

# **GARAGE MANAGEMENT SYSTEM**

**SRI KRISHNA ADITHYA COLLEGE OF ARTS  
AND SCIENCE**

**TEAM ID : NM2025TMID22144**

**TEAM MEMBERS:**

**NANDHINI S**

**NISHANTH P C**

**NIVASH G**

**RUTHRA PRABHA G**

**TEAM LEADER : NANDHINI S**

Email: 23bsit144nandhinis@skacas.ac.in

**Team Member1 : NISHANTH P C**

Email: 23bsit148nishanthpc@skacas.ac.in

**Team Member2 : NIVASH G**

Email: 23bsit149nivashg@skacas.ac.in

**Team Member3 :RUTHRA PRABHA G**

Email: 23bsit154ruthraprabhag@skacas.ac.in

## 1.INTRODUCTION

### 1.1 Project Overview

The Garage Management System is a valuable tool for automotive repair facilities, helping them deliver top-notch service, increase operational efficiency, and build lasting customer relationships. With its user-friendly interface and powerful features, GMS empowers garages to thrive in a competitive market while ensuring a seamless and satisfying experience for both customers and staff.

### 1.2 Purpose

The purpose of a Garage Management System is to streamline and automate the daily operations of a vehicle service center, including customer and vehicle management, service booking, inventory tracking, and billing. It helps improve efficiency, reduce manual errors, and maintain accurate service and payment records.

## DEVELOPMENT PHASE

Creating Developer account

By using this

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

**Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud.**

Sign up for your Developer Edition.

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

First name: Nandhini | Last name: S | Job title: Student | Work email: 23bsit144nandhinis@\*

Company: Salesforce | Country/Region: India

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

I agree to the [Main Services Agreement – Developer Services](#) and [Salesforce Program Agreement](#). I acknowledge, as described in the Developer Documentation: (1) the Developer Edition includes

## Account Activation

Change Your Password

Enter a new password for lead@sb.oom.  
Make sure to include at least:

- ✓ 8 characters
- ✓ 1 letter
- ✓ 1 number

\* New Password:  (Good)

\* Confirm New Password:  (Match)

Security Question: In what city were you born?

\* Answer: asdfghjkl

This will redirect to your salesforce setup page.

Create Objects: Customer Details, Appointments, Service Record, Billing Details and Feedback Object.

**SETUP > OBJECT MANAGER**

### Customer Detail

**Details**

Description:

API Name: Customer\_Details\_\_c  
Custom: ✓  
Singular Label: Customer Detail  
Plural Label: Customer Details

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

**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:

Object Access:

Triggers:

**Details**

**Edit** **Delete**

This screenshot shows the 'Customer Detail' object configuration in the Salesforce setup. It displays the object's API name, custom status, singular and plural labels, and various deployment and help settings. The left sidebar lists other configuration options like fields, relationships, and page layouts.

**SETUP > OBJECT MANAGER**

### Appointment

**Details**

Description:

API Name: Appointment\_\_c  
Custom: ✓  
Singular Label: Appointment  
Plural Label: Appointments

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

**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:

Object Access:

Triggers:

**Details**

**Edit** **Delete**

This screenshot shows the 'Appointment' object configuration in the Salesforce setup. It displays the object's API name, custom status, singular and plural labels, and various deployment and help settings. The left sidebar lists other configuration options like fields, relationships, and page layouts.

**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

## Create Objects: Customer Details, Appointments, Service Record, Billing Details and Feedback Object

| Action     | Label                        | Tab Style | Description |
|------------|------------------------------|-----------|-------------|
| Edit   Del | Appointments                 | Books     |             |
| Edit   Del | Billing details and feedback | Bank      |             |
| Edit   Del | Customer Details             | Bell      |             |
| Edit   Del | Service records              | Building  |             |

# Lightning App is been developed with the name Garage Management Application .

The screenshot shows the 'App Details & Branding' section of the Lightning App Builder. On the left, a sidebar lists 'App Settings' with 'App Details & Branding' selected. The main area contains fields for 'App Name' (Garage Management Application), 'Developer Name' (Garage\_Management\_Application), and 'Description' (Enter a description...). It also includes sections for 'App Branding' (with an image placeholder and primary color set to #0070D2) and 'Org Theme Options' (unchecked). Below this is an 'App Launcher Preview' showing a blue square icon with 'GM' and the app name.

The screenshot shows the 'User Profiles' section of the Lightning App Builder. The sidebar has 'User Profiles' selected. The main area displays a list of 'Available Profiles' on the left, including 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. On the right, a 'Selected Profiles' list shows profiles like System Administrator, sales person, Manager, and Salesforce platform user. A vertical scroll bar is visible between the two lists.

The screenshot shows the Lightning App Builder interface for the "Garage Management Application". The left sidebar has sections for "App Settings" (App Details & Branding, App Options, Utility Items (Desktop Only)) and "Navigation Items" (User Profiles). The main area is titled "Navigation Items" with a sub-instruction: "Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support." Below this are two panels: "Available Items" (listing various Salesforce objects like Accounts, Activation Targets, Activations, etc.) and "Selected Items" (listing Customer Details, Appointments, Service records, etc.). Navigation arrows between the panels allow items to be moved.

## Configured fields and relationships

The screenshot shows the Salesforce Setup Object Manager for the "Customer Details" object. The left sidebar lists various setup categories. The main area is titled "Fields & Relationships" and displays a table of fields for the "Customer Details" object. The table includes columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED status. The fields listed are:

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

- Student Service records | Salesforce

orgfarm-a0776ad686-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgL000002v1y/FieldsAndRelationships/view

Cloud icon Search Setup Star School

Setup Home Object Manager

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            |                   | ▼       |

- Student Appointment | Salesforce

orgfarm-a0776ad686-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgL000002w9j/FieldsAndRelationships/view

Cloud icon Search Setup Star School

Setup Home Object Manager

SETUP > OBJECT MANAGER Appointment

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                 |                   |         |
| Name                | Name__c                | Master-Detail(Customer)  |                   | ✓       |
| Repairs             | Repairs__c             | Checkbox                 |                   |         |
| Replacement Parts   | Replacement_Parts__c   | Checkbox                 |                   |         |

# Create a Validation Rule

The screenshot shows the Salesforce Setup interface for creating a validation rule. The top navigation bar includes tabs for Student, Appointment, and Object Manager. The URL in the address bar is <https://orgfarm-a0776ad686-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgL0000020w9j/ValidationRules/03dgL00000PcenQAC/view>. The main content area is titled "Appointment Validation Rule" and displays the "Validation Rule Detail" section. The rule is named "Vehicle" and is active. The error condition formula is "NOT(REGEX( Vehicle\_number\_plate\_\_c , '[A-Z]{2}[0-9]{2}[A-Z]{2}[0-9]{4}'))". The error message is "Please enter valid number". The description is "Vehicle". The created by field shows "Haripriya.M" and the creation date "9/5/2025, 1:33 PM". The modified by field also shows "Haripriya.M" and the modification date "9/5/2025, 1:33 PM". A sidebar on the left lists various setup options for the Appointment object.

The screenshot shows the Salesforce Setup interface for creating a validation rule. The top navigation bar includes tabs for Student, Billing details and feedback, and Object Manager. The URL in the address bar is <https://orgfarm-a0776ad686-dev-ed.lightning.force.com/lightning/setup/ObjectManager/01lgL0000020wx/ValidationRules/03dgL00000Pd1NQAS/view>. The main content area is titled "Billing details and feedback Validation Rule" and displays the "Validation Rule Detail" section. The rule is named "rating\_should\_be\_less\_than\_5" and is active. The error condition formula is "NOT( REGEX( Rating\_for\_service\_\_c , '[1-5]{1}' ))". The error message is "rating should be from 1 to 5". The description is "Rating for service". The created by field shows "Haripriya.M" and the creation date "9/5/2025, 1:35 PM". The modified by field also shows "Haripriya.M" and the modification date "9/5/2025, 1:35 PM". A sidebar on the left lists various setup options for the Billing details and feedback object.

# Create a Duplicate Rule

The screenshot shows the Matching Rules page in the Salesforce Setup interface. The URL is <https://orgfarm-a0776ad686-dev-ed.lightning.force.com/lightning/setup/MatchingRules/page?address=%2F0JDgL000003k8th>. The page title is "Matching Rules". A matching rule named "Matching customer details" is displayed, which matches customer details based on email and phone number. The rule was created by Haripriya M. on 9/5/2025 at 1:38 PM.

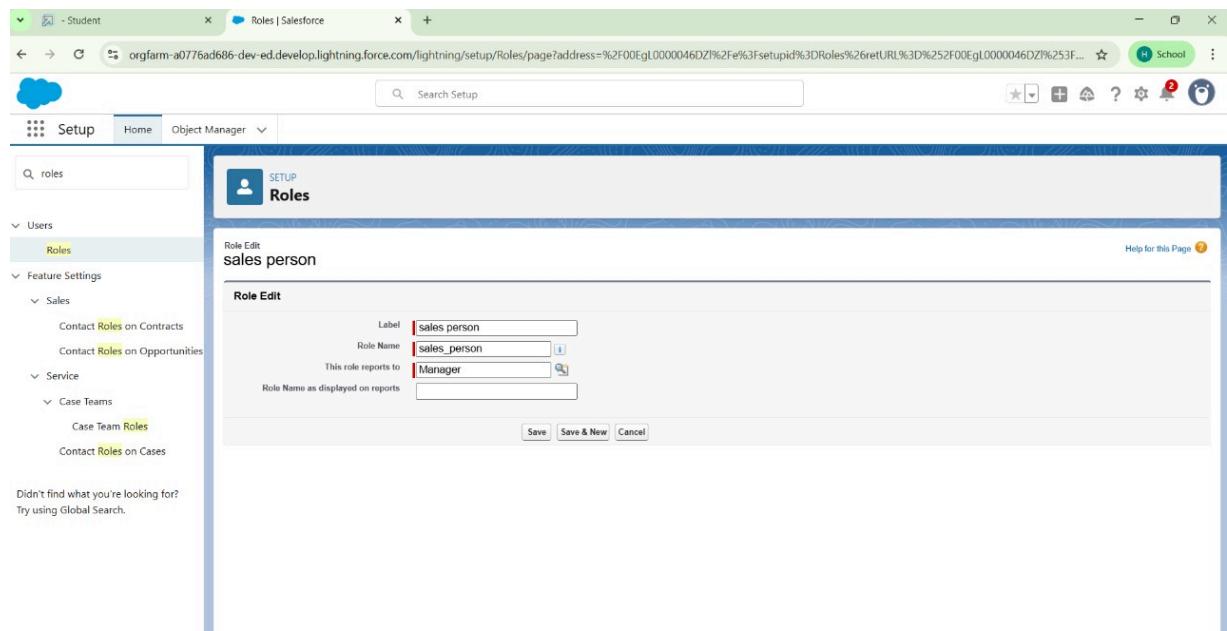
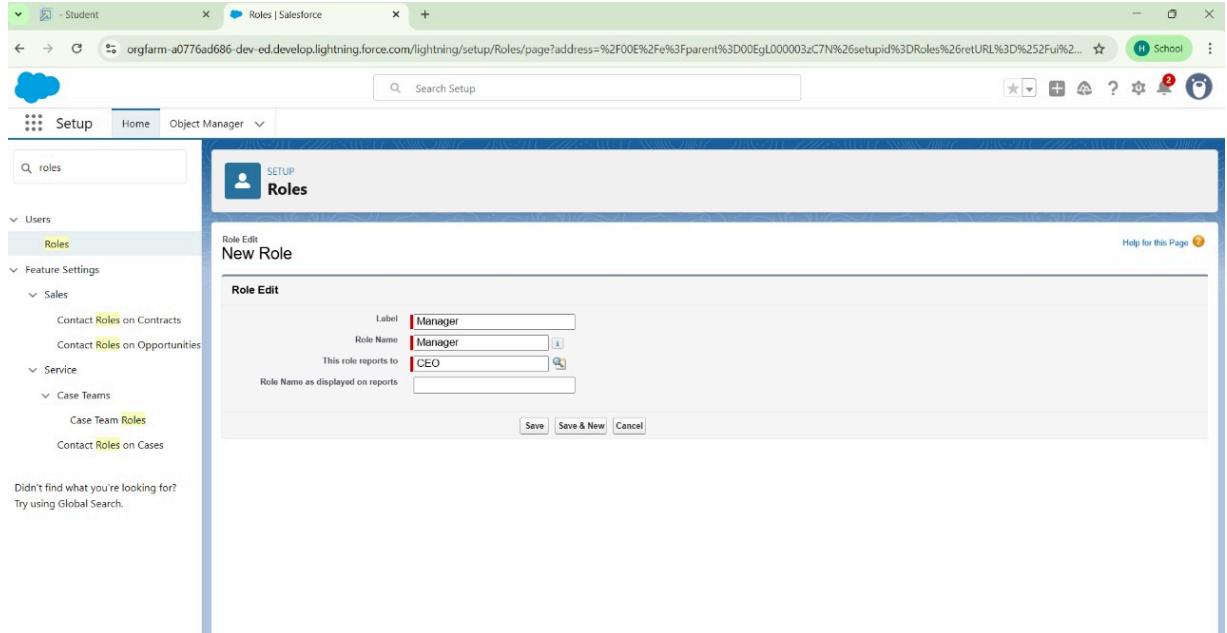
The screenshot shows the Duplicate Rules page in the Salesforce Setup interface. The URL is <https://orgfarm-a0776ad686-dev-ed.lightning.force.com/lightning/setup/DuplicateRules/page?address=%2F0BmgL000003gIJ%3Fsetupid%3DDuplicateRules>. A duplicate rule named "Customer Detail duplicate" is displayed, which uses the "Matching customer details" matching rule to handle duplicates. The rule was created by Haripriya M. on 9/5/2025 at 1:41 PM.

# Creating a Profile

The screenshot shows the Salesforce Setup interface with the 'Profiles' tab selected. The left sidebar has 'Users' expanded, with 'Profiles' highlighted. The main content area is titled 'Profiles Manager'. It displays a table of profiles with columns for Name, Manager, User License, Description, Created By, Modified By, and a 'Custom Profile' checkbox. A note says 'Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.' Below this is a table of 'Profile Detail' for the 'Salesforce' profile, showing various settings like Global Layout, Location Group Assignment, and Page Layouts for Standard Object Layouts.

The screenshot shows the Salesforce Setup interface with the 'Profiles' tab selected. The left sidebar has 'Users' expanded, with 'Profiles' highlighted. The main content area is titled 'Profiles Manager'. It displays a table of profiles with columns for Name, Manager, User License, Description, Created By, Modified By, and a 'Custom Profile' checkbox. A note says 'Users with this profile have the permissions and page layouts listed below. Administrators can change a user's profile by editing that user's personal information.' Below this is a table of 'Profile Detail' for a new profile named 'Salesforce platform user', showing various settings like Global Layout, Location Group Assignment, and Page Layouts for Standard Object Layouts.

# Creating Role and Role Hierarchy "Manager" and "Sales Person"



# Creating users as Niklaus Mikaelson and other users

The screenshot shows the Salesforce Setup interface with the 'Users' tab selected. A search bar at the top left contains the text 'users'. The main content area displays the 'User Detail' for a user named 'Niklaus Mikaelson'. The user's name is listed as 'Niklaus Mikaelson' with an alias 'nmika'. The email address is 'haripriyans542@gmail.com [Verify]'. The username is 'nikita@mika.n' and the nickname is 'mik'. The role is set to 'Manager'. Other fields include 'Active' (checked), 'Marketing User' (unchecked), 'Offline User' (unchecked), 'Knowledge User' (unchecked), 'Flow User' (unchecked), 'Service Cloud User' (unchecked), 'Site.com Contributor User' (unchecked), 'Site.com Publisher User' (unchecked), 'WDC User' (unchecked), 'Mobile Push Registrations' (View), 'Data.com User Type' (unchecked), 'Accessibility Mode (Classic Only)' (unchecked), and 'Debug Mode' (unchecked). The 'User Detail' section also includes a note about receiving approval request emails: 'Only if I am an approver'. The left sidebar shows various setup categories like 'Permission Set Groups', 'Profiles', 'Public Groups', 'Queues', 'Roles', 'User Management Settings', and 'Users' (which is currently selected).

The screenshot shows the Salesforce Setup interface with the 'Users' tab selected. A search bar at the top left contains the text 'users'. The main content area displays the 'User Detail' for a user named 'ram charan'. The user's name is listed as 'ram charan' with an alias 'rchar'. The email address is 'haripriyans542@gmail.com [Verify]'. The username is 'charan@ram.k' and the nickname is 'rama'. The role is set to 'sales person'. Other fields include 'Active' (checked), 'Marketing User' (unchecked), 'Offline User' (unchecked), 'Knowledge User' (unchecked), 'Flow User' (unchecked), 'Service Cloud User' (unchecked), 'Site.com Contributor User' (unchecked), 'Site.com Publisher User' (unchecked), 'WDC User' (unchecked), 'Mobile Push Registrations' (View), 'Data.com User Type' (unchecked), 'Accessibility Mode (Classic Only)' (unchecked), and 'Debug Mode' (unchecked). The 'User Detail' section also includes a note about receiving approval request emails: 'Only if I am an approver'. The left sidebar shows various setup categories like 'Permission Set Groups', 'Profiles', 'Public Groups', 'Queues', 'Roles', 'User Management Settings', and 'Users' (which is currently selected).

## Creating New Public Group “Sales Team”

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

- Page Header:** Public Groups | Salesforce
- Search Bar:** Search Setup
- Left Sidebar (Users):**
  - Setup
  - Home
  - Object Manager
  - public
  - Users
    - Public Groups
  - Feature Settings
  - Salesforce Files
    - Content Deliveries and Public Links
  - Company Settings
  - Calendar Settings
    - Public Calendars and Resources
- Central Content Area:**

### SETUP Public Groups

**Group**  
**sales team**

Help for this Page ⓘ

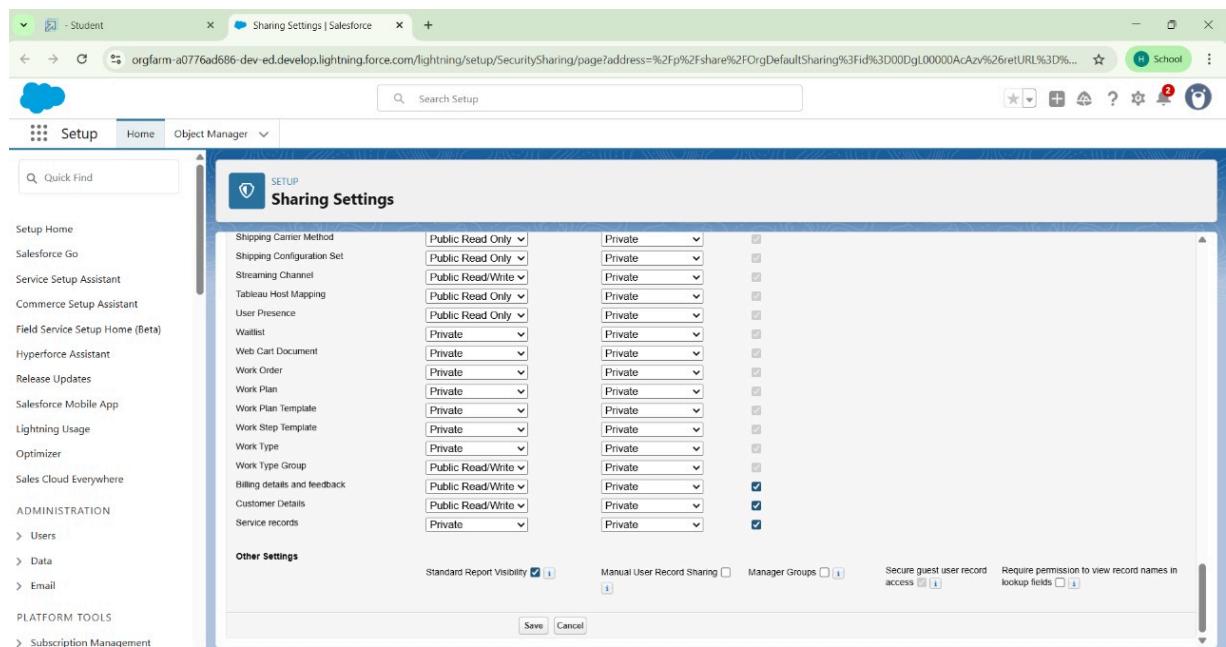
|                                | Label      | sales team        |
|--------------------------------|------------|-------------------|
| Group Name                     | sales_team |                   |
| Grant Access Using Hierarchies | ✓          |                   |
| Description                    |            |                   |
| Created By                     | Hananya M. | 9/5/2025, 2:22 PM |
| Modified By                    | Hananya M. | 9/5/2025, 2:22 PM |

**Members**

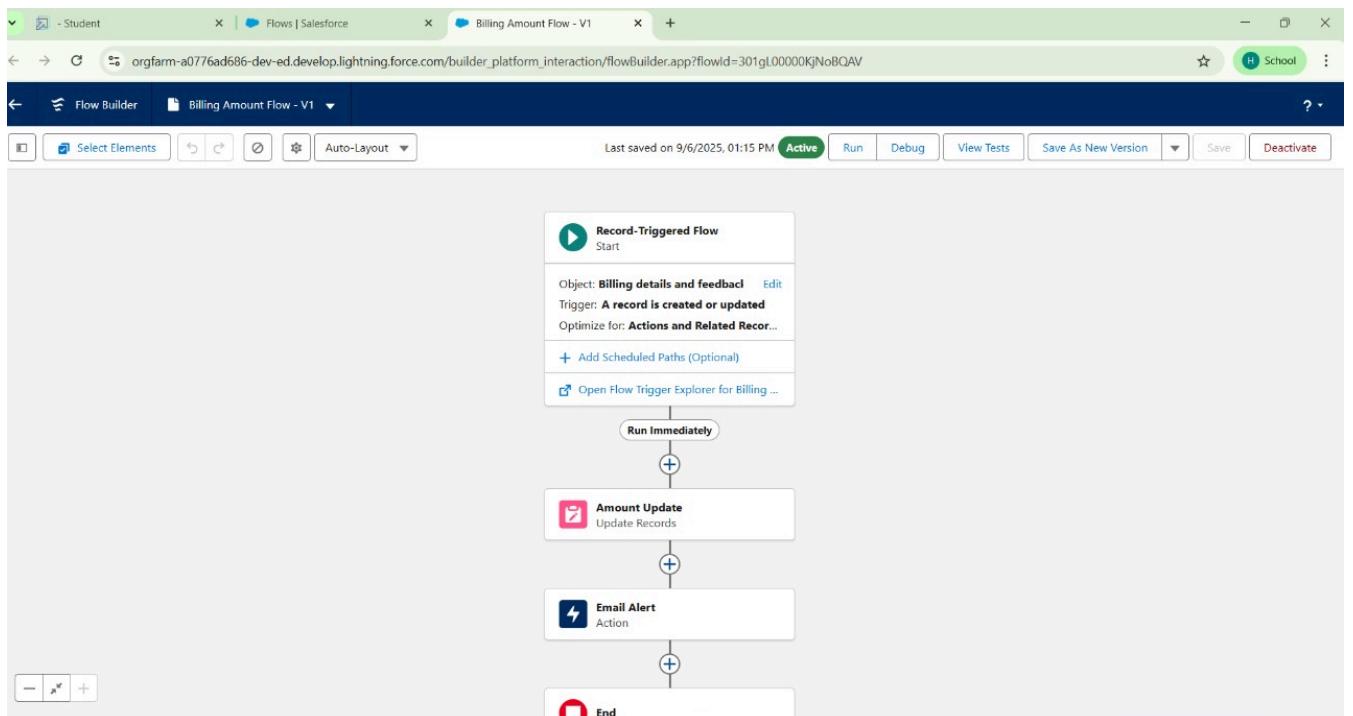
View All Users

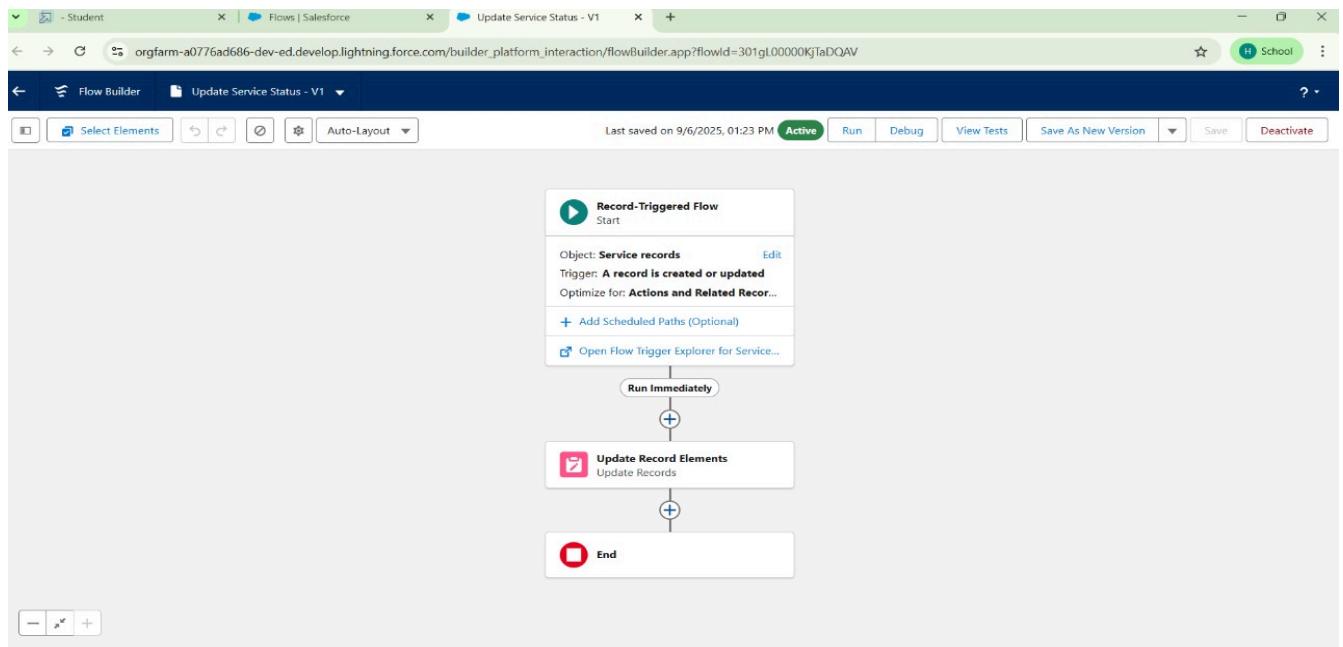
| Name         | Type |
|--------------|------|
| sales_person | Role |

## Creating Sharing Settings “Sharing setting”



## Creating Flows





## Creating and Apex Class “AmountDistributionHandler” , ”AmountDistribution”.

```

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

```

```

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

```

The screenshot shows the Salesforce Developer Console interface. The top navigation bar includes tabs for 'Student', 'Home | Salesforce', and 'Developer Console'. Below the tabs, the file path 'AmountDistribution.apxc' is shown. The code editor displays the 'AmountDistributionHandler.apxc' class. The code itself is a simple Apex class with a static method 'amountDist' that iterates through a list of appointments and sets their service amount to 10000 if certain maintenance and repair conditions are met. The code editor also shows tabs for 'Logs', 'Tests', 'Checkpoints', 'Query Editor', 'View State', 'Progress', and 'Problems'.

## Reports

### Creating a Report Folder

The screenshot shows the Garage Management system interface. The top navigation bar includes tabs for 'Customer Details', 'Appointments', 'Service records', 'Billing details and feedbacks', 'Reports', and 'Dashboards'. The 'Reports' tab is currently selected. On the left, there is a sidebar with sections for 'Recent', 'REPORTS' (Recent, Created by Me, Private Reports, Public Reports, All Reports), 'FOLDERS' (All Folders, Created by Me, Shared with Me), and 'FAVORITES' (All Favorites). The main area shows a table of reports with columns for 'Report Name', 'Description', 'Folder', 'Created By', 'Created On', and 'Subscribed'. A modal dialog titled 'Create folder' is open in the center, prompting for 'Folder Label' (Garage Management Folder) and 'Folder Unique Name' (GarageManagementFolder). At the bottom of the dialog are 'Cancel' and 'Save' buttons.

The screenshot shows the Salesforce Reports interface. The top navigation bar includes tabs for Customer Details, Appointments, Service records, Billing details and feedback, Reports, and Dashboards. A search bar at the top right contains the placeholder "Search...". Below the navigation is a header bar with icons for Home, School, Help, and User profile. The main content area is titled "Garage Management" and displays a table of "All Folders". The table has columns for Name, Created By, Created On, Last Modified By, and Last Modified Date. The data shows several report items and a folder named "Garage Management Folder" created by "Haripriya M" on 9/6/2025 at 1:11 AM.

## Sharing a Report Folder

The screenshot shows the Salesforce Reports interface with a "Share folder" dialog box overlaid. The dialog title is "Share folder" and it states: "These sharing settings apply to all subfolders in this folder." The "Share With" section allows selecting "Roles" or "Names". Under "Names", "Manager" is selected with "Access" set to "View". The "Share" button is visible. Below this is a "Who Can Access" section with a search bar and two entries: "Haripriya M Users" with "Access" set to "Manage" and "Manager" with "Access" set to "View". A "Done" button is at the bottom right of the dialog. The background shows the same "Garage Management" Reports view as the previous screenshot.

# Creating Report

The screenshot shows the Salesforce Setup interface for creating a custom report type. The left sidebar navigation includes 'Feature Settings' (Analytics, Reports & Dashboards, Security), 'Reports & Dashboards' (Report Types, Reporting Snapshots, Reports and Dashboards, Settings), and 'Security' (Guest User Sharing Rule Access Report). The 'Report Types' section is currently selected. The main content area displays the 'Details' and 'Object Relationships' sections for the 'Service\_information' report type.

**Details**

|                   |                              |
|-------------------|------------------------------|
| Display Label     | Service information          |
| API Name          | Service_information          |
| Description       | Service information          |
| Created By        | Haripriya M, 9/6/25, 1:49 PM |
| Store in Category | other                        |
| Deployment Status | Deployed                     |
| Modified By       | Haripriya M, 9/6/25, 1:49 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)

A diagram illustrates the relationships between four objects: A, B, C, and D. It shows overlapping circles where A overlaps with B, B overlaps with C, and C overlaps with D. An arrow points from the overlapping area of A and B down to a row of four colored bars labeled A, B, C, and D.

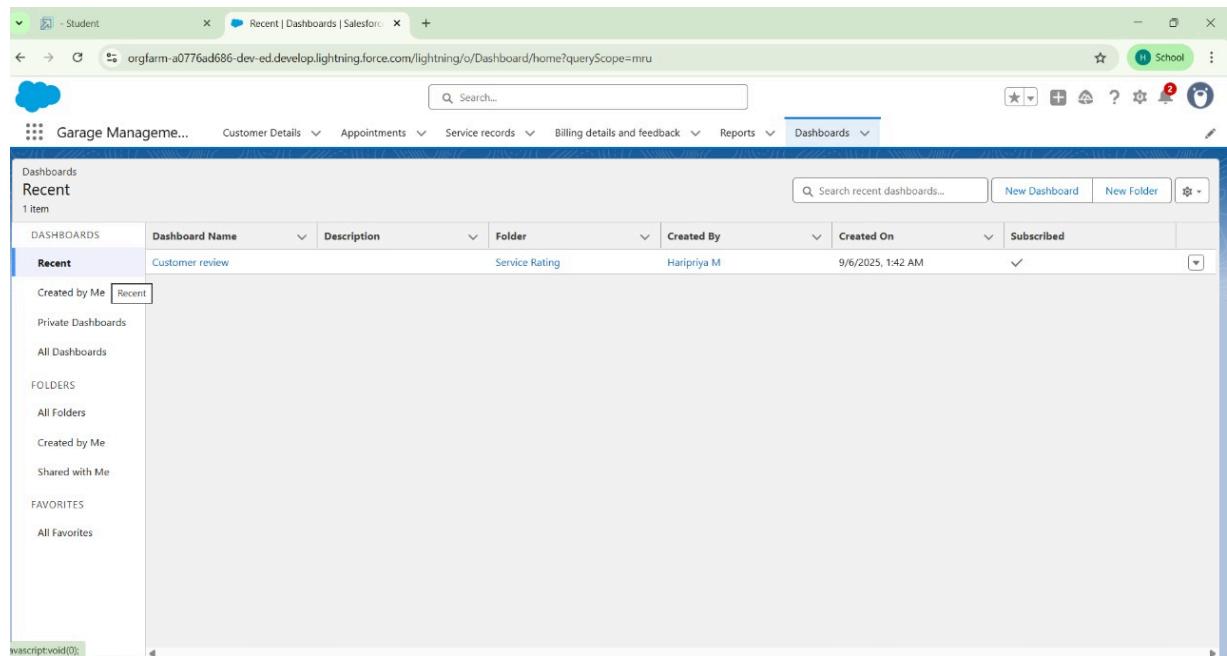
The screenshot shows the Salesforce Reports page. The top navigation bar includes links for Customer Details, Appointments, Service records, Billing details and feedback, Reports, and Dashboards. The main content area displays a table of recent reports.

| REPORTS | Report Name                    | Description | Folder                   | Created By  | Created On        | Subscribed |
|---------|--------------------------------|-------------|--------------------------|-------------|-------------------|------------|
| Recent  | New Service information Report |             | Garage Management Folder | Haripriya M | 9/6/2025, 1:33 AM |            |

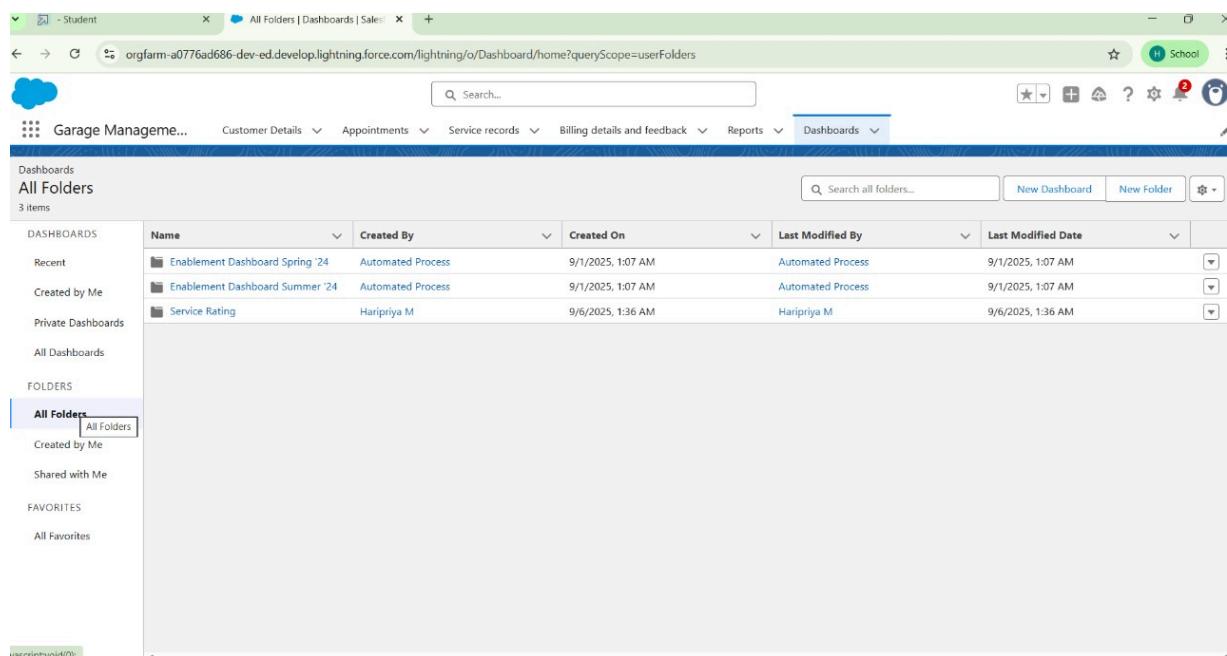
The left sidebar provides navigation for Reports (Recent, Created by Me, Private Reports, Public Reports, All Reports), FOLDERS (All Folders), and FAVORITES (All Favorites).

# Dashboards

## Creating Dashboard Folder



The screenshot shows the Salesforce Lightning interface with the title bar "Recent | Dashboards | Salesforce". The main content area displays a table titled "Dashboards Recent" with one item: "Customer review". The table columns are: Dashboard Name, Description, Folder, Created By, Created On, and Subscribed. The "Customer review" entry has a "Service Rating" description, was created by "Haripriya M" on "9/6/2025, 1:42 AM", and is not subscribed. The sidebar on the left lists categories like "Dashboards", "Folders", and "Favorites". A search bar at the top right says "Search recent dashboards...".



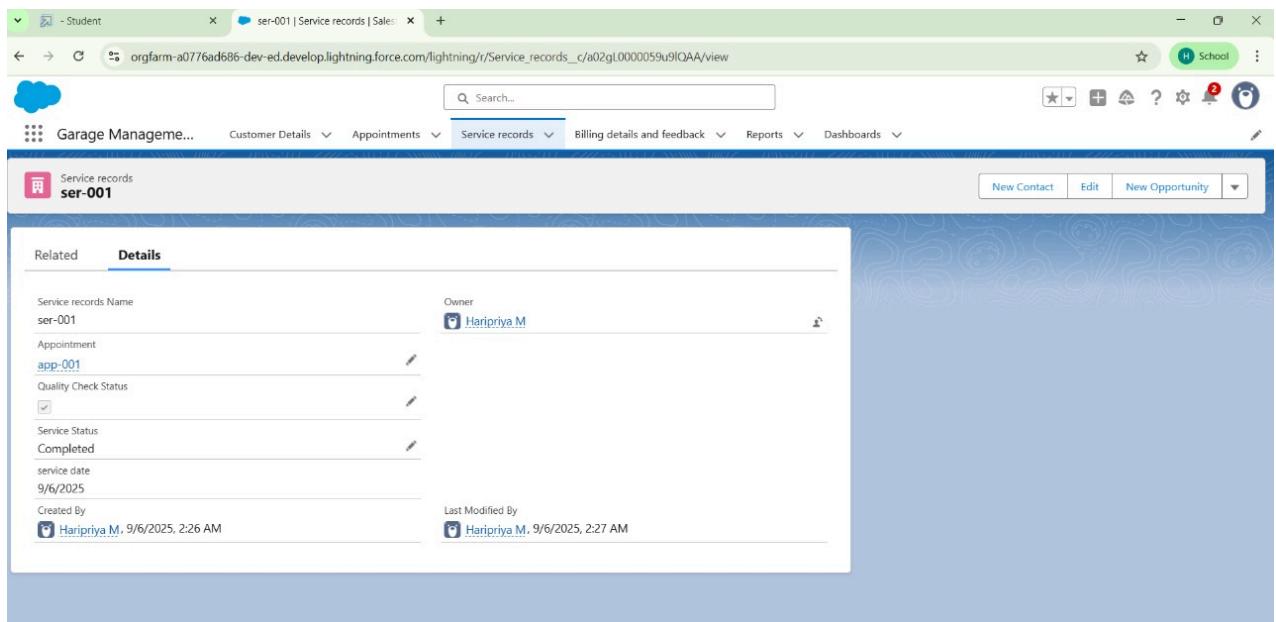
The screenshot shows the Salesforce Lightning interface with the title bar "All Folders | Dashboards | Salesforce". The main content area displays a table titled "Dashboards All Folders" with three items: "Enablement Dashboard Spring '24", "Enablement Dashboard Summer '24", and "Service Rating". The table columns are: Name, Created By, Created On, Last Modified By, and Last Modified Date. All items were created by "Automated Process" on "9/1/2025, 1:07 AM" and last modified by "Automated Process" on "9/1/2025, 1:07 AM". The "Service Rating" item was created by "Haripriya M" on "9/6/2025, 1:36 AM" and last modified by "Haripriya M" on "9/6/2025, 1:36 AM". The sidebar on the left lists categories like "Dashboards", "Folders", and "Favorites". A search bar at the top right says "Search all folders...".

# User adaption

## Creating Records

This screenshot shows a CRM application interface for creating a new contact record. The top navigation bar includes links for Customer Details, Appointments, Service records, Billing details and feedback, Reports, and Dashboards. A search bar is at the top right. The main area is titled "Details" and contains fields for "Owner" (set to "Nandhini S"), "Email" (set to "gmail.com"), and "Last Modified By" (set to "Nandhini S, 9/12/2025, 10:49 AM"). Action buttons "New Contact", "Edit", and "New Op" are visible in the top right corner.

This screenshot shows a CRM application interface for creating a new appointment record. The top navigation bar includes links for Customer Details, Appointments, Service records, Billing details and feedback, Reports, and Dashboards. A search bar is at the top right. The main area is titled "Details" and contains fields for "Appointment Name" (set to "app-001"), "Customer Details" (set to "Mac"), "Appointment Date" (set to "1/9/2025"), "Maintenance service" (checkbox checked), "Repairs" (checkbox checked), "Replacement Parts" (checkbox checked), "Service Amount" (set to "\$5,000"), "Vehicle number plate" (set to "TS30EU0443"), and "Name" (set to "Mac"). The "Created By" field shows "Haripriya M, 9/6/2025, 2:10 AM". The "Last Modified By" field also shows "Haripriya M, 9/6/2025, 2:10 AM". Action buttons "New Contact", "Edit", and "New Opportunity" are visible in the top right corner.



## ADVANTAGES AND DISADVANTAGES

### Advantages:

- Automates garage operations, saving time
- Keeps customer and vehicle records organized
- Improves service tracking and job assignment
- Generates quick and accurate bills
- Helps manage spare parts inventory efficiently
- Provides reports for better decision-making.

### Disadvantages:

- Initial setup cost may be high
- Requires basic computer knowledge to operate
- System failure or bugs can interrupt work
- Data security is needed to protect customer information
- Regular updates and maintenance are required

## CONCLUSION

The Garage Management System is a useful tool that helps automate and simplify the daily operations of a vehicle service center. It improves efficiency, reduces manual work, and ensures accurate tracking of services, inventory, and billing. Despite some initial setup and training needs, it offers long-term benefits in managing the garage smoothly and professionally.

## APPENDIX

Source Code 1 :

```
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;

}
```

```
    }  
}  
}  
}
```

Code 2:

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

