following details:

Field	Value
Rule Name	rating_should_be_less_than_5
Error Condition Formula	NOT(REGEX(Rating_for_service__c , "[1-5](1)"))
Error Message	rating should be from 1 to 5
Description	
Created By	Sanjana.R. 8/31/2025, 5:56 AM
Active	✓
Error Location	Rating for service
Modified By	Sanjana.R. 8/31/2025, 5:56 AM

- Created a matching rule to an Customer details Object

The screenshot shows the Salesforce Setup interface with the URL <https://orgfarm-4089610015-dev-ed.lightning.force.com/lightning/setup/MatchingRules/page?address=%2F0JDgL000003c0Zx>. The page title is "Matching Rules". On the left, there is a sidebar with Data, Duplicate Management, and Matching Rules selected. The main content area displays a "Matching Rule Detail" for "Matching customer details". The rule has the following details:

Field	Value
Object	Customer Details
Rule Name	Matching customer details
Unique Name	Matching_customer_details
Description	
Matching Criteria	(Customer_Details: Gmail EXACT MatchBlank = FALSE) AND (Customer_Details: Phone_number EXACT MatchBlank = FALSE)
Status	Active
Created By	Sanjana.R. 8/31/2025, 5:58 AM
Modified By	Sanjana.R. 8/31/2025, 5:58 AM

- Created a Duplicate rule to an Customer details Object

The screenshot shows the 'Duplicate Rules' page in the Salesforce Setup. A single rule is listed:

- Rule Name:** Customer Detail duplicate
- Description:** Customer Details
- Object:** Customer Details
- Record Level Security:** Enforce sharing rules
- Action On Create:** Allow
- Action On Edit:** Allow
- Alert Text:** Use one of these records?
- Active:** ✓
- Matching Rule:** Matching customer details (Mapped)
- Conditions:** Created By Sanjana_R, 8/31/2025, 6:02 AM
- Matching Criteria:** (Customer Details: Email EXACT MatchBlank = FALSE) AND (Customer Details: Phone_number EXACT MatchBlank = FALSE)
- Operations On Create:** ✓ Alert ✓ Report
- Operations On Edit:** □ Alert Report
- Created By:** Sanjana_R, 8/31/2025, 6:02 AM
- Modified By:** Sanjana_R, 8/31/2025, 6:02 AM

- Created Profiles
Manager Profile

The screenshot shows the 'Profiles' page in the Salesforce Setup. A single profile is listed:

- Name:** Manager
- User License:** Salesforce
- Description:**
- Created By:** Sanjana_R, 8/31/2025, 6:03 AM
- Custom Profile:** ✓
- Modified By:** Sanjana_R, 8/31/2025, 6:11 AM

Page Layouts

Standard Object Layouts	Global	Location Group
Email Application	Global Layout [View Assignment]	Location Group Layout [View Assignment]
Home Page Layout	Not Assigned [View Assignment]	Location Group Assignment Layout [View Assignment]
Account	Home Page Default [View Assignment]	Macro Layout [Macro]
Alternative Payment Method	Account Layout [View Assignment]	Object Milestone Layout [View Assignment]
	Alternative Payment Method Layout [View Assignment]	Operating Hours Layout [View Assignment]
	Assignment Invitations [View Assignment]	Opportunity Layout [View Assignment]
	Assignment Invitations Layout [View Assignment]	

Custom Object Permissions

	Basic Access				Data Administration			Basic Access				Data Administration		
	Read	Create	Edit	Delete	View All Records	Modify All Records	View All Fields	Read	Create	Edit	Delete	View All Records	Modify All Records	View All Fields
Appointments	✓	□	✓	✓	✓	✓	✓	Customer Details	✓	□	✓	✓	✓	✓
Billing details and feedback	✓	□	✓	✓	✓	✓	✓	Service records	✓	□	✓	✓	✓	✓

Session Settings
Session Times Out After: 8 hours of inactivity
Session Security Level Required at Login: Login

Password Policies

User passwords expire in	Never expires
Enforce password history	3 passwords remembered
Minimum password length	8
Password complexity requirement	Must include alpha and numeric characters
Password question requirement	Cannot contain password
Maximum invalid login attempts	10
Lockout effective period	15 minutes
Obfuscate secret answer for password resets	□
Require a minimum 1 day password lifetime	□
Don't immediately expire links in forgot password emails	□

Actions: Edit, Clone, Delete, View Users

- Sales Person Profile

Profile Detail

Name	sales person	Custom Profile	✓
User License	Salesforce Platform		
Description			
Created By	Sanjana R. 8/31/2025, 6:12 AM	Modified By	Sanjana R. 8/31/2025, 6:14 AM

Page Layouts

Standard Object Layouts	Global	Lead
Email Application	Global Layout [View Assignment]	Lead Layout [View Assignment]
Home Page Layout	Not Assigned [View Assignment]	Location Layout [View Assignment]
Account	Home Page Default [View Assignment]	Location Group Layout [View Assignment]
Alternative Payment Method	Account Layout [View Assignment]	Location Group Assignment Layout [View Assignment]
Appointment Invitation	Alternative Payment Method Layout [View Assignment]	Object Milestone Object Milestone Layout [View Assignment]

Access Links:

- Login IP Ranges [0]
- Enabled Apex Class Access [0]
- Enabled Visualforce Page Access [0]
- Enabled External Data Source Access [0]
- Enabled Named Credential Access [0]
- Enabled External Credential Principal Access [0]
- Enabled Custom Metadata Type Access [0]
- Enabled Custom Setting Definitions Access [0]
- Enabled Flow Access [0]
- Enabled Service Presence Status Access [0]
- Enabled Custom Permissions [0]

Help for this Page

orgfarm-4089610015-dev-ed.develop.lightning.force.com/lightning/setup/EnhancedProfiles/page?address=%2F00e0gL000004HH8b

SETUP Profiles

Custom Object Permissions

	Basic Access					Data Administration								
	Read	Create	Edit	Delete	View All Records	Modify All Records	View All Fields	Read	Create	Edit		Delete	View All Records	Modify All Records
Appointments	✓	<input type="checkbox"/>												
Billing details and feedback	✓	<input type="checkbox"/>												
Customer Details	✓	<input type="checkbox"/>												
Service records	✓	✓	<input type="checkbox"/>											

Session Settings

Session Times Out After: 2 hours of inactivity

Session Security Level Required at Login

Password Policies

- User passwords expire in: 90 days
- Enforce password history: 3 passwords remembered
- Minimum password length: 8
- Password complexity requirement: Must include alpha and numeric characters
- Password question requirement: Cannot contain password
- Maximum invalid login attempts: 10
- Lockout effective period: 15 minutes
- Obfuscate secret answer for password resets:
- Require a minimum 1 day password lifetime:
- Don't immediately expire links in forgot password emails:

Actions: Edit, Clone, Delete, View Users

- Created a manager role

orgfarm-4089610015-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home

SETUP Roles

Understanding Roles

Set up your Role Hierarchy to control how your organization reports on and accesses data.

Sample Role Hierarchy

View other sample Role Hierarchies: **Territory-based Sample**

Actions: Set Up Roles, Don't show this page again

orgfarm-4089610015-dev-ed.lightning.force.com/lightning/setup/Roles/home

Creating the Role Hierarchy

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

- Sri Vasavi College**
 - CEO** Edit | Del | Assign
 - CFO** Edit | Del | Assign
 - COO** Edit | Del | Assign
 - Manager** Edit | Del | Assign
 - sales_person** Edit | Del | Assign
 - SVP_Customer_Service_&_Support** Edit | Del | Assign
 - Customer_Support_International** Edit | Del | Assign
 - Customer_Support_North_America** Edit | Del | Assign
 - Installation & Repair Services** Edit | Del | Assign

Help for this Page

Show in tree view

orgfarm-4089610015-dev-ed.lightning.force.com/lightning/setup/Roles/page?address=%2F00EgL000003xZ3%3fsetupid%3DRoles

Role Manager

Below is the list of users assigned to this role. Click **Edit** to modify the role name. Click **Assign Users to Role** to assign existing users to this role. Click **New User** to create a user for this role.

Hierarchy: Sri Vasavi College > CEO > Manager
Siblings: SVP_Sales_&_Marketing, SVP_Customer_Service_&_Support, CFO, SVP_Human_Resources, COO

Users in Manager Role

Role Detail

Label	Manager	Role Name	Manager
This role reports to	CEO	Role Name as displayed on reports	
Modified By	Sanjana.R 8/31/2025, 6:16 AM	Sharing Groups	Role, Role and Internal Subordinates
Opportunity Access	Users in this role can edit all opportunities associated with accounts that they own, regardless of who owns the opportunities		
Case Access	Users in this role can edit all cases associated with accounts that they own, regardless of who owns the cases		

Users in Manager Role

Action	Full Name	Alias	Username	Active
Edit	Niklaus Mikaelson	nmika	niklaus@niklaus.niklaus	

Users In Manager Role Help

- Sales person role

The screenshot shows the Salesforce Setup Roles page. The role 'sales person' is selected. Below it, a table lists three users assigned to this role: user2_user, user1 User, and user3_user. Each user has their full name, alias, and active status checked.

Action	Full Name	Alias	Username	Active
Edit	user2_user	user	user@user123.user	<input checked="" type="checkbox"/>
Edit	User1 User	user	usersanjana1@gmail.com	<input checked="" type="checkbox"/>
Edit	user3_user	user	user3sanjana@gmail.com	<input checked="" type="checkbox"/>

- Created Users:

The screenshot shows the Salesforce Setup Users page. A user named 'Niklaus Mikaelson' is selected. The 'User Detail' section displays various user information and settings, such as name, email, and roles. The 'Roles' section on the right lists several roles assigned to this user, including Manager, Marketing User, Offline User, Knowledge User, Flow User, Service Cloud User, Site.com Contributor User, Site.com Publisher User, WDC User, Mobile Push Registrations, Data.com User Type, Accessibility Mode (Classic Only), Debug Mode, and High-Contrast Palette on Charts.

orgfarm-4089610015-dev-ed.develop.lightning.force.com/lightning/setup/ManageUsers/page?address=%2F005gJ000006zADV%3Fnoredirect%3D1%26isUserEntityOverride%3D1

User Detail

User
User1 User

Name: User1 User
Alias: user
Email: sananarajup@gmail.com [Verified]
Username: usersanjan1@gmail.com
Nickname: User17566523760598005333
Title:
Company:
Department:
Division:
Address:
Time Zone: (GMT-07:00) Pacific Daylight Time (America/Los_Angeles)
Locale: English (United States)
Language: English
Delegated Approver:
Manager:
Receive Approval Request Emails: Only if I am an approver
Federation ID:

Role: sales person
User License: Salesforce Platform
Profile: sales person
Active:
Marketing User:
Offline User:
Knowledge User:
Flow User:
Service Cloud User:
Site.com Contributor User:
Site.com Publisher User:
WDC User:
Mobile Push Registrations: View
Data.com User Type:
Accessibility Mode (Classic Only):
Debug Mode:
High-Contrast Palette on Charts:

orgfarm-4089610015-dev-ed.develop.lightning.force.com/lightning/setup/ManageUsers/page?address=%2F005gJ000006zADV%3Fnoredirect%3D1%26isUserEntityOverride%3D1

User Detail

User
user2 user

Name: user2 user
Alias: user
Email: sananarajup@gmail.com [Verified]
Username: user@user123.user
Nickname: User1756647025657570833
Title:
Company:
Department:
Division:
Address:
Time Zone: (GMT-07:00) Pacific Daylight Time (America/Los_Angeles)
Locale: English (United States)
Language: English
Delegated Approver:
Manager:
Receive Approval Request Emails: Only if I am an approver
Federation ID:

Role: sales person
User License: Salesforce Platform
Profile: sales person
Active:
Marketing User:
Offline User:
Knowledge User:
Flow User:
Service Cloud User:
Site.com Contributor User:
Site.com Publisher User:
WDC User:
Mobile Push Registrations: View
Data.com User Type:
Accessibility Mode (Classic Only):
Debug Mode:
High-Contrast Palette on Charts:

The screenshot shows the Salesforce Setup interface with the 'Users' tab selected. On the left sidebar, 'Users' is also highlighted. The main content area displays the 'User Detail' page for a user named 'user3 user'. The user's details include:

- Name: user3 user
- Alias: user
- Email: user3sanjana@gmail.com [Verify]
- Username: user3sanjana@gmail.com
- Nickname: User17566533149205242004
- Title: (empty)
- Company: (empty)
- Department: (empty)
- Division: (empty)
- Address: (empty)
- Time Zone: (GMT-07:00) Pacific Daylight Time (America/Los_Angeles)
- Locale: English (United States)
- Language: English
- Delegated Approver: (empty)
- Manager: (empty)
- Receive Approval Request Emails: Only if I am an approver

On the right side, there are sections for Roles, User License, Marketing User, Offline User, Knowledge User, Flow User, Service Cloud User, Site.com Contributor User, Site.com Publisher User, WDC User, Mobile Push Registrations, Data.com User Type, Accessibility Mode (Classic Only), Debug Mode, and High-Contrast Palette on Charts.

• Creating New Public Group

The screenshot shows the Salesforce Setup interface with the 'Public Groups' tab selected. On the left sidebar, 'Public Groups' is also highlighted. The main content area displays the 'Group' page for a group named 'sales team'. The group's details include:

- Label: sales team
- Group Name: sales_team
- Grant Access Using Hierarchies: checked
- Description: (empty)
- Created By: Sanjana_B 8/31/2025, 8:16 AM
- Modified By: Sanjana_B 8/31/2025, 8:16 AM

Below the group details, there is a section titled 'View All Users' with a table showing one user entry:

Name	Type
sales person	Role

- Creating Sharing settings:

Sharing Settings

Object	Sharing Rule Type	Access Level	Setting
Appointment	Public Read/Write	Private	✓
Billing details and feedback	Public Read/Write	Private	✓
Customer Details	Public Read/Write	Private	✓
Service records	Private	Private	✓

Other Settings

- Manager Groups:
- Secure guest user record access:
- Require permission to view record names in lookup fields:

Sharing Rules

- Lead Sharing Rules**: New, Recalculate
- No sharing rules specified.
- Account Sharing Rules**: New, Recalculate
- No sharing rules specified.
- Opportunity Sharing Rules**: New, Recalculate
- No sharing rules specified.

Sales person

Role
sales person

Below is the list of users assigned to this role. Click Edit to modify the role name. Click Assign Users to Role to assign existing users to this role. Click New User to create a user for this role.

Hierarchy: Sri Vasavi College > CEO > Manager > sales person

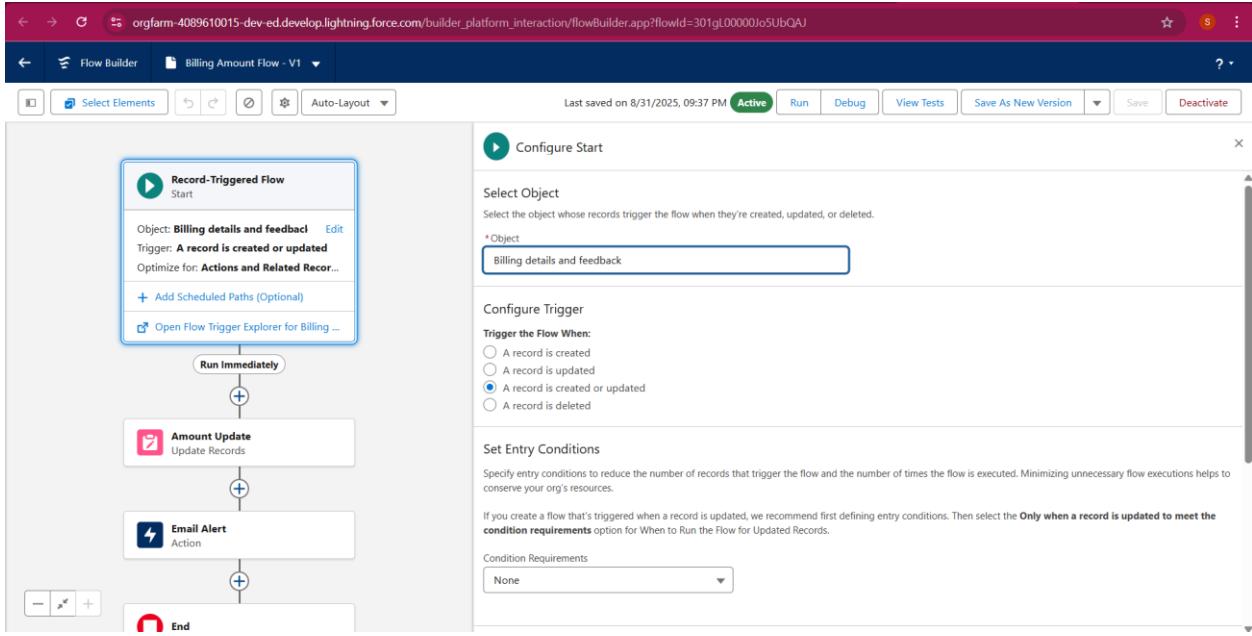
Role Detail

Label	sales person	Role Name	sales_person
This role reports to	Manager	Role Name as displayed on reports	
Modified By	Sanjana.R, 8/31/2025, 6:18 AM	Sharing Groups	Role, Role and Internal Subordinates
Opportunity Access	Users in this role can edit all opportunities associated with accounts that they own, regardless of who owns the opportunities		
Case Access	Users in this role can edit all cases associated with accounts that they own, regardless of who owns the cases		

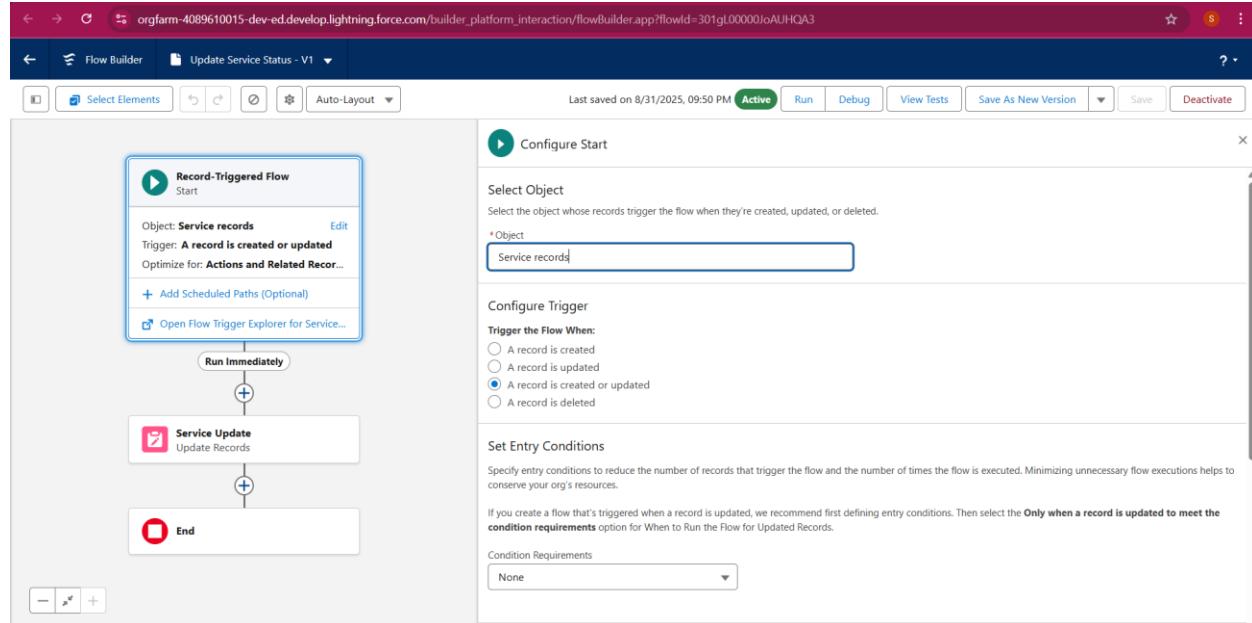
Users in sales person Role

Action	Full Name	Alias	Username	Active
Edit	user1 user	user	user@user123.user	✓
Edit	User1 User	user	usersanjana1@gmail.com	✓
Edit	user2 user	user	user3sanjana@gmail.com	✓

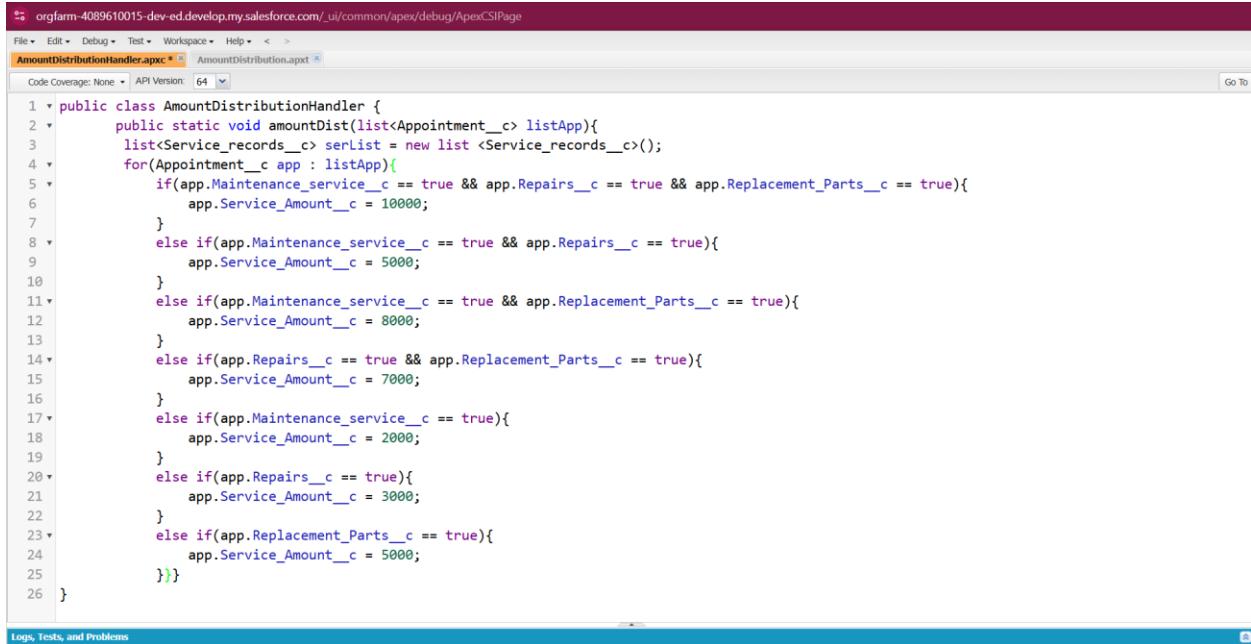
● Flows:



Another flow



- Apex handler:



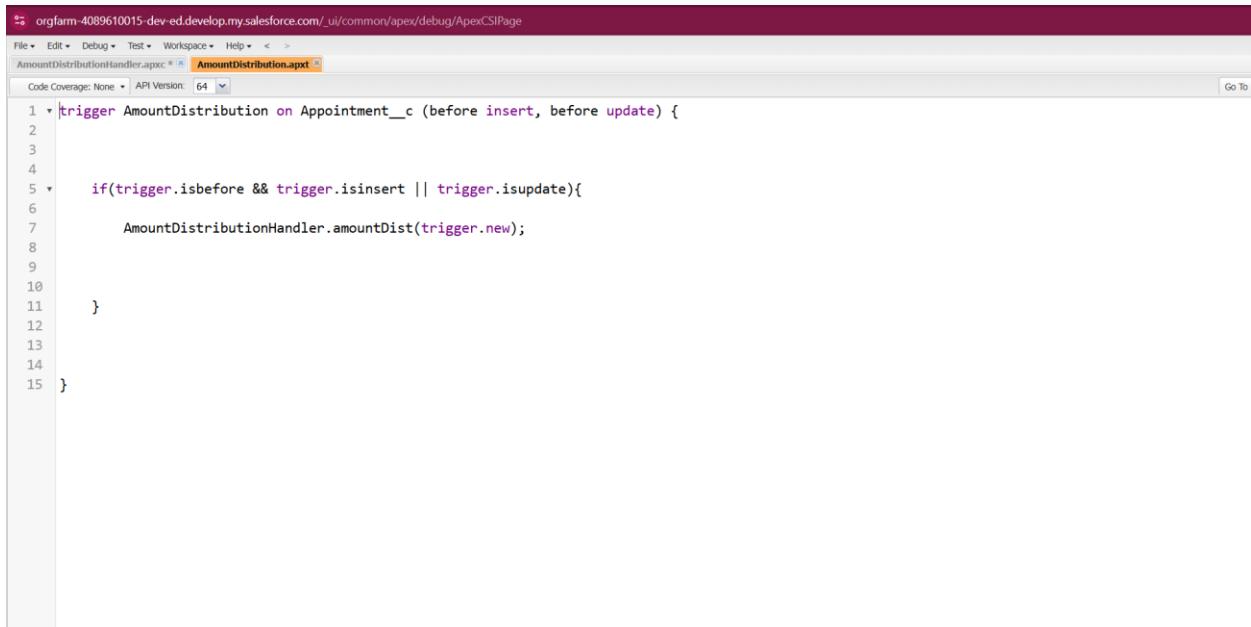
The screenshot shows the Salesforce IDE interface with the following details:

- Title Bar:** orgfarm-4089610015-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSPage
- Menus:** File, Edit, Debug, Test, Workspace, Help.
- Code Coverage:** None
- API Version:** 64
- Code:**

```

1 public class AmountDistributionHandler {
2     public static void amountDist(List<Appointment__c> listApp){
3         List<Service_records__c> serList = new List <Service_records__c>();
4         for(Appointment__c app : listApp){
5             if(app.Maintenance_service__c == true && app.Repairs__c == true && app.Replacement_Parts__c == true){
6                 app.Service_Amount__c = 10000;
7             }
8             else if(app.Maintenance_service__c == true && app.Repairs__c == true){
9                 app.Service_Amount__c = 5000;
10            }
11            else if(app.Maintenance_service__c == true && app.Replacement_Parts__c == true){
12                app.Service_Amount__c = 8000;
13            }
14            else if(app.Repairs__c == true && app.Replacement_Parts__c == true){
15                app.Service_Amount__c = 7000;
16            }
17            else if(app.Maintenance_service__c == true){
18                app.Service_Amount__c = 2000;
19            }
20            else if(app.Repairs__c == true){
21                app.Service_Amount__c = 3000;
22            }
23            else if(app.Replacement_Parts__c == true){
24                app.Service_Amount__c = 5000;
25            }
26        }
    }

```
- Buttons:** Go To, Log, Tests, and Problems.



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

- Title Bar:** orgfarm-4089610015-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSPage
- Menus:** File, Edit, Debug, Test, Workspace, Help.
- Code Coverage:** None
- API Version:** 64
- Code:**

```

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
13
14
15 }

```
- Buttons:** Go To.

- Reports:

The screenshot shows the 'Reports' section of the Garage Management application. On the left, there's a sidebar with categories like 'Recent', 'Created by Me', 'Public Reports', etc. The main area displays a table of reports. One report is highlighted: 'New Service information Report' under the 'Recent' category. The table columns include Report Name, Description, Folder, Created By, Created On, and Subscribed.

REPORTS	Report Name	Description	Folder	Created By	Created On	Subscribed
Recent	New Service information Report		Garage Management Folder	Sanjana R.	9/6/2025, 11:33 PM	

- Sharing a report folder:

The screenshot shows the 'Share folder' dialog box overlaid on the 'All Folders' section of the Garage Management Reports page. The dialog box has fields for 'Share With' (set to 'Users') and 'Who Can Access' (listing 'Sanjana R. Users' with 'Manage' access and 'Manager Roles' with 'View' access). A 'Done' button is at the bottom right.

- Create Report Type:

The screenshot shows the Salesforce Setup interface for creating a custom report type. The page title is "Custom Report Types".

Service information: Below is the information for this custom report type. You can click the buttons on this to preview or update information for the custom report type.

Details:

Display Label	Service information
API Name	Service_information
Description	Service information
Created By	Sanjana R, 9/1/25, 7:13 PM
Store in Category	other
Deployment Status	Deployed
Modified By	Sanjana R, 9/1/25, 7:13 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 feedback (D)

Fields:

Source Object	Included Fields
Customer Details	10
Appointments	14
Service records	11
Billing details and feedback	11

- Created Reports:

The screenshot shows the Salesforce Lightning interface for the "Customer Details" object. The page title is "Customer Details".

Recently Viewed:

- 1 Mac
- 2 Raj
- 3 Sanjan

Actions:

- New
- Import
- Change Owner
- Assign Label

Search:

Search this list...

Garage Management

Appointments

Recently Viewed

5 items • Updated a few seconds ago

	Appointment Name
1	app-006
2	app-003
3	app-005
4	app-007
5	app-008

New Import Change Owner Assign Label

Search this list...

Customer Details Appointments Service records Billing details and feedback Reports Dashboards

This screenshot shows the 'Appointments' section of the Garage Management app in the Lightning interface. It displays a list of five recently viewed appointments, each with a checkbox and a numerical index (1 through 5). The first appointment, 'app-006', is currently selected. The interface includes standard Salesforce navigation and search tools.

Garage Management

Service records

Recently Viewed

3 items • Updated a few seconds ago

	Service records Name
1	ser-005
2	ser-004
3	ser-003

New Import Change Owner Assign Label

Search this list...

Customer Details Appointments Service records Billing details and feedback Reports Dashboards

This screenshot shows the 'Service records' section of the Garage Management app in the Lightning interface. It displays a list of three recently viewed service records, each with a checkbox and a numerical index (1 through 3). The first service record, 'ser-005', is currently selected. The interface includes standard Salesforce navigation and search tools.

Garage Management System

Billing details and feedback

Recently Viewed

2 items • Updated a few seconds ago

	Billing details and feedback Name
1	bill-023
2	bill-022

New Import Change Owner Assign Label

Search this list...

Enable Field Editing

Row Counts Detail Rows Grand Total Stacked Summaries

Garage Management System

Report: Service information

New Service information Report

Total Records 2 Total Payment Paid \$10,001

Sum of P.: 10k 5k 0

Rating for service 2 5

Details (2 Rows) Click an intersection in the table above to filter details.

	Customer Details Name	Appointment Date	Service Status	Payment Paid
1	Sanjan	9/5/2025	Completed	\$10,000
2	Raj	9/3/2025	Completed	\$1
3				\$10,001

Row Counts Detail Rows Grand Total Stacked Summaries

- Created Dashboard Folder:

The screenshot shows the Salesforce Lightning interface for managing dashboards. The top navigation bar includes links for Customer Details, Appointments, Service records, Billing details and feedback, Reports, and Dashboards. The main content area displays a table of dashboards under the 'Recent' tab. The table has columns for Dashboard Name, Description, Folder, Created By, Created On, and Subscribed. One dashboard, 'Customer Review', is listed, created by Sanjana R on 9/1/2025 at 9:17 AM. The sidebar on the left provides navigation links for Recent, DASHBOARDS, FOLDERS, and FAVORITES.

DASHBOARD	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Customer Review		Service Rating dashboard	Sanjana R	9/1/2025, 9:17 AM	

The screenshot shows the 'Customer Review' dashboard. The top navigation bar includes links for Customer Details, Appointments, Service records, Billing details and feedback, Reports, and Dashboards. The dashboard title is 'Customer Review'. A message indicates it was last refreshed 4 days ago and suggests refreshing for the latest data. It shows the user is viewing as Sanjana R on Sep 8, 2025, at 12:00 PM. The main content area features a chart titled 'New Service information Report' with the Y-axis labeled 'Sum of Payment Paid' ranging from \$0 to \$10k and the X-axis labeled 'Rating for service' with values 2 and 5. The chart shows a downward-sloping line connecting points at (2, ~\$10k) and (5, ~\$0). Below the chart, there are links to 'View Report (New Service information Re...' and 'As of Sep 8, 2025, 12:00 PM'.

- User Adoption

New customer detail

The screenshot shows a customer detail record for 'Mac'. The 'Details' tab is selected, displaying the following fields:

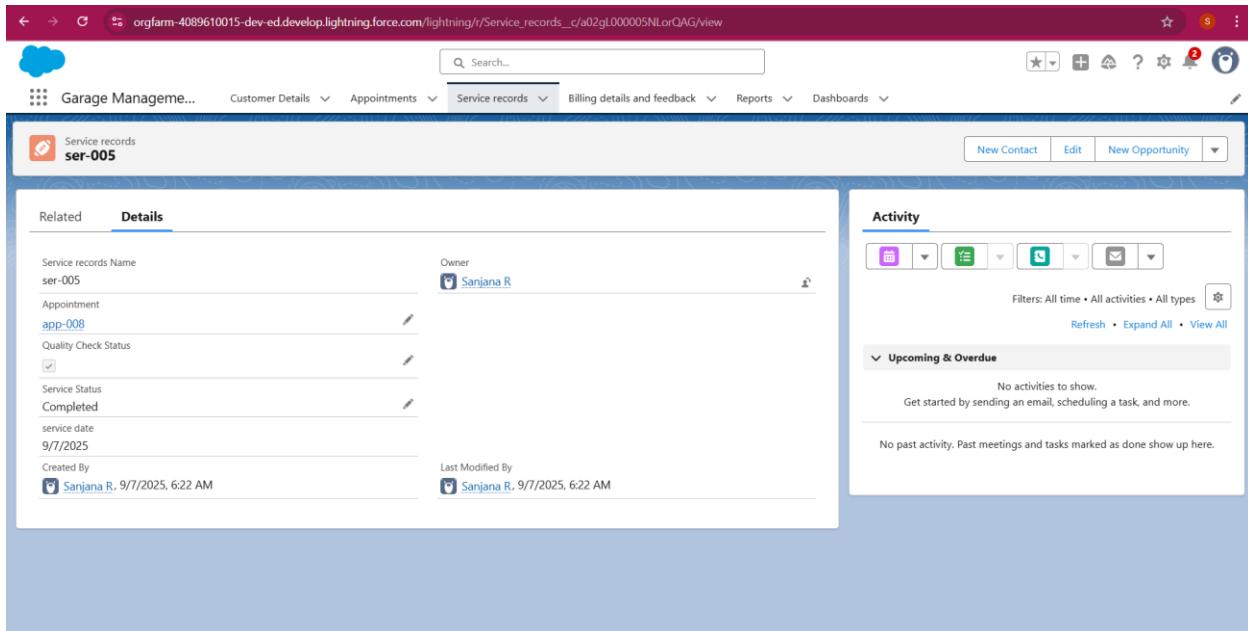
- Customer Details Name: Mac
- Phone number: (567) 876-5567
- Gmail: mac@gmail.com
- Created By: Sanjana R. on 9/1/2025, 8:30 AM
- Last Modified By: Sanjana R. on 9/1/2025, 8:30 AM

The 'Activity' section shows no upcoming or overdue activities.

The screenshot shows an appointment record for 'app-008'. The 'Details' tab is selected, displaying the following fields:

- Appointment Name: app-008
- Customer Details: Mac
- Appointment Date: 9/2/2025
- Maintenance service:
- Repairs:
- Replacement Parts:
- Service Amount: \$5,000
- Vehicle number plate: 1530EU0443
- Created By: Sanjana R. on 9/7/2025, 6:18 AM
- Last Modified By: Sanjana R. on 9/7/2025, 6:18 AM

The 'Activity' section shows no upcoming or overdue activities.



Conclusion:

The Garage Management System provides an efficient and organized solution for managing the daily operations of a garage. It streamlines tasks such as vehicle registration, job assignment, inventory tracking, billing, and customer communication. By automating these processes, the system reduces manual errors, saves time, and enhances overall productivity.

APPENDIX:

- **Source Code :** Provided in Apex Classes and Triggers

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;  
    }  
    else if(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;  
    }  
    else if(app.Repairs__c == true &&app.Replacement_Parts__c == true){  
        app.Service_Amount__c = 7000;  
    }  
    else if(app.Maintenance_service__c == true){  
        app.Service_Amount__c = 2000;  
    }  
    else if(app.Repairs__c == true){  
        app.Service_Amount__c = 3000;  
    }  
    else if(app.Replacement_Parts__c == true){  
        app.Service_Amount__c = 5000;  
    }  
}
```

```
 }  
 }
```

AmountDistribution:

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

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

```
    }
```

```
}
```