

# Garage Management system

**Project Title** : Garage Management system

**College** : Kg College of arts and science

**Team ID** : NM2025TMID23854

**Team Size** : 4

## Team Member Details:

1. **Team Leader** : Nishanthika N

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2. **Team Member** : Nithin S

**Email** : [2326jb27@kgcas.com](mailto:2326jb27@kgcas.com)

3. **Team Member** : Nivitha V

**Email** : [2326jb28@kgcas.com](mailto:2326jb28@kgcas.com)

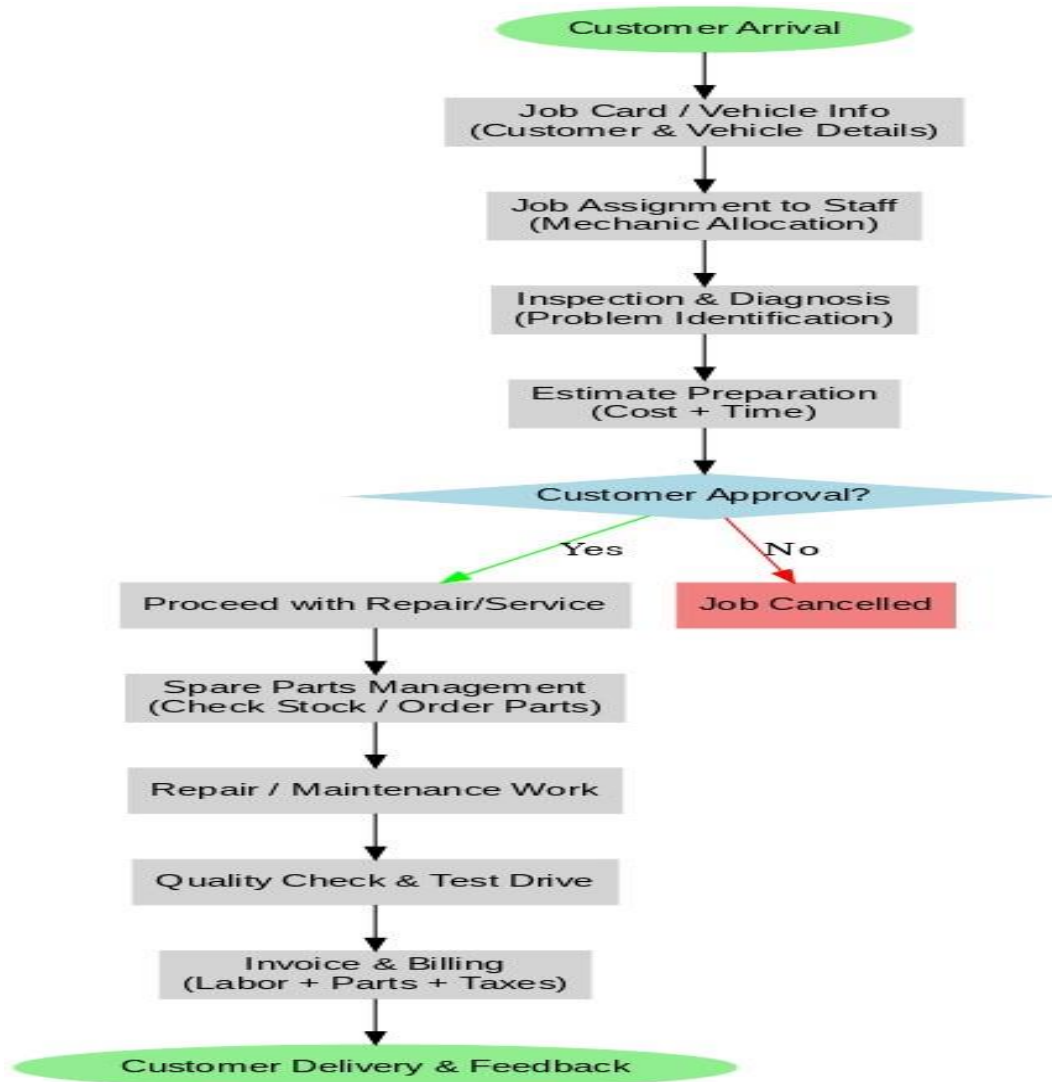
4. **Team Member** : Pooja K

**Email** : [2326jb29@kgcas.com](mailto:2326jb29@kgcas.com)

## 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

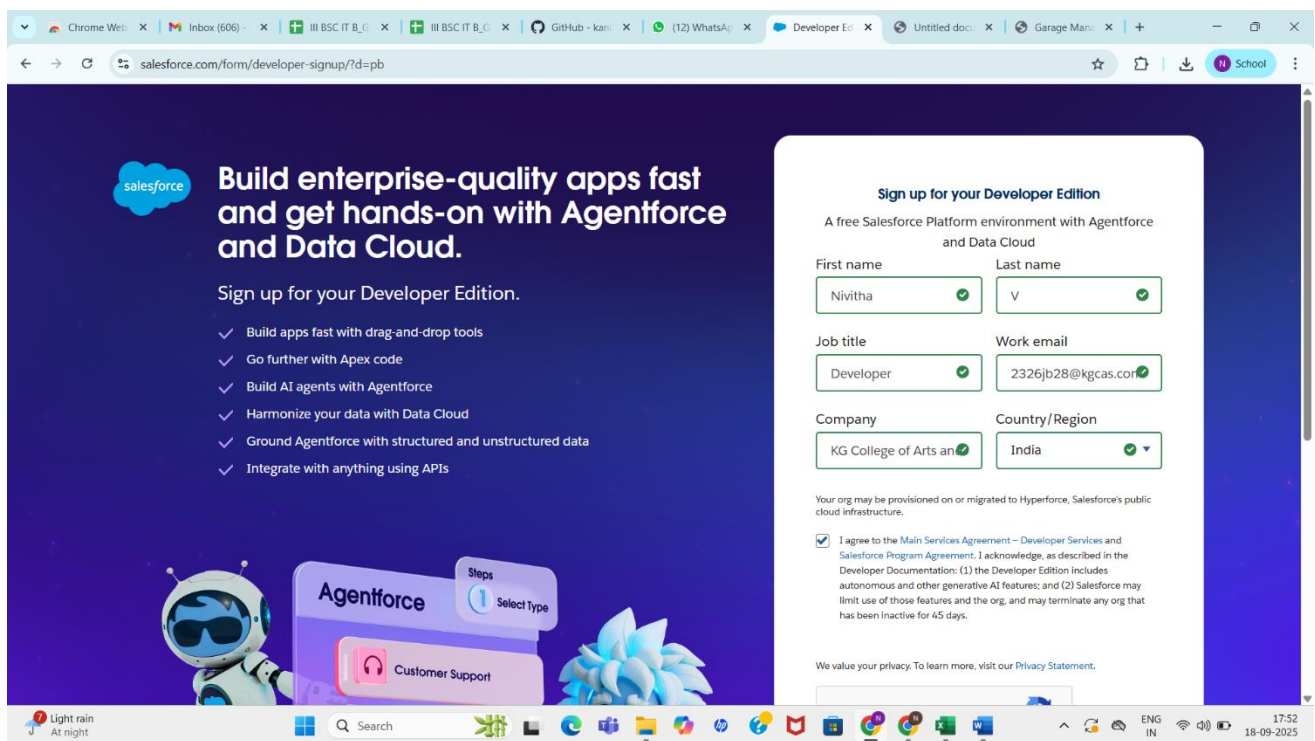
The purpose of the Garage Management System is to streamline and automate the daily operations of automotive repair facilities. It provides a centralized platform for managing customer details, vehicle information, job assignments,

repair workflows, spare parts inventory, billing, and customer feedback. By digitizing these processes, GMS enhances operational efficiency, reduces errors, ensures timely service delivery, and improves customer satisfaction. Ultimately, it empowers garages to deliver high-quality service, maintain better resource utilization, and thrive in a competitive automotive service industry.

## DEVELOPMENT PHASE

### Creating Developer Account:

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



The screenshot shows the Salesforce Developer Edition signup page in a web browser. The page has a dark blue background with the Salesforce logo and the text "Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud." Below this, it says "Sign up for your Developer Edition." and lists several benefits: "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", and "Integrate with anything using APIs". On the right side, there is a white form titled "Sign up for your Developer Edition" with the subtitle "A free Salesforce Platform environment with Agentforce and Data Cloud". The form contains fields for "First name" (Nivitha), "Last name" (V), "Job title" (Developer), "Work email" (2326jb28@kgcas.com), "Company" (KG College of Arts and), and "Country/Region" (India). There is a checkbox for "I agree to the Main Services Agreement – Developer Services and Salesforce Program Agreement" which is checked. Below the form, it says "Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure." and "We value your privacy. To learn more, visit our Privacy Statement." The browser's address bar shows the URL "salesforce.com/form/developer-signup/?d=pb". The taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray shows the date and time as "17:52 18-09-2025".

salesforce

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

Sign up for your Developer Edition.

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

**Sign up for your Developer Edition**

A free Salesforce Platform environment with Agentforce and Data Cloud

First name: Nivitha ✓ Last name: V ✓

Job title: Developer ✓ Work email: 2326jb28@kgcas.com ✓

Company: KG College of Arts and ✓ 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 autonomous and other generative AI features; and (2) Salesforce may limit use of those features and the org, and may terminate any org that has been inactive for 45 days.

We value your privacy. To learn more, visit our Privacy Statement.

Created objects:

The screenshot shows the Salesforce Object Manager interface. The browser address bar displays the URL: `orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home`. The page header includes a search bar and navigation tabs for Setup, Home, and Object Manager. A dropdown menu is open under the Object Manager tab, showing options: New Object, RECENT RECORDS, Billing details and feedback, Service records, Appointment, Customer Details, and Customer Detail. The main content area is a table listing various objects.

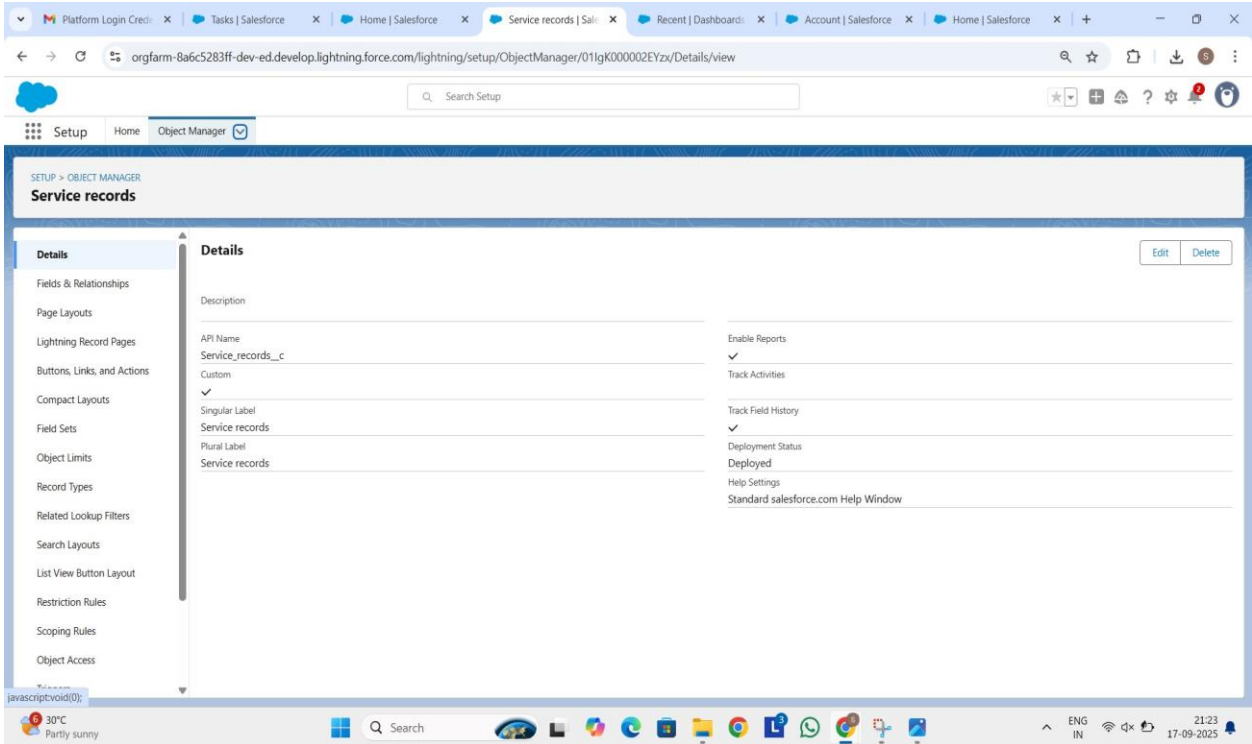
LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Account	Account	Standard Object			
Activity	Activity	Standard Object			
Address	Address	Standard Object			
Agent Work	AgentWork	Standard Object			
Alternative Payment Method	AlternativePaymentMethod	Standard Object			
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object			
Appointment	Appointment_c	Custom Object		9/13/2025	✓
Appointment Category	AppointmentCategory	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			
Appointment Topic Time Slot	AppointmentTopicTimeSlot	Standard Object			
Approval Submission	ApprovalSubmission	Standard Object			
Approval Submission Detail	ApprovalSubmissionDetail	Standard Object			
Approval Work Item	ApprovalWorkItem	Standard Object			
Asset	Asset	Standard Object			

Billing details and feedback:

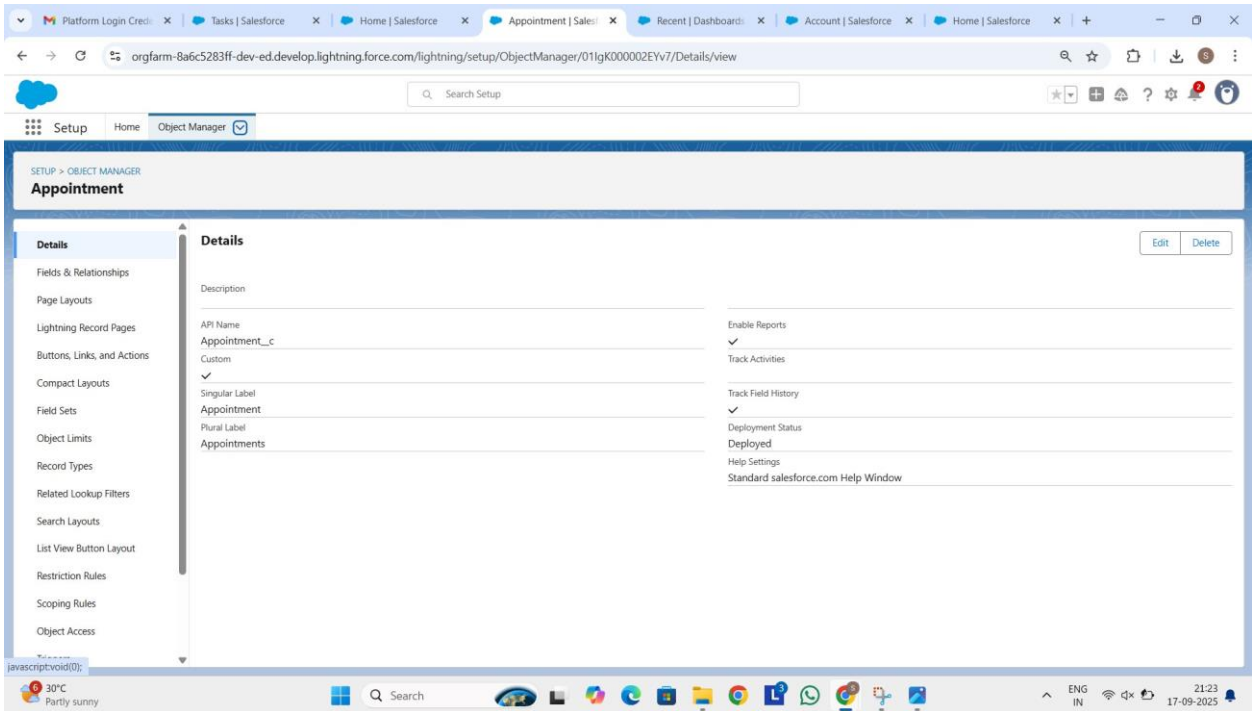
The screenshot shows the 'Billing details and feedback' details page in Salesforce Object Manager. The browser address bar displays the URL: `orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gK000002EZ1Z/Details/view`. The page header includes a search bar and navigation tabs for Setup, Home, and Object Manager. The main content area is divided into two sections: Details and Settings.

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

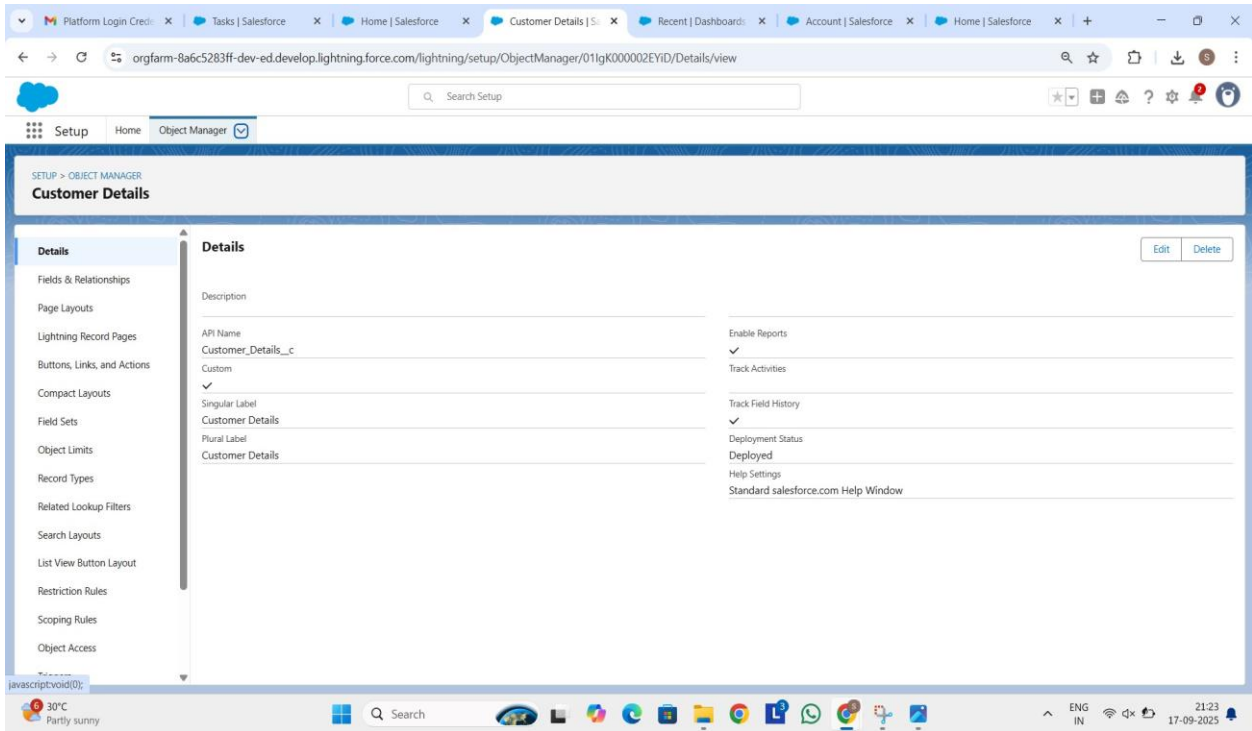
Service records:



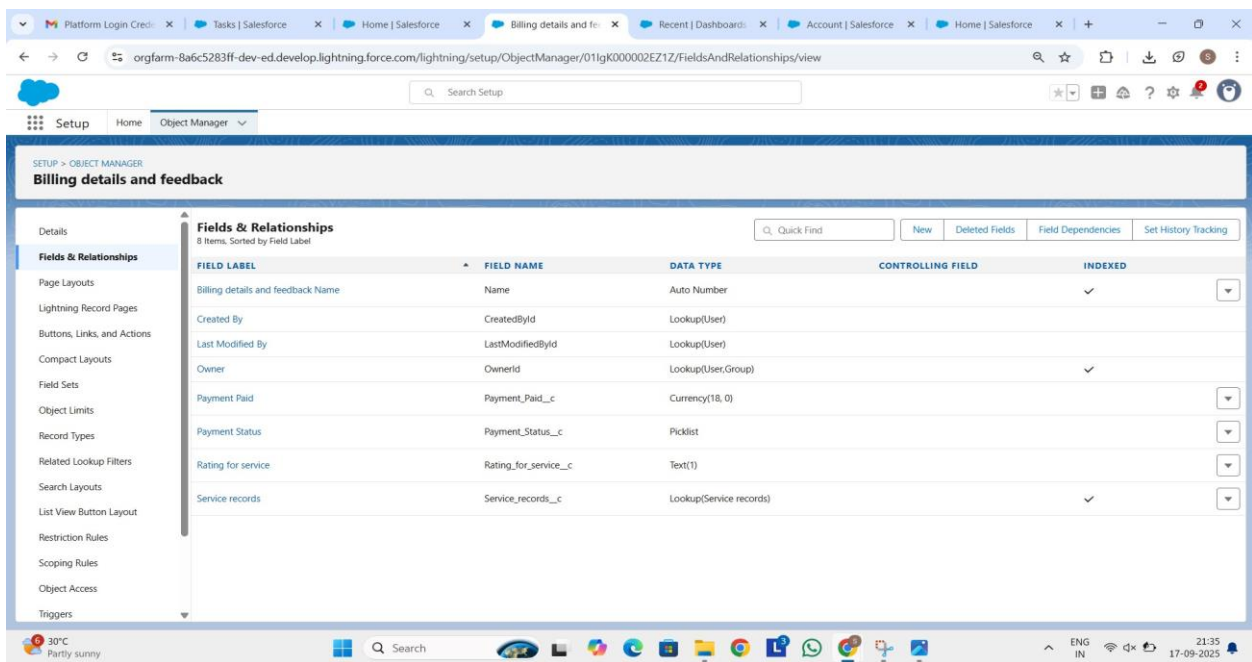
Appointment:



Customer Details:



Configured fields and relationship:  
Billing details and feedback:



Service records:



Screenshot of the Salesforce Setup page for the 'Service records' object. The page shows the 'Fields & Relationships' section with 8 items. The table lists fields and their properties:

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		

Appointment:

Screenshot of the Salesforce Setup page for the 'Appointment' object. The page shows the 'Fields & Relationships' section with 11 items. The table lists fields and their properties:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Appointment Date	Appointment_Date__c	Date		
Appointment Name	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
Customer Details	Customer_Details__c	Lookup(Customer Details)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Maintenance Service	Maintenance_service__c	Checkbox		
Owner	OwnerId	Lookup(User,Group)		✓
Repairs	Repairs__c	Checkbox		
Replacement Parts	Replacement_Parts__c	Checkbox		
Service Amount	Service_Amount__c	Currency(18, 0)		
Vehicle number plate	Vehicle_number_plate__c	Text(10) (Unique Case Insensitive)		✓

Customer Details:

Platform Login Cred... x Tasks | Salesforce x Home | Salesforce x Customer Details | x Recent | Dashboard x Account | Salesforce x Home | Salesforce x + -

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000002EYID/FieldsAndRelationships/view

Setup Home Object Manager

### SETUP > OBJECT MANAGER

#### Customer Details

Details

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

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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		

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Developed Lightning App:

Platform Login Cred... x Tasks | Salesforce x Home | Salesforce x Lightning Usage x App Manager | x Recent | Dashboard x Account | Salesforce x Home | Salesforce x + -

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/setup/NavigationMenus/home

Setup Home Object Manager

Quick Find

### SETUP

#### Lightning Experience App Manager

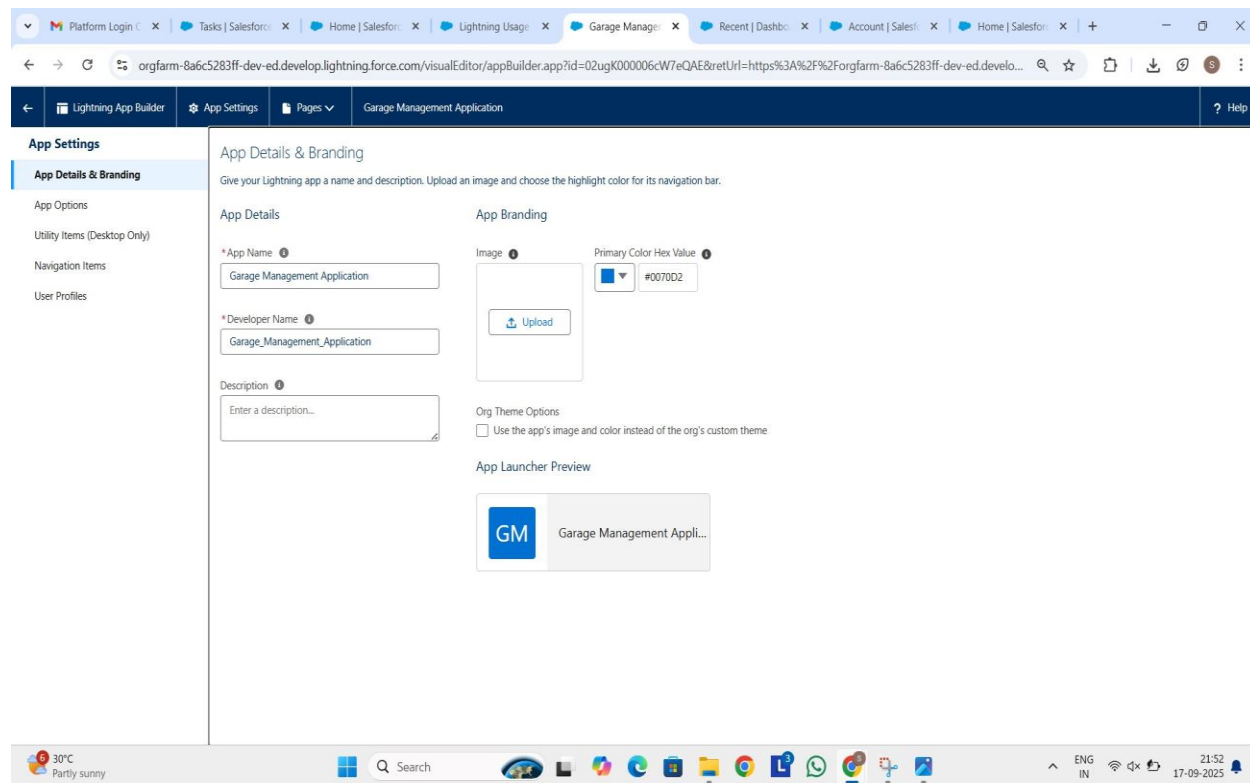
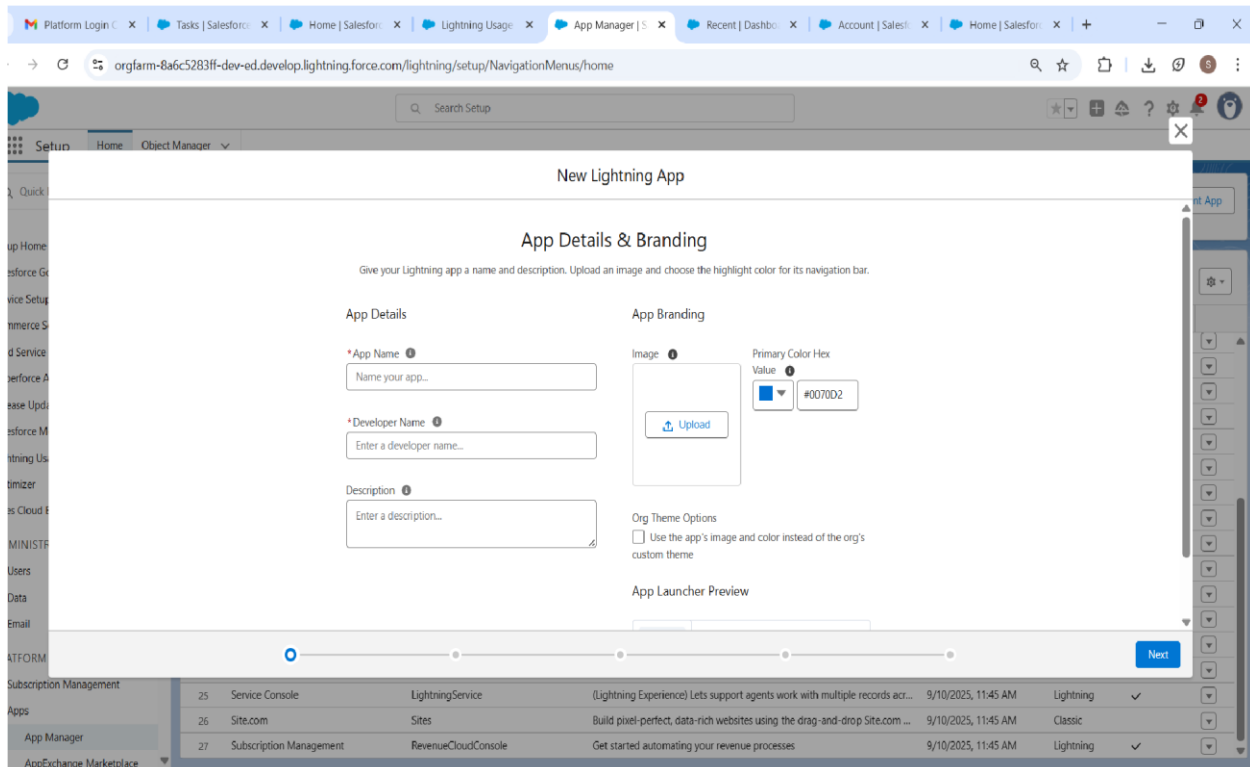
New Lightning App New External Client App

27 Items • Sorted by App Name • Filtered by All appmenuitems - TabSet Type, App Type

App Name ↑	Developer Name	Description	Last Modified Date	App Type	Visible L...
11 Digital Experiences	SalesforceCMS	Manage content and media for all of your sites.	9/10/2025, 11:45 AM	Lightning	✓
12 Garage Management Application	Garage_Management_Application		9/13/2025, 11:08 PM	Lightning	✓
13 Lightning Usage App	LightningInstrumentation	View Adoption and Usage Metrics for Lightning Experience	9/10/2025, 11:45 AM	Lightning	✓
14 Marketing CRM Classic	Marketing	Track sales and marketing efforts with CRM objects.	9/10/2025, 11:45 AM	Classic	✓
15 My Service Journey	MSIAApp	Discover new customer service capabilities.	9/10/2025, 11:45 AM	Lightning	✓
16 Platform	Platform	The fundamental Lightning Platform	9/10/2025, 11:45 AM	Classic	✓
17 Queue Management	QueueManagement	Create and manage queues for your business.	9/10/2025, 11:45 AM	Lightning	✓
18 Sales	Sales	The world's most popular sales force automation (SFA) solution	9/10/2025, 11:45 AM	Classic	✓
19 Sales	LightningSales	Manage your sales process with accounts, leads, opportunities, and more	9/10/2025, 11:45 AM	Lightning	✓
20 Sales Cloud Mobile	SalesCloudMobile	New seller focused mobile first experience	9/10/2025, 11:45 AM	Lightning	✓
21 Sales Console	LightningSalesConsole	(Lightning Experience) Lets sales reps work with multiple records on one s...	9/10/2025, 11:45 AM	Lightning	✓
22 Salesforce Chatter	Chatter	The Salesforce Chatter social network, including profiles and feeds	9/10/2025, 11:45 AM	Classic	✓
23 Salesforce Scheduler Setup	LightningScheduler	Set up personalized appointment scheduling.	9/10/2025, 11:49 AM	Lightning	✓
24 Service	Service	Manage customer service with accounts, contacts, cases, and more	9/10/2025, 11:45 AM	Classic	✓
25 Service Console	LightningService	(Lightning Experience) Lets support agents work with multiple records acr...	9/10/2025, 11:45 AM	Lightning	✓
26 Site.com	Sites	Build pixel-perfect, data-rich websites using the drag-and-drop Site.com ...	9/10/2025, 11:45 AM	Classic	✓
27 Subscription Management	RevenueCloudConsole	Get started automating your revenue processes	9/10/2025, 11:45 AM	Lightning	✓

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Platform Login | Tasks | Salesforce | Home | Salesforce | Lightning Usage | Garage Manager | Recent | Dashboard | Account | Salesforce | Home | Salesforce | +

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02ugK000006cW7eQAE&retUrl=https%3A%2F%2Fforfarm-8a6c5283ff-dev-ed.develo...

Lightning App Builder | App Settings | Pages | Garage Management Application | Help

### App Settings

- App Details & Branding
- App Options**
- Utility Items (Desktop Only)
- Navigation Items
- User Profiles

#### 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

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Platform Login | Tasks | Salesforce | Home | Salesforce | Lightning Usage | Garage Manager | Recent | Dashboard | Account | Salesforce | Home | Salesforce | +

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02ugK000006cW7eQAE&retUrl=https%3A%2F%2Fforfarm-8a6c5283ff-dev-ed.develo...

Lightning App Builder | App Settings | Pages | Garage Management Application | Help

### App Settings

- App Details & Branding
- App Options
- Utility Items (Desktop Only)**
- Navigation Items
- User Profiles

#### 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

Search...

- Standard (24)
  - Chatter Feed
  - Chatter Publisher
  - Connection Status
  - CRM Analytics Dashboard
  - Einstein Next Best Action
  - Flow
  - History
  - Invoice Preview
  - List View
  - LWC CRM Analytics Dashboard

that opens components in docked panels. Available only when the app is viewed in Lightning Experience on a desktop.

To enable the utility bar for this app, add a utility item.

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Platform Login | Tasks | Salesforce | Home | Salesforce | Lightning Usage | Garage Manager | Recent | Dashboard | Account | Salesforce | Home | Salesforce | +

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02ugK000006cW7eQAE&retUrl=https%3A%2F%2F0rgfarm-8a6c5283ff-dev-ed.develo...

Lightning App Builder | App Settings | Pages | Garage Management Application | Help

### App Settings

- App Details & Branding
- App Options
- Utility Items (Desktop Only)
- Navigation Items**
- User Profiles

#### Navigation Items

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.

Available Items

Q Type to filter list...

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

Selected Items

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

30°C Partly sunny | Search | ENG IN | 22:00 17-09-2025

Platform Login | Tasks | Salesforce | Home | Salesforce | Lightning Usage | Garage Manager | Recent | Dashboard | Account | Salesforce | Home | Salesforce | +

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02ugK000006cW7eQAE&retUrl=https%3A%2F%2F0rgfarm-8a6c5283ff-dev-ed.develo...

Lightning App Builder | App Settings | Pages | Garage Management Application | Help

### App Settings

- App Details & Branding
- App Options
- Utility Items (Desktop Only)
- Navigation Items
- User Profiles**

#### User Profiles

Choose the user profiles that can access this app.

Available Profiles

Q Type to filter list...

- Analytics Cloud Integration User
- Analytics Cloud Security User
- Anypoint Integration
- Authenticated Website
- Authenticated Website
- B2B Reordering Portal Buyer Profile
- Contract Manager
- Custom: Marketing Profile
- Custom: Sales Profile
- Custom: Support Profile
- Customer Community Login User
- Customer Community Plus Login User
- Customer Community Plus User

Selected Profiles

- System Administrator
- Manager
- Sales Person

javascript:void(0); | 30°C Partly sunny | Search | ENG IN | 22:01 17-09-2025

Implemented flow for billing details and feedback:

Platform | Tasks | Home | Lightning | Flows | Flows | Flows | billing | Recent | Account | Home

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/builder\_platform\_interaction/flowBuilder.app?flowId=301gK00000KCR5IQAH

Flow Builder | billing amount flow - V1

Last saved on 9/14/2025, 06:12 PM Active Run Debug View Tests Save As New Version Save Deactivate

Select Elements

Record-Triggered Flow Start

Object: Billing details and feedback Edit

Trigger: A record is created or updated

Optimize for: Actions and Related Recor...

+ Add Scheduled Paths (Optional)

Open Flow Trigger Explorer for Billing ...

Run Immediately

Amount Update Update Records

Email Alert Action

End

30°C Partly sunny

Search

ENG IN 22:07 17-09-2025

Platform | Tasks | Home | Lightning | Flows | Flows | Flows | billing | Recent | Account | Home

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/builder\_platform\_interaction/flowBuilder.app?flowId=301gK00000KCR5IQAH

Flow Builder | billing amount flow - V1

Last saved on 9/14/2025, 06:12 PM Active Run Debug View Tests Save As New Version Save Deactivate

Select Elements

Record-Triggered Flow Start

Object: Billing details and feedback Edit

Trigger: A record is created or updated

Optimize for: Actions and Related Recor...

+ Add Scheduled Paths (Optional)

Open Flow Trigger Explorer for Billing ...

Run Immediately

Amount Update Update Records

Email Alert Action

End

Update Records

\*Label Amount Update \*API Name Amount\_Update

Description

\*How to Find Records to Update and Set Their Values

☒ Use the billing details and feedback record that triggered the flow

☐ Update records related to the billing details and feedback record that triggered the flow

☐ Use the IDs and all field values from a record or record collection

☐ Specify conditions to identify records, and set fields individually

Set Filter Conditions

Condition Requirements to Update Record

All Conditions Are Met (AND)

Field Payment Status Operator Equals Value Completed

+ Add Condition

Set Field Values for the Billing details and feedback Record

Field Payment Paid Value ...vice records > Appointment > Service Amount

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Search

ENG IN 22:09 17-09-2025

The screenshot shows the Salesforce Flow Builder interface. The flow is titled "billing amount flow - V1". It is a "Record-Triggered Flow" for the object "Billing details and feedback". The trigger is "A record is created or updated". The flow steps are: "Run Immediately" (Start), "Amount Update" (Update Records), "Email Alert" (Action), and "End". The "Email Alert" action is highlighted, and its configuration panel is open on the right. The configuration panel shows the following fields: "Label" (Email Alert), "API Name" (Email\_Alert), "Description" (empty), "Configure Recipient Details" (expanded), "Recipient Address List" (Appointment > Customer Details > Gmail), "Recipient Address Collection" (empty), and "CC Recipient Address List" (empty).

## Created Apex Class:

The screenshot shows the Salesforce Setup page for Apex Classes. The page title is "Apex Classes". Below the title, there is a message: "Apex Code is an object oriented programming language that allows developers to develop on-demand business applications on the Lightning Platform." Below this, there is a green checkmark icon and a message: "Percent of Apex Used: 0.02% You are currently using 1,284 characters of Apex Code (excluding comments and @IsTest annotated classes) in your organization, out of an allowed limit of 6,000,000 characters. Note that the amount in use includes both Apex Classes and Triggers defined in your organization." Below this, there is a link to "Estimate your organization's code coverage". Below the link, there is a table of Apex Classes. The table has columns: Action, Name, Namespace Prefix, Api Version, Status, Size Without Comments, Last Modified By, and Has Trace Flags. The table contains one record: "AmountDistributionHandler" with Namespace Prefix "Amount", Api Version "64.0", Status "Active", Size Without Comments "1,069", Last Modified By "Sameena S.", and Last Modified By "9/14/2025, 6:19 AM". Below the table, there is a section for "Dynamic Apex Classes" with a message: "Dynamic Apex extends your programming reach by interacting with Lightning Platform components." Below this, there is a table of Dynamic Apex Classes with columns: Class Name, Namespace Prefix, Api Version, Created By, and Last Modified By. The table is empty.

Action	Name	Namespace Prefix	Api Version	Status	Size Without Comments	Last Modified By	Has Trace Flags
<a href="#">Edit</a> <a href="#">Del</a> <a href="#">Security</a>	AmountDistributionHandler	Amount	64.0	Active	1,069	Sameena S., 9/14/2025, 6:19 AM	<input type="checkbox"/>

Platform | Tasks | Home | Lightning | Flows | Flows | Flows | Apex Cl | Recent | Account | Home

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/setup/ApexClasses/page?address=%2F01pgK000005SuHJ

Search Setup

Setup Home Object Manager

Q ape

- Email
  - Apex Exception Email
- Custom Code
  - Apex Classes
  - Apex Settings
  - Apex Test Execution
  - Apex Test History
  - Apex Triggers
- Environments
  - Jobs
    - Apex Flex Queue
    - Apex Jobs

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

### Apex Classes

Apex Class Detail

Name: AmountDistributionHandler | Edit | Delete | Download | Security | Show Dependencies

Namespace Prefix: | Status: Active

Created By: Sameena.S. | 9/14/2025, 6:01 AM | Code Coverage: 0% (0/16)

Last Modified By: Sameena.S. | 9/14/2025, 6:19 AM

Class Body | Class Summary | Version Settings | Trace Flags

```
1 public class AmountDistributionHandler {
2
3     public static void amountDist(List<Appointment__c> listApp) {
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             } else if (app.Maintenance_Service__c == true && app.Repairs__c == true) {
8                 app.Service_Amount__c = 5000;
9             } else if (app.Maintenance_Service__c == true && app.Replacement_Parts__c == true) {
10                 app.Service_Amount__c = 8000;
11             } else if (app.Repairs__c == true && app.Replacement_Parts__c == true) {
12                 app.Service_Amount__c = 7000;
13             } else if (app.Maintenance_Service__c == true) {
14                 app.Service_Amount__c = 2000;
15             } else if (app.Repairs__c == true) {
16                 app.Service_Amount__c = 3000;
17             } else if (app.Replacement_Parts__c == true) {
18                 app.Service_Amount__c = 5000;
19             }
20         }
21     }
22 }
```

## Created Triggers:

Platform | Tasks | Home | Lightning | Flows | Flows | Flows | Apex Tr | Recent | Account | Home

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/setup/ApexTriggers/home

Search Setup

Setup Home Object Manager

Q ape

- Email
  - Apex Exception Email
- Custom Code
  - Apex Classes
  - Apex Settings
  - Apex Test Execution
  - Apex Test History
  - Apex Triggers
- Environments
  - Jobs
    - Apex Flex Queue
    - Apex Jobs

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

### Apex Triggers

This page allows you to view and modify all the triggers in your organization. To create a new trigger, navigate to the appropriate sObject triggers page.

Percent of Apex Used: 0.02%  
You are currently using 1,284 characters of Apex Code (excluding comments and @isTest annotated classes) in your organization, out of an allowed limit of 6,000,000 characters. Note that the amount in use includes both Apex Classes and Triggers defined in your organization.

Compile all triggers | View: All | Create New View

Action	Name	Namespace Prefix	sObject Type	Api Version	Status	Size Without Comments	Last Modified By	Has Trace Flags
Edit   Del	AmountDistribution		Appointment	64.0	Active	215	Sameena.S. 9/14/2025, 6:21 AM	<input type="checkbox"/>



Platform x Tasks x Home x Lightning x Flows x Flows x Flows x Apex Triggers x Recent x Account x Home x

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/setup/ApexTriggers/page?address=%2F01qgK000002BnHB

Setup Home Object Manager

Q Search Setup

Q ape

Email

Apex Exception Email

Custom Code

Apex Classes

Apex Settings

Apex Test Execution

Apex Test History

Apex Triggers

Environments

Jobs

Apex Flex Queue

Apex Jobs

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

### SETUP Apex Triggers

Apex Trigger AmountDistribution [Help for this Page](#)

Apex Trigger Detail

Name AmountDistribution Edit Delete Download Show Dependencies

Code Coverage 0% (0/2) sObject Type Appointment Status Active

Created By Sameena S. 9/14/2025, 6:02 AM Last Modified By Sameena S. 9/14/2025, 6:21 AM

Namespace Prefix

Apex Trigger Version Settings Trace Flags

```
1 trigger AmountDistribution on Appointment _c (before insert, before update) {
2   if ((Trigger.isBefore && (Trigger.isInsert || Trigger.isUpdate)) {
3     AmountDistributionHandler.amountChat (Trigger.new);
4   }
5 }
```

Edit Delete Download Show Dependencies

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Search

ENG IN 22:15 17-09-2025

## Created Public Groups:

Platform x Tasks x Home x Lightning x Flows x Flows x Flows x Public Groups x Recent x Account x Home x

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/setup/PublicGroups/home

Setup Home Object Manager

Q Search Setup

Q public group

Users

Public Groups

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

### SETUP Public Groups

Public Groups [Help for this Page](#)

A public group is a set of users. It can contain individual users, other groups, the users in a particular role or territory, or the users in a role or territory plus all of the users below that role or territory in the hierarchy.

View: All Edit Create New View

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other All

Action	Label	Group Name	Created By	Created Date
Edit   Del	sales team	sales_team	S. Sameena	9/14/2025, 1:15 AM

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Search

ENG IN 22:17 17-09-2025

Screenshot of the Salesforce Setup page for the 'sales person' role. The page shows the role details, including the role name, role name as displayed on reports, and sharing groups. It also lists the users assigned to the role, including Babekah Johnson and Elijah Smith.

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: Kg College Of Arts and Science » Manager » sales person

Users in sales person Role (2)

Role Detail

Label	sales person	Role Name	sales person
This role reports to	Manager	Role Name as displayed on reports	
Modified By	Sameena S, 9/14/2025, 12:40 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	Babekah Johnson	rbjohn	sam327004@gmail.com	✓
Edit	Elijah Smith	esmit	sarvusami@gmail.com	✓

## Custom Report Types:

Screenshot of the Salesforce Setup page for the Custom Report Type 'Service information'. The page shows the service information, including the display label, API name, description, created by, store in category, deployment status, and modified by. It also shows the fields included in the report type, such as Customer Details, Appointments, Service records, and Billing details and feedback.

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

Field	Value
Display Label	Service information
API Name	Service_information
Description	Service information
Created By	Sameena S, 9/14/25, 7:05 PM
Store in Category	other
Deployment Status	Deployed
Modified By	Sameena S, 9/14/25, 7:05 PM

Fields

Source Object	Included Fields
Customer Details	9
Appointments	13
Service records	10
Billing details and feedback	10

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)

## Dashboard:

Platform Login Cred... x Tasks | Salesforce x Recent | Dashboards x Home | Salesforce x Lightning Usage | S... x Flows | Salesforce x Flows | Salesforce x + -

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/o/Dashboard/home?queryScope=mru

Search...

Sales Home Opportunities Leads Tasks Files Accounts Contacts Campaigns Dashboards Reports Chatter Groups Calendar People Cases Forecasts

Dashboards

Recent

1 item

Q Search recent dashboards... New Dashboard New Folder

DASHBOARDS	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Customer Review		Service Rating dashboard	Sameena S	9/16/2025, 11:51 PM	
Created by Me						
Private Dashboards						
All Dashboards						
FOLDERS						
All Folders						
Created by Me						
Shared with Me						
FAVORITES						
All Favorites						

To Do List

30°C Partly sunny

Search

ENG IN 22:29 17-09-2025

Platform Login Cred... x Tasks | Salesforce x Customer Review | x Home | Salesforce x Lightning Usage | S... x Flows | Salesforce x Flows | Salesforce x + -

orgfarm-8a6c5283ff-dev-ed.develop.lightning.force.com/lightning/r/Dashboard/01ZgK000003mqc5UAA/view?queryScope=userFolders

Search...

Sales Home Opportunities Leads Tasks Files Accounts Contacts Campaigns Dashboards Reports Chatter Groups Calendar People Cases Forecasts

Customer Review

+ Widget + Filter Save Done

New Service information Report

We can't draw this chart because there is no data.

View Report (New Service information Report)

Add Filter

\* Select Field to Filter By (Required)

Appointment Date

1 equivalent field

Display Name

Appointment Date

Filter Values (0)

1 New Filter Value

Add Filter Value

Operator

equals

Date Type

Calendar

Value

Pick a date

Add More Date

Display Text

New Filter Value

Cancel Apply

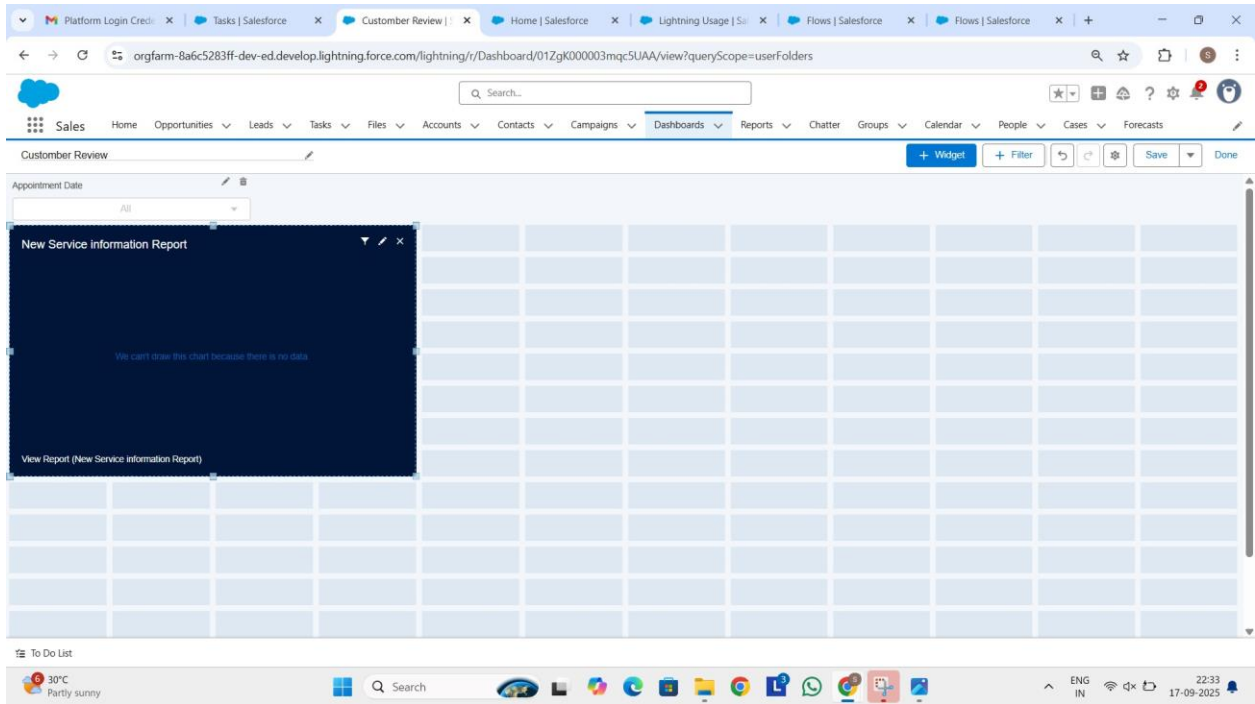
Cancel Add

To Do List

30°C Partly sunny

Search

ENG IN 22:31 17-09-2025



## **Advantages:**

### **Improved Efficiency:**

Automates job cards, billing, and inventory, reducing manual workload.

### **Better Customer Service:**

Stores service history, sends reminders, and ensures timely updates.

### **Accurate Billing:**

Reduces errors in labor charges, parts costs, and taxes.

### **Inventory Control:**

Tracks spare parts availability and prevents stockouts or overstocking.

### **Data Management & Reporting:**

Provides detailed reports on jobs, revenue, and performance.

## **Disadvantages:**

### **Initial Setup Cost:**

Purchasing or developing the system can be expensive.

**System Dependency:**

Heavy reliance on the software may cause disruptions if technical issues occur.

**Maintenance & Updates:**

Requires regular software updates and possible IT support.

**Data Security Risks:**

Sensitive customer and financial data must be properly secured.

**Internet/Power Dependency:**

Cloud-based or online systems may face downtime without connectivity.

**Conclusion:**

The Garage Management System (GMS) plays a vital role in modernizing and streamlining the operations of automotive repair facilities. By automating job scheduling, inventory tracking, billing, and customer communication, it enhances efficiency, accuracy, and service quality. While the system may require initial investment, training, and ongoing maintenance, the long-term benefits—such as improved customer satisfaction, optimized resource management, and increased profitability—far outweigh the challenges. Overall, GMS provides a reliable and effective solution for garages to stay competitive in the rapidly evolving automotive service industry.

**Appendix:**

**Source code:** Apex class and triggers

**Apex classes:** AmountDistributionHandler

```

public class AmountDistributionHandler {

    public static void amountDist(List<Appointment__c> listApp) {
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;
            }
        }
    }
}

```

### **Apex Triggers:** AmountDistribution

```

trigger AmountDistribution on Appointment__c (before insert, before
update) {
    if (Trigger.isBefore && (Trigger.isInsert || Trigger.isUpdate)) {

```



```
AmountDistributionHandler.amountDist(Trigger.new);
```

```
}
```

```
}
```