

GARAGE MANAGEMENT SYSTEM

COLLEGE NAME : United College of Arts and Science

College code : bubrl

TEAM ID : NM2025TMID27821

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1.INTRODUCTION

A Garage Management System is a modern software solution developed to automate and streamline the daily operations of automobile garages and service centers. Traditionally, garages rely on manual record-keeping for customer details, vehicle service history, spare parts inventory, and billing processes. While this approach may work for small-scale garages, it often results in challenges such as misplaced records, human errors, longer service times, and poor customer satisfaction. With the continuous growth of the automobile industry and the increasing number of vehicles on the road, the workload of garages has expanded significantly, creating the need for a reliable and efficient digital system. A Garage Management System addresses these issues by integrating essential functions such as vehicle tracking, customer management, inventory control, automated billing, and employee task monitoring into a single platform. This allows garages to save time, reduce paperwork, improve service accuracy, and maintain transparency with customers. For customers, the system provides clear communication regarding service updates, costs, and expected delivery times, which enhances trust and loyalty. For garage owners and staff, it offers better productivity, improved data management, and easy access to service history and reports. Overall, a Garage Management System represents a crucial step toward modernization and professional service delivery.

1.1.PROJECT REVIEW

The Garage Management System project focuses on creating a digital platform to simplify and organize the operations of an automobile service center. Traditional garages often face issues such as misplaced records, calculation errors, and time delays due to manual processes. This project addresses these problems by integrating key functions like customer and vehicle management, service history tracking, inventory monitoring, and automated billing into a single system. It ensures better accuracy, reduces paperwork, and saves time for both staff and customers. The system also helps maintain transparency, as customers can clearly view service costs and updates. Overall, the project demonstrates how automation can improve efficiency, enhance customer satisfaction, and support the smooth functioning of garage services.

1.2. PURPOSE

The purpose of the Garage Management System is to provide an efficient, reliable, and organized way of handling the daily activities of a garage or automobile service center. The system is designed to replace traditional manual methods, which are often time-consuming, error-prone, and difficult to manage as customer demands grow. By introducing automation, the project aims to simplify tasks such as recording customer details, tracking vehicle services, managing spare parts inventory, and generating accurate bills. It also seeks to improve communication between the garage staff and customers, ensuring transparency and faster service. Ultimately, the purpose of this project is to enhance productivity, reduce paperwork, and deliver a more professional and customer-friendly service environment.

DEVELOPMENT PHASE :

Creating Developer Account : <https://developer.salesforce.com/signup>

Garage management document x Student x Hurray! Your Team Has Success x Developer Edition with Agentf x +

salesforce.com/form/developer-signup/?d=pb

Verify it's you

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

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- ✓ Integrate with anything using APIs

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First name Last name

Dharini G

Job title Work email

Developer dharu29005@gmail.com

Company Country/Region

Salesforce India

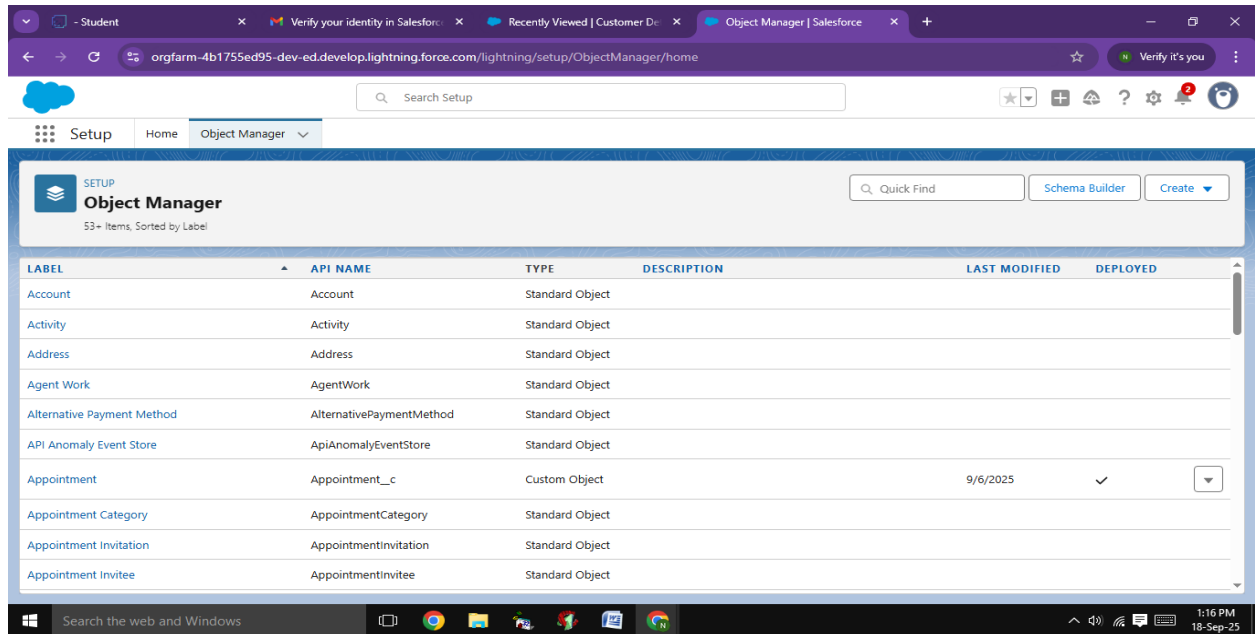
Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

☒ 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.

Search the web and Windows

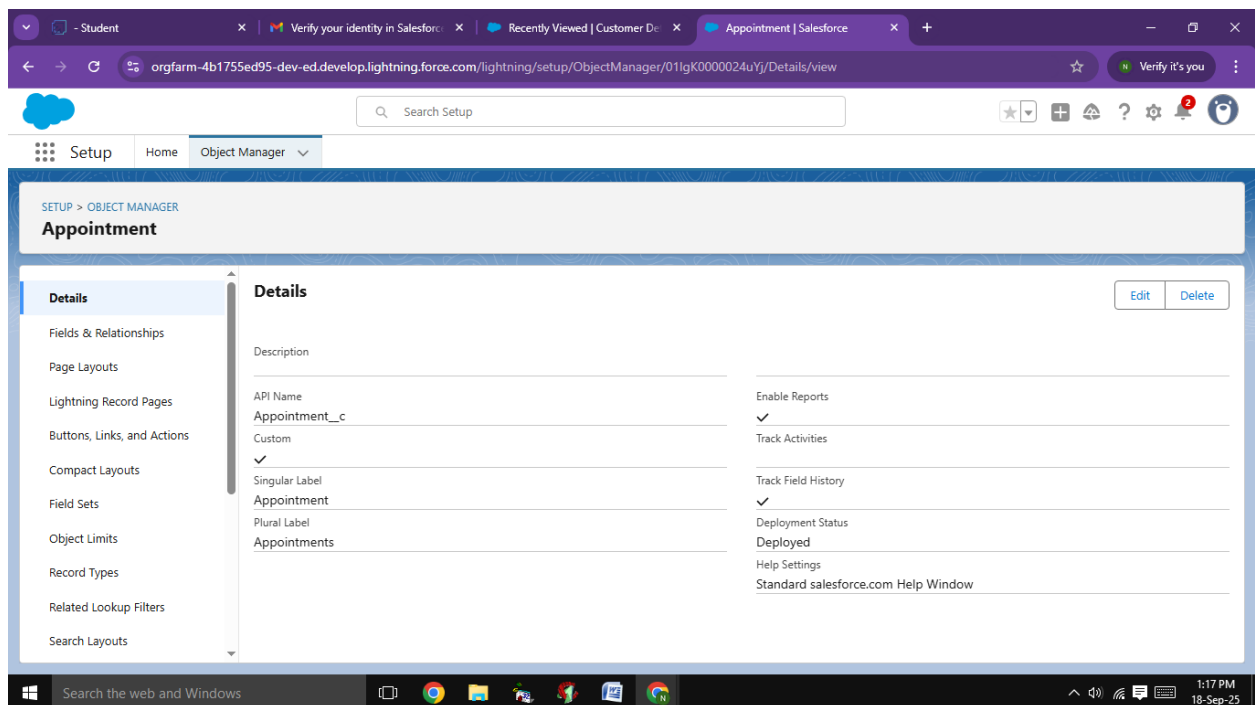
1:06 PM 18-Sep-25

Created Object : Customer Details, Appointment, Service Records Object, Billing details and Feedback Object.



The screenshot shows the Salesforce Object Manager interface. The browser address bar displays the URL: `orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/home`. The page header includes a search bar and navigation links for Setup, Home, and Object Manager. The main content area shows a list of objects with columns: LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED. The 'Appointment' object is highlighted, showing it is a Custom Object created on 9/6/2025 and is deployed.

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		9/6/2025	✓
Appointment Category	AppointmentCategory	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			



The screenshot shows the Salesforce Appointment object details page. The browser address bar displays the URL: `orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gK0000024uYj/Details/view`. The page header includes a search bar and navigation links for Setup, Home, and Object Manager. The main content area shows the details for the 'Appointment' object, including a description, API Name, and various settings.

Appointment

Details

Description

API Name: Appointment__c

Custom: ✓

Singular Label: Appointment

Plural Label: Appointments

Enable Reports: ✓

Track Activities: ✓

Track Field History: ✓

Deployment Status: Deployed

Help Settings: Standard salesforce.com Help Window

Browser tabs: Student, Verify your identity in Salesforce, Recently Viewed | Customer D..., Customer Details | Salesforce

Address bar: orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK0000024uVV/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Customer Details

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

Details

Description

API Name
Customer_Details__c

Custom

Singular Label
Customer Details

Plural Label
Customer Details

Enable Reports
✓

Track Activities

Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window

Edit Delete

https://orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/one/oneapp#/s/...

Search the web and Windows

1:17 PM 18-Sep-25

Browser tabs: Student, Verify your identity in Salesforce, Recently Viewed | Customer D..., Service records | Salesforce

Address bar: orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK0000024ubx/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

Service records

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

Details

Description

API Name
Service_records__c

Custom

Singular Label
Service records

Plural Label
Service records

Enable Reports
✓

Track Activities

Track Field History
✓

Deployment Status
Deployed

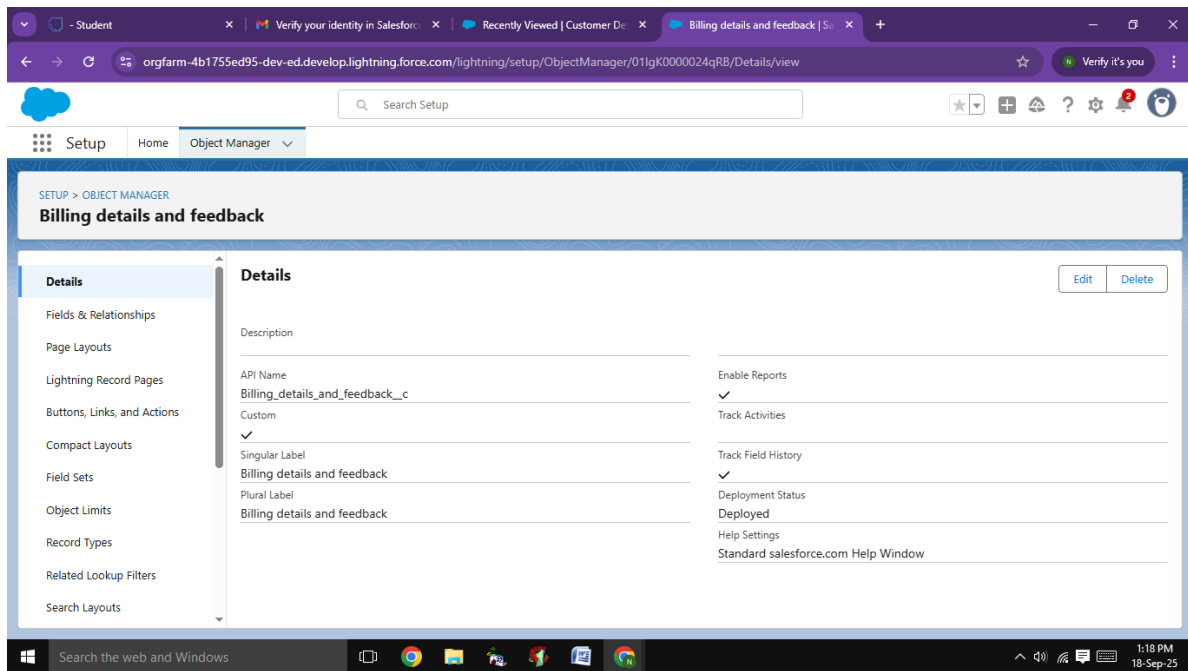
Help Settings
Standard salesforce.com Help Window

Edit Delete

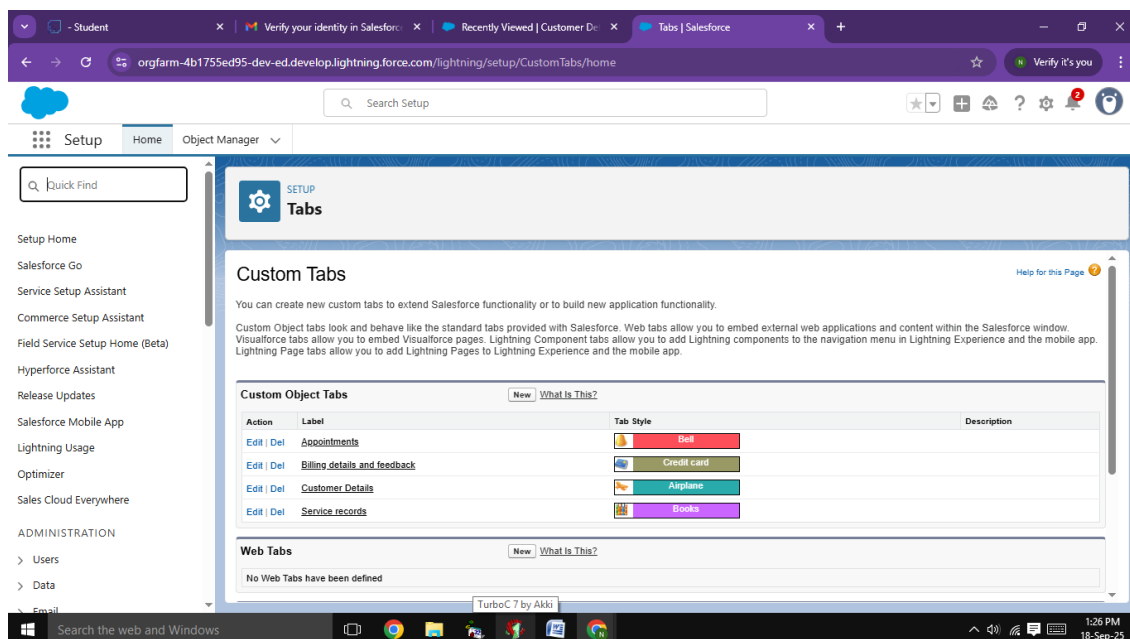
https://orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/one/oneapp#/s/...

Search the web and Windows

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Created Tabs : Customer Details, Appointment, Service Records Object, Billing details and Feedback Object.



orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/CustomTabs/page?address=%2F01rgK00000FF0I3%3Fsetupid%3DCustomTabs

Setup Home Object Manager

Search Setup

validat

Objects and Fields

Object Manager

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

SETUP Tabs

Custom Object Tab

Appointments

Below is the information for the custom tab. Click Edit to change the custom tab.

Custom Tab Definition Detail

Tab Label	Appointments	Tab Style	Bill
Object	Appointment	Splash Page Custom Link	
Description			
Created By	garage_management 9/6/2025, 9:18 AM	Modified By	garage_management 9/6/2025, 9:18 AM

Search the web and Windows

1:29 PM 18-Sep-25

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/CustomTabs/page?address=%2F01rgK00000FEwzw%3Fsetupid%3DCustomTabs

Setup Home Object Manager

Quick Find

Setup Home

Salesforce Go

Service Setup Assistant

Commerce Setup Assistant

Field Service Setup Home (Beta)

Hyperforce Assistant

Release Updates

Salesforce Mobile App

Lightning Usage

Optimizer

Sales Cloud Everywhere

ADMINISTRATION

> Users

> Data

SETUP Tabs

Custom Object Tab

Billing details and feedback

Below is the information for the custom tab. Click Edit to change the custom tab.

Custom Tab Definition Detail

Tab Label	Billing details and feedback	Tab Style	Credit card
Object	Billing details and feedback	Splash Page Custom Link	
Description			
Created By	garage_management 9/6/2025, 9:20 AM	Modified By	garage_management 9/6/2025, 9:20 AM

Search the web and Windows

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Browser tabs: - Student, Verify your identity in Salesforce, Recently Viewed | Customer D..., Tabs | Salesforce

Address bar: orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/CustomTabs/page?address=%2F01rgK00000FEYEA%3Fsetupid%3DCustomTabs

Search Setup

Setup Home, Salesforce Go, Service Setup Assistant, Commerce Setup Assistant, Field Service Setup Home (Beta), Hyperforce Assistant, Release Updates, Salesforce Mobile App, Lightning Usage, Optimizer, Sales Cloud Everywhere, ADMINISTRATION, > Users, > Data

SETUP Tabs

Custom Object Tab
Customer Details [Help for this Page](#)

Below is the information for the custom tab. Click Edit to change the custom tab.

Custom Tab Definition Detail [Edit](#) [Delete](#)

Tab Label	Customer Details	Tab Style	Airplane
Object	Customer Details	Splash Page Custom Link	
Description			
Created By	garage.management	Modified By	garage.management
	9/6/2025, 9:17 AM		9/6/2025, 9:17 AM

javascriptsrcUp(%27%2F01rgK00000FEYEA%3Fsetupid%3DCustomTabs%26isdt%3Dp1%27);

Search the web and Windows

1:29 PM 18-Sep-25

Browser tabs: - Student, Verify your identity in Salesforce, Recently Viewed | Customer D..., Tabs | Salesforce

Address bar: orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/CustomTabs/page?address=%2F01rgK00000FF50L%3Fsetupid%3DCustomTabs

Search Setup

Setup Home, Salesforce Go, Service Setup Assistant, Commerce Setup Assistant, Field Service Setup Home (Beta), Hyperforce Assistant, Release Updates, Salesforce Mobile App, Lightning Usage, Optimizer, Sales Cloud Everywhere, ADMINISTRATION, > Users, > Data

SETUP Tabs

Custom Object Tab
Service records [Help for this Page](#)

Below is the information for the custom tab. Click Edit to change the custom tab.

Custom Tab Definition Detail [Edit](#) [Delete](#)

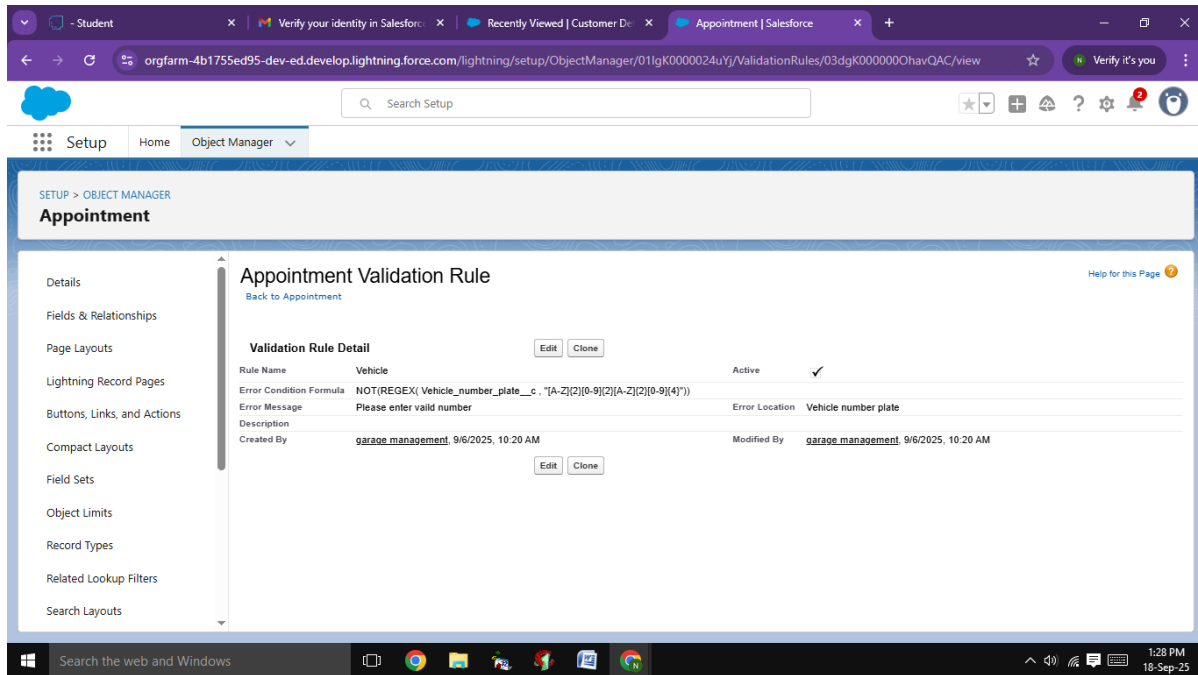
Tab Label	Service records	Tab Style	Books
Object	Service records	Splash Page Custom Link	
Description			
Created By	garage.management	Modified By	garage.management
	9/6/2025, 9:19 AM		9/6/2025, 9:19 AM

javascriptsrcUp(%27%2F01rgK00000FF50L%3Fsetupid%3DCustomTabs%26isdt%3Dp1%27);

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Creating Validation Rules :



The screenshot shows the Salesforce Setup interface for creating a validation rule for the 'Appointment' object. The left sidebar lists various setup options, and the main area displays the 'Appointment Validation Rule' details.

Appointment Validation Rule

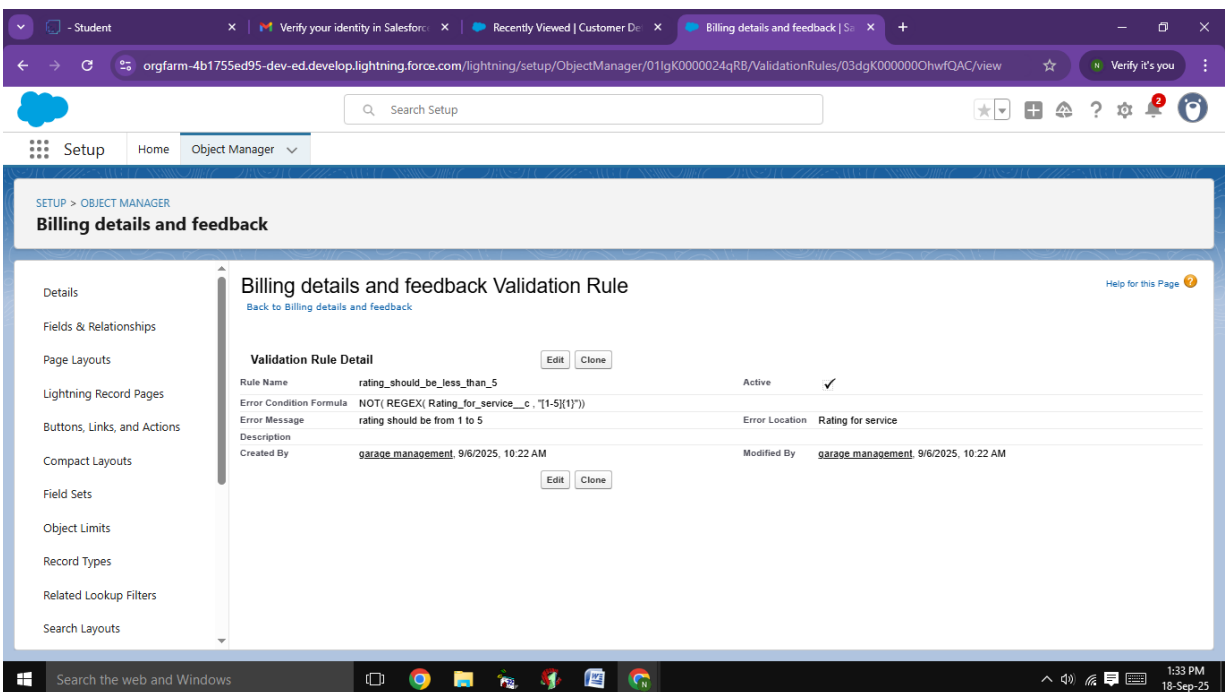
[Back to Appointment](#)

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	Vehicle	Active	<input checked="" type="checkbox"/>
Error Condition Formula	NOT(REGEX(Vehicle_number_plate__c , "[A-Z]{2}[0-9]{2}[A-Z]{2}[0-9]{4}"))		
Error Message	Please enter valid number	Error Location	Vehicle number plate
Description			
Created By	garage.management	Modified By	garage.management

[Edit](#) [Clone](#)

Created: 9/6/2025, 10:20 AM



The screenshot shows the Salesforce Setup interface for creating a validation rule for the 'Billing details and feedback' object. The left sidebar lists various setup options, and the main area displays the 'Billing details and feedback Validation Rule' details.

Billing details and feedback Validation Rule

[Back to Billing details and feedback](#)

Validation Rule Detail [Edit](#) [Clone](#)

Rule Name	rating_should_be_less_than_5	Active	<input checked="" type="checkbox"/>
Error Condition Formula	NOT(REGEX(Rating_for_service__c , "[1-5]{1}"))		
Error Message	rating should be from 1 to 5	Error Location	Rating for service
Description			
Created By	garage.management	Modified By	garage.management

[Edit](#) [Clone](#)

Created: 9/6/2025, 10:22 AM

Student x Verify your identity in Salesforce: x Recently Viewed | Customer D Duplicate Rules | Salesforce x +

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/DuplicateRules/home

Search Setup

Setup Home Object Manager

dupl

Data

Duplicate Management

Duplicate Error Logs

Duplicate Rules

Matching Rules

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

Duplicate Rules

All Duplicate Rules

What Are Duplicate Rules? [Expand]

View: All Duplicate Rules

Rule Name	Description	Object	Matching Rule	Active	Last Modified By	Last Modified Date
Customer Detail duplicate		Customer Details	Matching customer details	✓ dha		9/6/2025
Standard Account Duplicate Rule	Identify accounts that duplicate other accounts.	Account	Standard Account Matching Rule	✓ OEPIG		9/1/2025
Standard Contact Duplicate Rule	Identify contacts that duplicate other contacts and leads.	Contact	Standard Lead Matching Rule Standard Contact Matching Rule	✓ OEPIG		9/1/2025
Standard Lead Duplicate Rule	Identify leads that duplicate other leads and contacts.	Lead	Standard Lead Matching Rule Standard Contact Matching Rule	✓ OEPIG		9/1/2025

Search the web and Windows

1:36 PM 18-Sep-25

Student x Verify your identity in Salesforce: x Recently Viewed | Customer D Matching Rules | Salesforce x +

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/MatchingRules/home

Search Setup

Setup Home Object Manager

dupl

Data

Duplicate Management

Duplicate Error Logs

Duplicate Rules

Matching Rules

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

Matching Rules

All Matching Rules

What Are Matching Rules? [Expand]

View: All Matching Rules Create New View

Action	Rule Name	Object	Status	Description	Last Modified Date	Last Modified By
Deactivate	Matching customer details	Customer Details	Active		9/6/2025	dha
Deactivate	Standard Account Matching Rule	Account	Active	Matching rule for account records. More info	9/1/2025	OEPIG
Deactivate	Standard Contact Matching Rule	Contact	Active	Matching rule for contact records. More info	9/1/2025	OEPIG
Deactivate	Standard Lead Matching Rule	Lead	Active	Matching rule for lead records. More info	9/1/2025	OEPIG

Search the web and Windows

1:36 PM 18-Sep-25

Student | Verify your identity in Salesforce | Recently Viewed | Customer D... | Flows | Salesforce

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/Flows/home

Search Setup

Setup Home | Home | Object Manager

Quick Find

Setup Home

Salesforce Go

Service Setup Assistant

Commerce Setup Assistant

Field Service Setup Home (Beta)

Hyperforce Assistant

Release Updates

Salesforce Mobile App

Lightning Usage

Optimizer

Sales Cloud Everywhere

ADMINISTRATION

> Users

> Data

SETUP

Flows

Flow Definitions

All Flows

50+ items • Sorted by Flow Label • Filtered by All flow definitions • Updated a few seconds ago

Flow Label	Process Type	Acti...	Te...	Package State	Pac...	Las...	Las...
Add or Modify Service Appointment Attendees	Salesforce Scheduler Flow			Managed-Installed			<input type="checkbox"/>
Approvals Workflow: Evaluate Approval Requests	Screen Flow			Managed-Installed			<input type="checkbox"/>
Approvals Workflow: Process Approval Submission	Screen Flow			Managed-Installed			<input type="checkbox"/>
Authentication Provider User Registration	Identity User Registration Flow			Managed-Installed			<input type="checkbox"/>
Basic Approval Request	Flow Orchestration for CMS			Managed-Installed			<input type="checkbox"/>
Book Appointment from Invitation	Salesforce Scheduler Flow			Managed-Installed			<input type="checkbox"/>
Cancel Item Flow	Screen Flow			Managed-Installed			<input type="checkbox"/>
Change Case Owner to Incident Owner	Screen Flow			Managed-Installed			<input type="checkbox"/>
Chats Routed to Agents and Queues	Omni-Channel Flow			Managed-Installed			<input type="checkbox"/>

Search the web and Windows

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Student | Verify your identity in Salesforce | Recently Viewed | Customer D... | Users | Salesforce

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/ManageUsers/home

Search Setup

Setup Home | Home | Object Manager

Quick Find

Setup Home

Salesforce Go

Service Setup Assistant

Commerce Setup Assistant

Field Service Setup Home (Beta)

Hyperforce Assistant

Release Updates

Salesforce Mobile App

Lightning Usage

Optimizer

Sales Cloud Everywhere

ADMINISTRATION

> Users

> Data

SETUP

Users

All Users

On this page you can create, view, and manage users.

To get more licenses, use the Your Account app. [Let's Go](#)

View: All Users | 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

New User | Reset Password(s) | Add Multiple Users

Action	Full Name	Alias	Username	Role	Active	Profile
<input type="checkbox"/> Edit	Chatter Expert	Chatter	chatty.00d0k0000aalkduar.zqao34dvbfy@chatter.salesforce.com		✓	Chatter Free User
<input type="checkbox"/> Edit	EPIC_OroFarm	OEPIC	epic.59a5714e8261@orgfarm.salesforce.com		✓	System Administrator
<input type="checkbox"/> Edit	James Nick	kiam	nick889@gmail.com	sales person	✓	sales person
<input type="checkbox"/> Edit	Mam Anu	amam	anumam156@gmail.com	sales person	✓	sales person
<input type="checkbox"/> Edit	managemet garage	dha	dhanu29005791@agentforce.com		✓	System Administrator
<input type="checkbox"/> Edit	Mikaelson Niklaus	nmika	dhanu29005@gmail.com	Manager	✓	Manager
<input type="checkbox"/> Edit	User Integration	integ	integration@00d0k0000aalkduar.com		✓	Analytics Cloud Integration User
<input type="checkbox"/> Edit	User Security	sec	insightssecurity@00d0k0000aalkduar.com		✓	Analytics Cloud Security User

Search the web and Windows

1:39 PM 18-Sep-25

Student x Verify your identity in Salesforce x Recently Viewed | Customer D x Sharing Settings | Salesforce x +

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/SecuritySharing/home

Search Setup

Setup Home Object Manager

Q sharing

Security

Guest User Sharing Rule Access Report

Sharing Settings

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

Sharing Settings

This page displays your organization's sharing settings. These settings specify the level of access your users have to each others' data. Go to [Background Jobs](#) to monitor the progress of a change to an organization-wide default or a parallel sharing recalculation.

Manage sharing settings for: All Objects

Disable External Sharing Model

Default Sharing Settings

Organization-Wide Defaults

Object	Default Internal Access	Default External Access	Grant Access Using Hierarchies
Lead	Public Read/Write/Transfer	Private	✓
Account and Contract	Public Read/Write	Private	✓
Contact	Controlled by Parent	Controlled by Parent	✓
Order	Controlled by Parent	Controlled by Parent	✓
Asset	Controlled by Parent	Controlled by Parent	✓
Opportunity	Public Read/Write	Private	✓
Case	Public Read/Write/Transfer	Private	✓

Organization-Wide Defaults Help

Student x Verify your identity in Salesforce x Recently Viewed | Customer D x Roles | Salesforce x +

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home

Search Setup

Setup Home Object Manager

Q role

Users

Roles

Feature Settings

Sales

Contact Roles on Contracts

Contact Roles on Opportunities

Service

Case Teams

Case Team Roles

Contact Roles on Cases

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

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

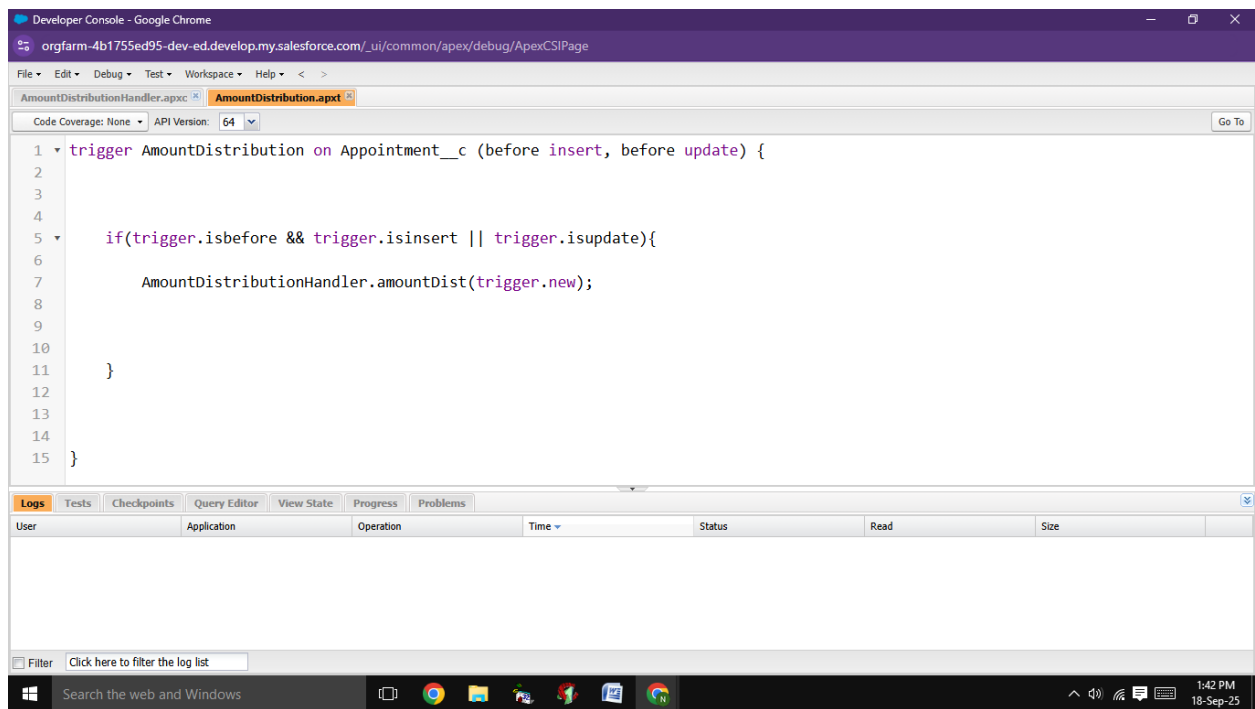
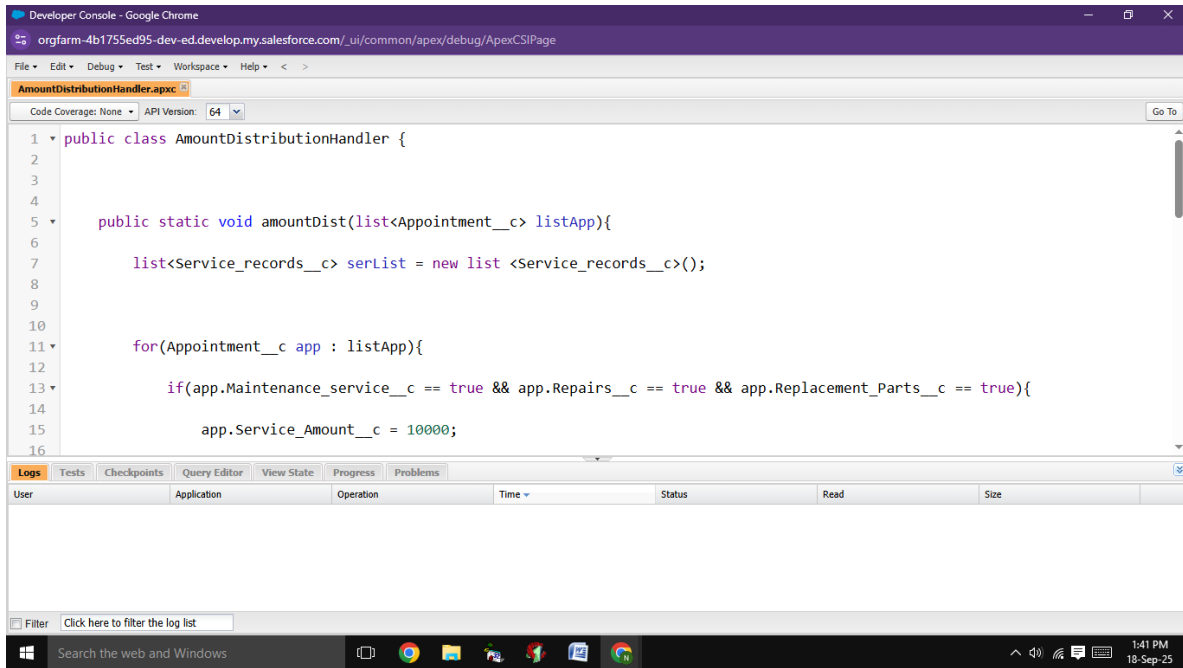
* View & edit data, roll up forecasts, & generate reports for all users below
* Can't access data of other Executive Staff

* View & edit data, roll up forecasts, & generate reports for all users directly below
* Can't access data of users above or at same level

* View & edit data, roll up forecasts, & generate reports only for own data
* Can't access data of users above or at same level

Set Up Roles

https://orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/setup/Roles/home



Student x Verify your identity in Salesforce x Recently Viewed | Customer D Roles | Salesforce

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/o/Customer_Details__c/list?filterName=__Recent

Garage Manage... Customer Details Appointments Service records Billing details and feedback Reports Dashboards Setup

Customer Details Recently Viewed 1 item • Updated 26 minutes ago

New Import Change Owner Assign Label

Search this list...

	Customer Name	
1	Mac	

javascriptvoid(0);

Search the web and Windows 1:42 PM 18-Sep-25

Student x Verify your identity in Salesforce x Recently Viewed | Customer D Roles | Salesforce

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/o/Appointment__c/home

Garage Manage... Customer Details Appointments Service records Billing details and feedback Reports Dashboards

Customer Details Recently Viewed 1 item • Updated a few seconds ago

New Import Change Owner Assign Label

Search this list...

	Customer Name	
1	Mac	

https://orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/o/Appointment__c/home

Search the web and Windows 1:42 PM 18-Sep-25

Browser tabs: - Student, Verify your identity in Salesforce, Recently Viewed | Appointment, Roles | Salesforce

Address bar: orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/o/Service_records_c/home

Search bar: Search...

Navigation menu: Garage Manageme..., Customer Details, Appointments, Service records, Billing details and feedback, Reports, Dashboards

Section: Appointments Recently Viewed

Buttons: New, Import, Change Owner, Assign Label

Search: Search this list...

	Appointment Name
1	app-001

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/o/.../home

Taskbar: Search the web and Windows, 1:42 PM 18-Sep-25

Browser tabs: - Student, Verify your identity in Salesforce, Recently Viewed | Billing details, Roles | Salesforce

Address bar: orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/o/Billing_details_and_feedback_c/list?filterName=__Recent

Search bar: Search...

Navigation menu: Garage Manageme..., Customer Details, Appointments, Service records, Billing details and feedback, Reports, Dashboards

Section: Billing details and feedback Recently Viewed

Buttons: New, Import, Change Owner, Assign Label

Search: Search this list...

0 items • Updated a few seconds ago

Nothing to see here

Taskbar: Search the web and Windows, 1:43 PM 18-Sep-25

Student | Verify your identity in Salesforce | Recent | Reports | Salesforce | Roles | Salesforce

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/o/Report/home?queryScope=mr...

Garage Manage... Customer Details Appointments Service records Billing details and feedback Reports Dashboards

Reports

Recent

0 items

Search recent reports...

New Report New Folder

REPORTS

Recent

Created by Me

Private Reports

Public Reports

All Reports

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites

Recent reports appear here

Go to All Reports to see what's available.

[View All Reports](#)

Search the web and Windows

1:43 PM 18-Sep-25

Student | Verify your identity in Salesforce | Recent | Dashboards | Salesforce | Roles | Salesforce

orgfarm-4b1755ed95-dev-ed.develop.lightning.force.com/lightning/o/Dashboard/home?queryScope=mr...

Garage Manage... Customer Details Appointments Service records Billing details and feedback Reports Dashboards

Dashboards

Recent

1 item

Search recent dashboards...

New Dashboard New Folder

DASHBOARDS

Recent

Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Customer review	Service Rating dashboard	garage management	9/8/2025, 1:05 AM		

Created by Me

Private Dashboards

All Dashboards

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites

Search the web and Windows

1:43 PM 18-Sep-25

Advantages and Disadvantages :

Advantages

1. Time-Saving

The system automates regular tasks such as billing, record-keeping, and service tracking, which reduces manual effort and saves valuable time for both staff and customers.

2. Accuracy

By minimizing human involvement in calculations and data entry, the system ensures accurate service records, billing details, and inventory management.

3. Easy Data Access

All customer, vehicle, and service information is stored digitally, allowing quick retrieval of records whenever required. This improves organization and efficiency.

4. Transparency

Customers are provided with clear information about service charges, spare part usage, and expected delivery times, which builds trust and satisfaction.

5. Inventory Tracking

The system helps monitor spare parts availability, prevents shortages, and ensures that the garage is always prepared for services.

6. Scalability

The system can be easily expanded to handle larger workloads, making it suitable for both small garages and larger service centers as the business grows.

Disadvantages :

1. Initial Cost

Developing and implementing the system requires an initial investment, which may be a challenge for small garages with limited budgets.

2. Training Requirement

Garage staff may need training to understand and use the system effectively, which could take time and effort during the transition.

3. Technical Issues

Like any digital system, it may face technical problems such as software errors, slow performance, or downtime, affecting daily operations.

4. Dependence on Technology

The garage becomes heavily dependent on the system, and any failure could temporarily disrupt services.

5. Data Security Risks

Since sensitive customer and financial data is stored digitally, it is vulnerable to hacking or unauthorized access if not properly protected.

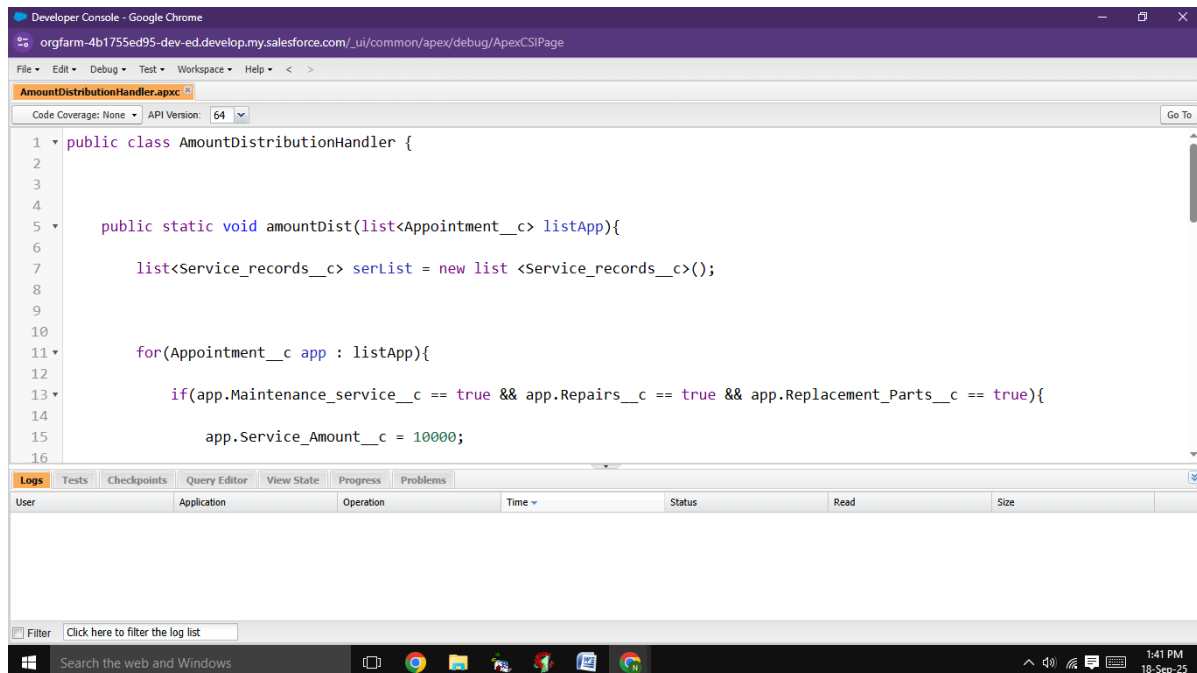
6. Maintenance Needs

The system requires regular updates and technical support to ensure smooth functioning, which may involve additional costs.

Conclusion

The Garage Management System is an effective solution for modernizing the operations of automobile service centers by replacing traditional manual methods with automated processes. It improves efficiency, accuracy, and transparency, ensuring that both customers and garage owners benefit from faster and more reliable services. Although the system involves challenges such as initial setup costs, training, and maintenance, its long-term advantages—such as time-saving, better record-keeping, and improved customer satisfaction—make it highly valuable. Overall, this project highlights the importance of digital solutions in streamlining garage operations and demonstrates how technology can support the growth and professionalism of the automobile service industry.

Appendix



The screenshot displays the Salesforce Developer Console in Google Chrome. The browser address bar shows the URL: `orgfarm-4b1755ed95-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage`. The console title is "Developer Console - Google Chrome". The main editor area shows the Apex class `AmountDistributionHandler.apxc` with the following code:

```
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
11         for(Appointment__c app : listApp){
12
13             if(app.Maintenance_service__c == true && app.Repairs__c == true && app.Replacement_Parts__c == true){
14
15                 app.Service_Amount__c = 10000;
16
17             }
18         }
19     }
```

Below the code editor, there are tabs for "Logs", "Tests", "Checkpoints", "Query Editor", "View State", "Progress", and "Problems". The "Logs" tab is selected, showing a table with columns: User, Application, Operation, Time, Status, Read, and Size. The table is currently empty. At the bottom of the console, there is a "Filter" button and a text input field with the placeholder "Click here to filter the log list". The Windows taskbar is visible at the bottom of the screen, showing the search bar and various application icons.