

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

**Title: GARAGE MANAGEMENT SYSTEM**

**TEAM ID:**

859F52E6D42911AA0E24B2E382BC8F44

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# **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.

## **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

## DEVELOPMENT PHASE

Creating Developer account

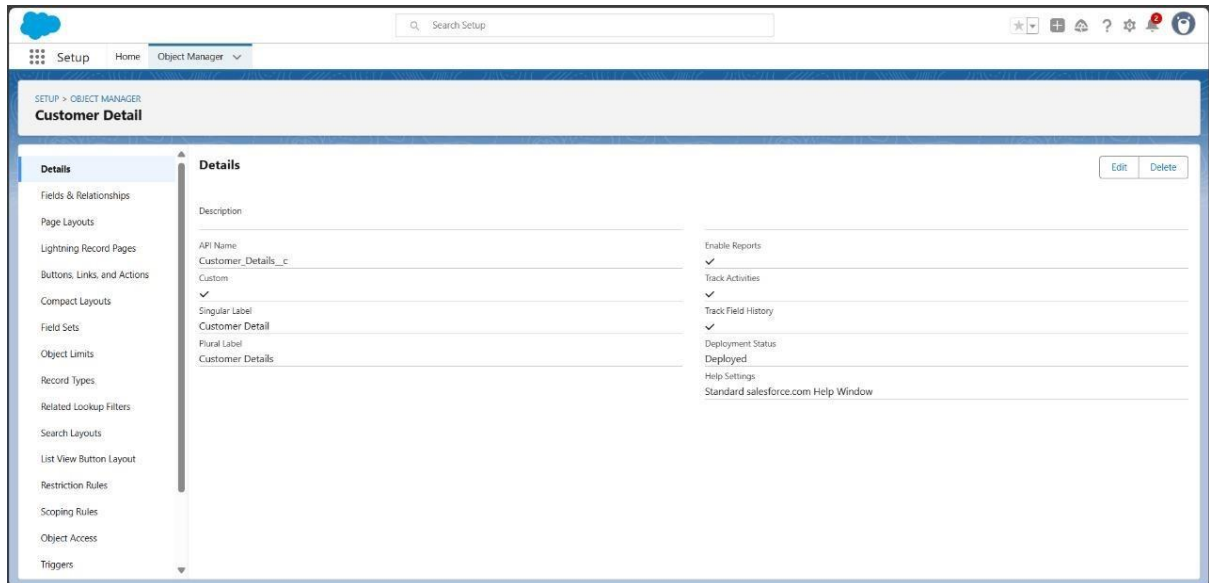
By using this

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

Account Activation

This will redirect to your salesforce setup page.

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



This screenshot shows the Salesforce Setup interface for the 'Customer Detail' object. The left sidebar contains a navigation menu with options like Fields & Relationships, Page Layouts, and Compact Layouts. The main content area is titled 'Customer Detail' and includes a 'Details' section with fields for API Name, Custom, Singular Label, Plural Label, and Object Limits. The 'Details' section also includes a 'Description' field and a 'Help Settings' section with a link to the Standard Salesforce Help Window. The 'Details' section is currently expanded, showing the 'Details' sub-section.

Setup > OBJECT MANAGER  
**Customer Detail**

**Details**

Fields & Relationships  
Page Layouts  
Lightning Record Pages  
Buttons, Links, and Actions  
Compact Layouts  
Field Sets  
Object Limits  
Record Types  
Related Lookup Filters  
Search Layouts  
List View Button Layout  
Restriction Rules  
Scoping Rules  
Object Access  
Triggers

Description

API Name  
Customer\_Details\_\_c

Custom

Singular Label  
Customer Detail

Plural Label  
Customer Details

Enable Reports  
✓

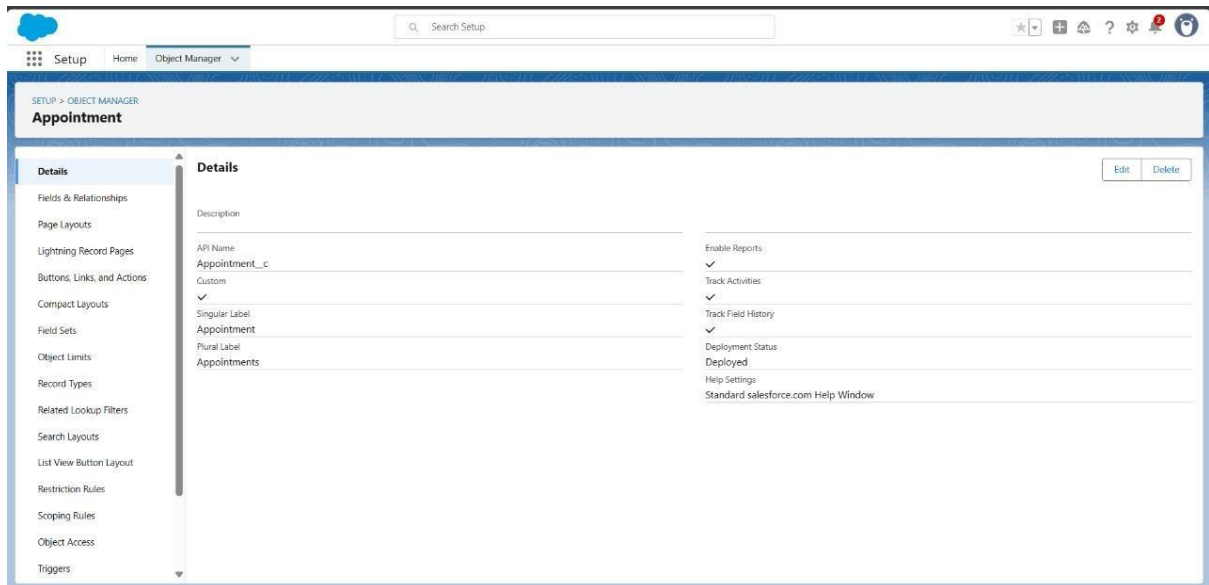
Track Activities  
✓

Track Field History  
✓

Deployment Status  
Deployed

Help Settings  
Standard salesforce.com Help Window

Edit Delete



This screenshot shows the Salesforce Setup interface for the 'Appointment' object. The left sidebar contains a navigation menu with options like Fields & Relationships, Page Layouts, and Compact Layouts. The main content area is titled 'Appointment' and includes a 'Details' section with fields for API Name, Custom, Singular Label, Plural Label, and Object Limits. The 'Details' section also includes a 'Description' field and a 'Help Settings' section with a link to the Standard Salesforce Help Window. The 'Details' section is currently expanded, showing the 'Details' sub-section.

Setup > OBJECT MANAGER  
**Appointment**

**Details**

Fields & Relationships  
Page Layouts  
Lightning Record Pages  
Buttons, Links, and Actions  
Compact Layouts  
Field Sets  
Object Limits  
Record Types  
Related Lookup Filters  
Search Layouts  
List View Button Layout  
Restriction Rules  
Scoping Rules  
Object Access  
Triggers

Description

API Name  
Appointment\_\_c

Custom

Singular Label  
Appointment

Plural Label  
Appointments

Enable Reports  
✓

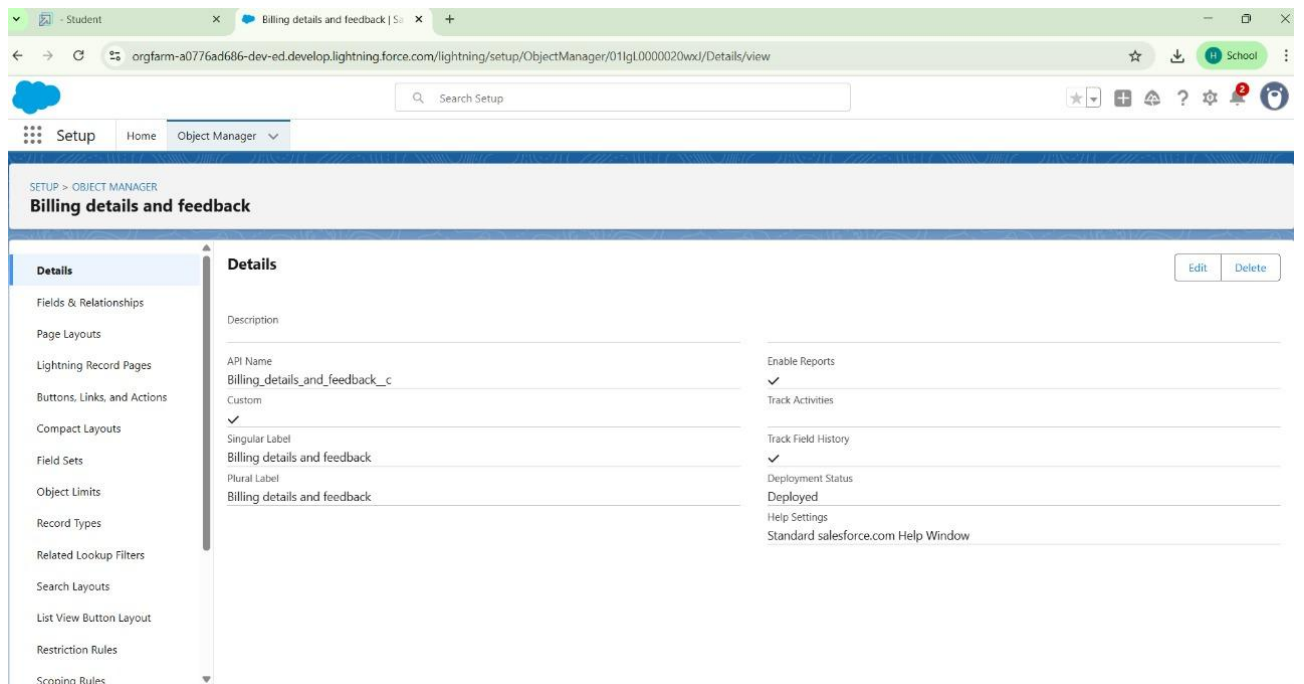
Track Activities  
✓

Track Field History  
✓

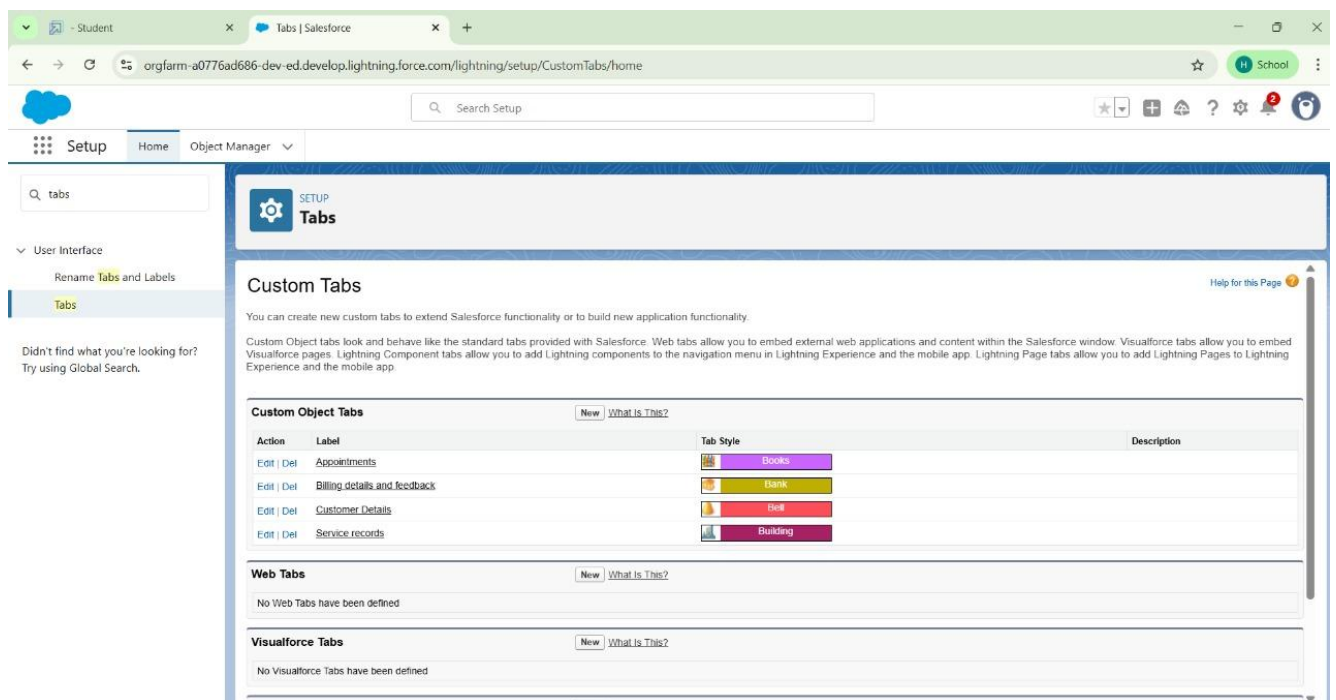
Deployment Status  
Deployed

Help Settings  
Standard salesforce.com Help Window

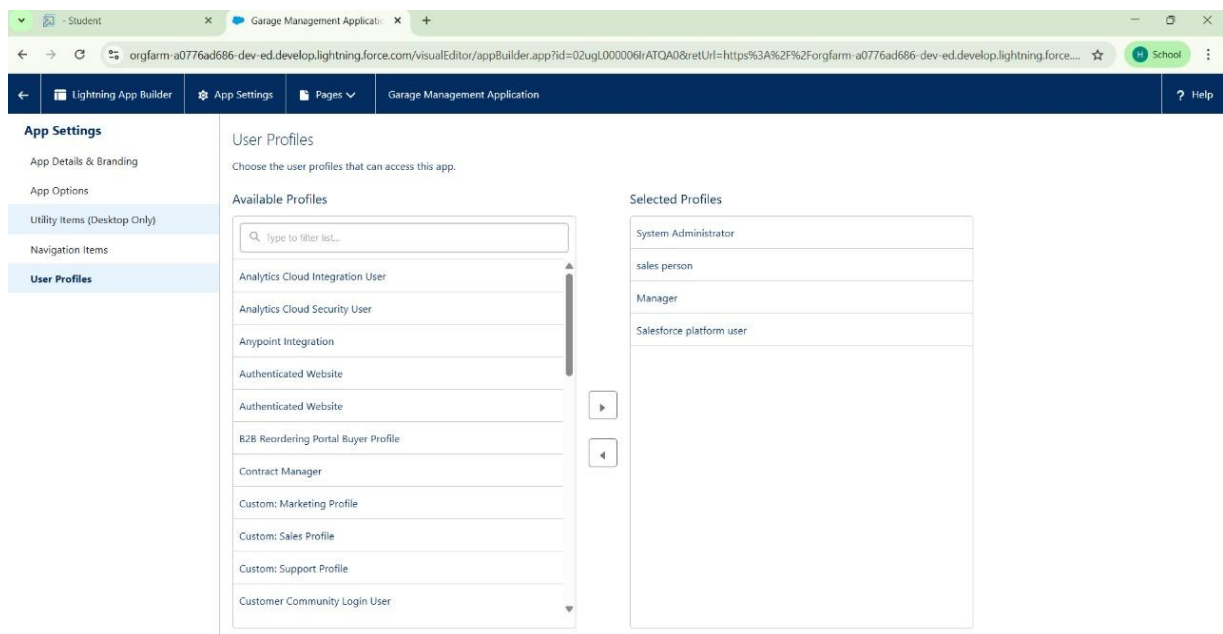
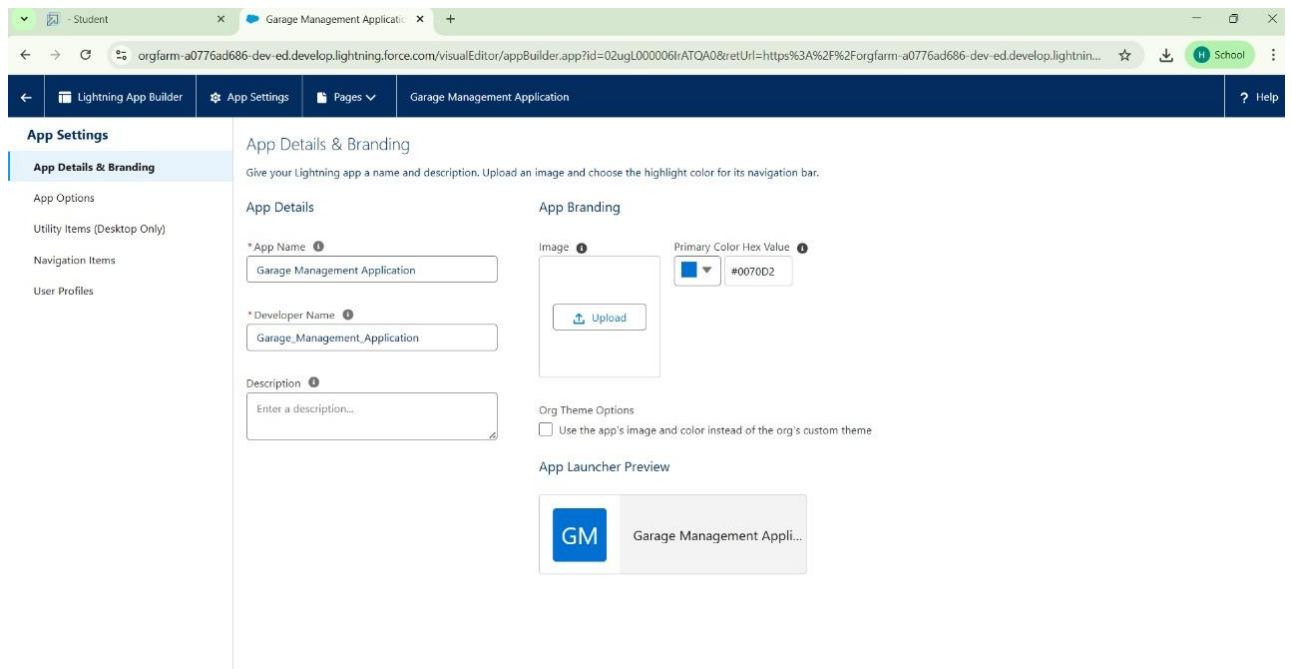
Edit Delete



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



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



## 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

Create

Type to filter list...

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

### Selected Items

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

# Configured fields and relationships

Customer Details | Salesforce

orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/011glL0000020w7h/FieldsAndRelationships/view

Search Setup

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		

Service records | Salesforce

orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/011glL0000020v1y/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Service records

Details

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

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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.develop.lightning.force.com/lightning/setup/ObjectManager/011gl.0000020w9J/FieldsAndRelationships/view

Search Setup

Setup

Home

Object Manager

SETUP > OBJECT MANAGER

Appointment

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Fields & Relationships

11 Items, Sorted by Field Label

Quick Find

New

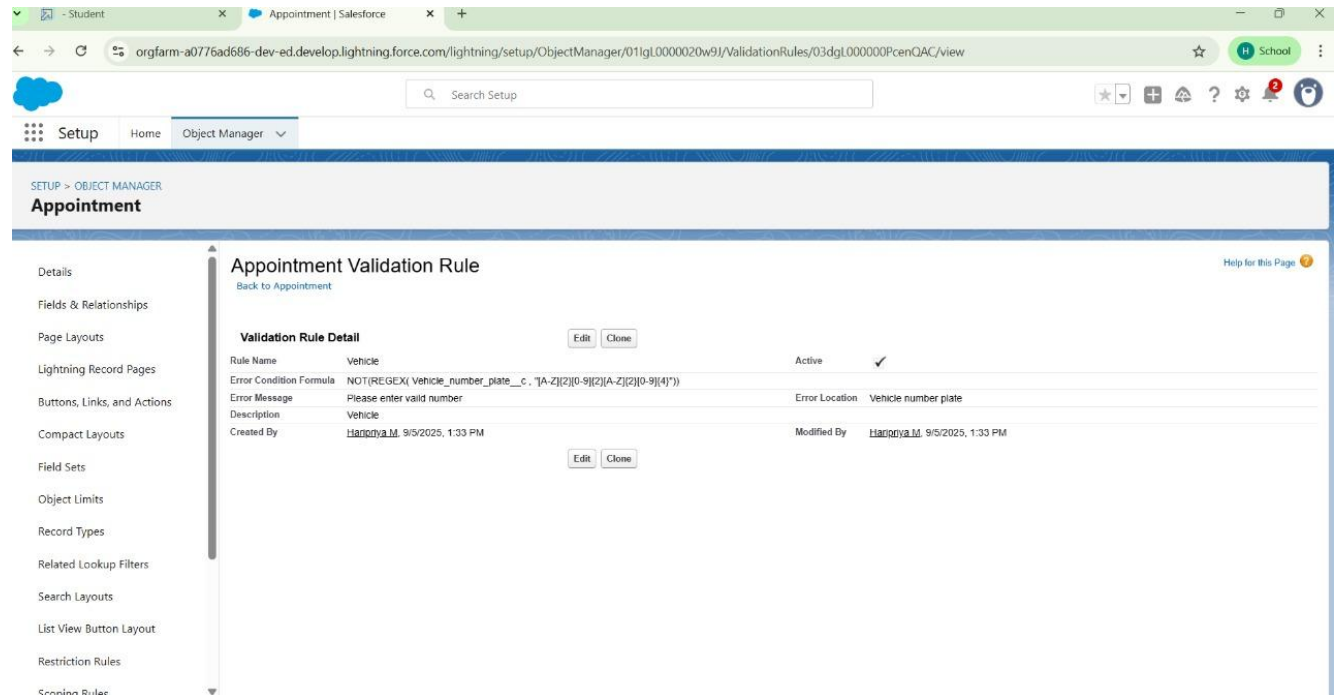
Deleted Fields

Field Dependencies

Set History Tracking

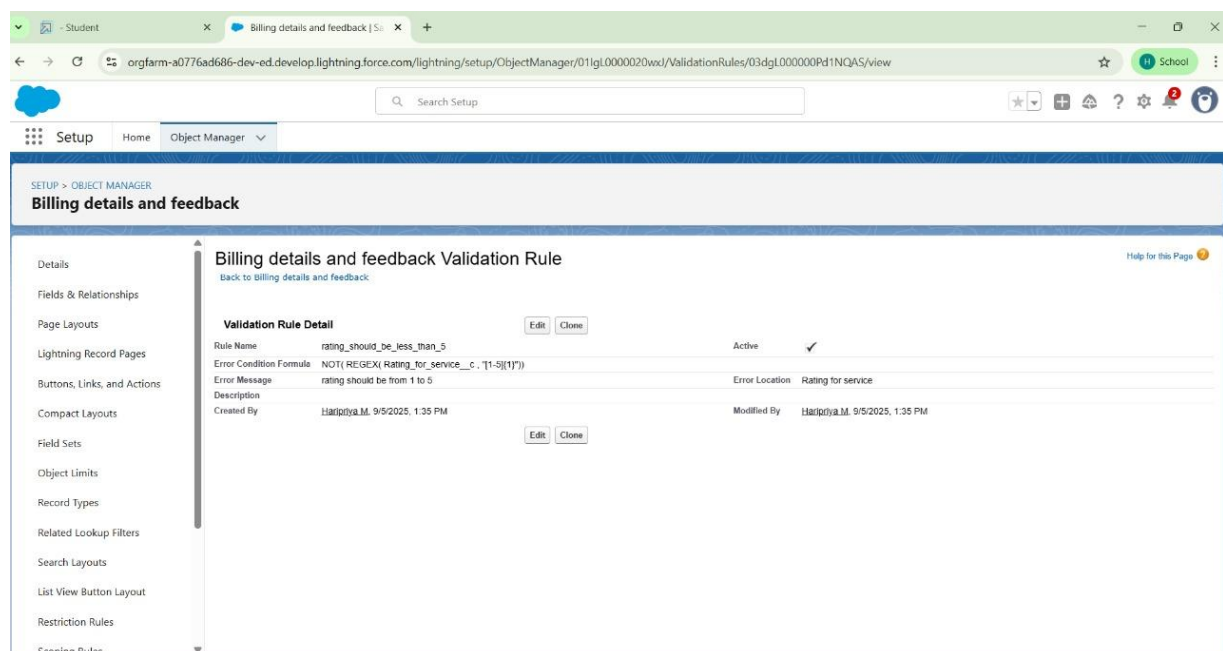
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Appointment Date	Appointment_Date__c	Date		
Appointment Name	Name	Auto Number		✓
Created By	CreatedById	Lookup(User)		
Customer Details	Customer_Details__c	Lookup(Customer Details)		✓
Last Modified By	LastModifiedById	Lookup(User)		
Maintenance 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 for the Appointment object. The browser address bar displays the URL: `orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL0000020w9I/ValidationRules/03dgl000000PcenQAC/view`. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, and Scoping Rules. The main content area is titled "Appointment Validation Rule" and includes a "Back to Appointment" link. Below the title is a "Validation Rule Detail" section with a table of configuration details.

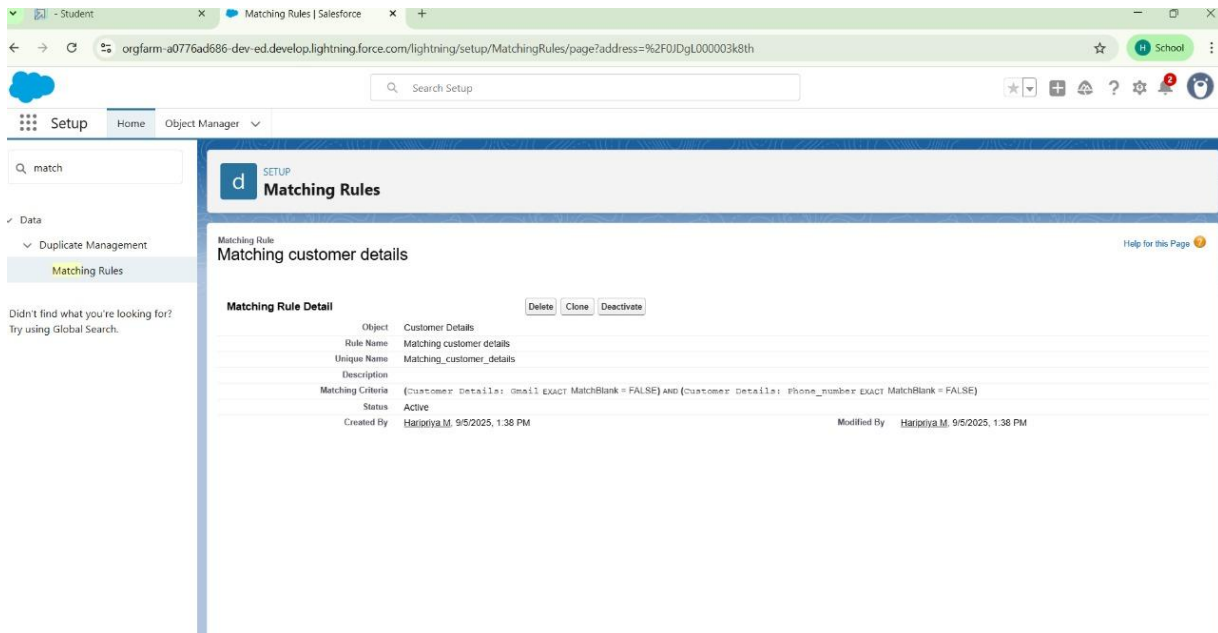
Validation Rule Detail		Active
Rule Name	Vehicle	✓
Error Condition Formula	NOT(REGEX( Vehicle_number_plate__c , "[A-Z][0-9][2][A-Z][2][0-9][4]"))	
Error Message	Please enter valid number	Error Location Vehicle number plate
Description	Vehicle	
Created By	Haripriya.M. 9/5/2025, 1:33 PM	Modified By Haripriya.M. 9/5/2025, 1:33 PM



The screenshot shows the Salesforce Setup interface for creating a validation rule for the Billing details and feedback object. The browser address bar displays the URL: `orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL0000020wxJ/ValidationRules/03dgl000000Pd1NQAS/view`. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, List View Button Layout, Restriction Rules, and Scoping Rules. The main content area is titled "Billing details and feedback Validation Rule" and includes a "Back to Billing details and feedback" link. Below the title is a "Validation Rule Detail" section with a table of configuration details.

Validation Rule Detail		Active
Rule Name	rating_should_be_less_than_5	✓
Error Condition Formula	NOT( REGEX( Rating_for_service__c , "[1-5]([1]*)"))	
Error Message	rating should be from 1 to 5	Error Location Rating for service
Description		
Created By	Haripriya.M. 9/5/2025, 1:35 PM	Modified By Haripriya.M. 9/5/2025, 1:35 PM

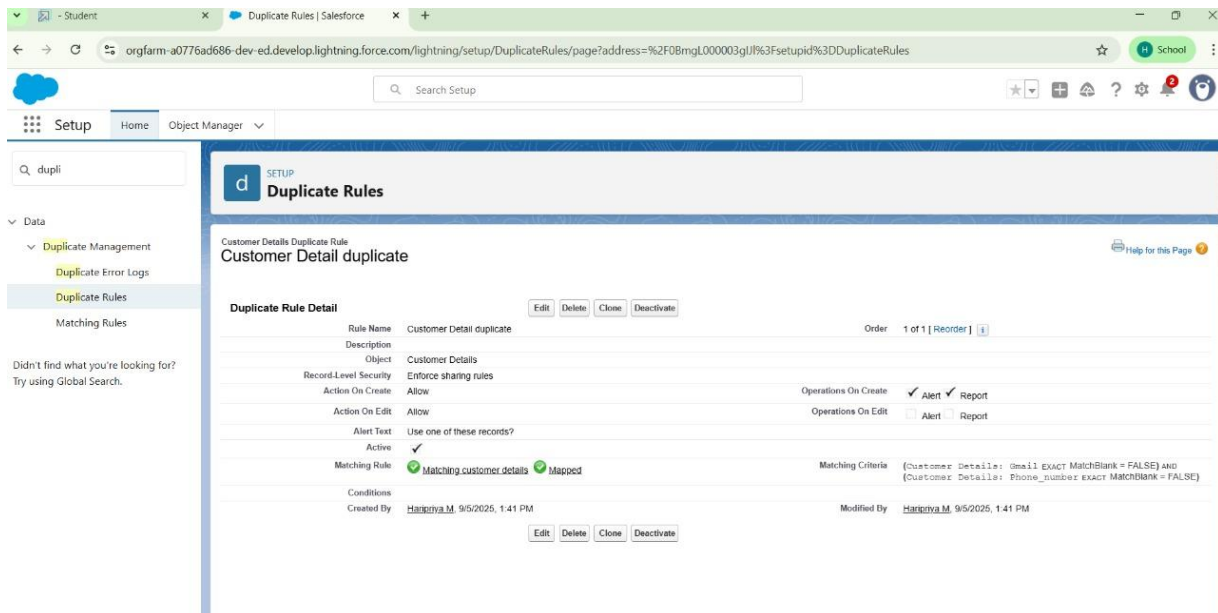
# Create a Duplicate Rule



This screenshot shows the Salesforce 'Matching Rules' setup page. The browser address bar indicates the URL: `orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/lightning/setup/MatchingRules/page?address=%2F0DgLO00003k8th`. The left sidebar shows the navigation menu with 'Setup' selected. The main content area is titled 'Matching Rules' and displays details for a rule named 'Matching customer details'. The rule is active and was created by Haripriya M. on 9/5/2025 at 1:38 PM. The matching criteria are defined as: `(Customer Details: Email EXACT MatchBlank = FALSE) AND (Customer Details: Phone_number EXACT MatchBlank = FALSE)`.

**Matching Rule Detail**

Field	Value
Object	Customer Details
Rule Name	Matching customer details
Unique Name	Matching_customer_details
Description	
Matching Criteria	(Customer Details: Email EXACT MatchBlank = FALSE) AND (Customer Details: Phone_number EXACT MatchBlank = FALSE)
Status	Active
Created By	Haripriya M. 9/5/2025, 1:38 PM
Modified By	Haripriya M. 9/5/2025, 1:38 PM



This screenshot shows the Salesforce 'Duplicate Rules' setup page. The browser address bar indicates the URL: `orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/lightning/setup/DuplicateRules/page?address=%2F0BmgLO00003gUf%3Fsetupid%3DDuplicateRules`. The left sidebar shows the navigation menu with 'Setup' selected. The main content area is titled 'Duplicate Rules' and displays details for a rule named 'Customer Detail duplicate'. The rule is active and was created by Haripriya M. on 9/5/2025 at 1:41 PM. The matching criteria are defined as: `(Customer Details: Email EXACT MatchBlank = FALSE) AND (Customer Details: Phone_number EXACT MatchBlank = FALSE)`. The rule is mapped to the 'Matching customer details' rule.

**Duplicate Rule Detail**

Field	Value
Rule Name	Customer Detail duplicate
Description	
Object	Customer Details
Record-Level Security	Enforce sharing rules
Action On Create	Allow
Action On Edit	Allow
Alert Text	Use one of these records?
Active	<input checked="" type="checkbox"/>
Matching Rule	<input checked="" type="checkbox"/> Matching customer details <input checked="" type="checkbox"/> Mapped
Matching Criteria	(Customer Details: Email EXACT MatchBlank = FALSE) AND (Customer Details: Phone_number EXACT MatchBlank = FALSE)
Conditions	
Created By	Haripriya M. 9/5/2025, 1:41 PM
Modified By	Haripriya M. 9/5/2025, 1:41 PM

# Creating a Profile

The screenshot shows the Salesforce Setup interface for a profile named 'Manager'. The page is titled 'Profiles' and includes a search bar and navigation tabs for 'Setup', 'Home', and 'Object Manager'. The left sidebar shows 'Users' and 'Profiles' sections. The main content area displays the 'Manager' profile details, including its name, user license, description, and creation/modification dates. Below this, the 'Page Layouts' section lists various standard object layouts and their assignments.

**Profile Detail**

Name	Manager
User License	Salesforce
Description	
Created By	Hadiqya M. 9/5/2025, 1:46 PM
Modified By	Hadiqya M. 9/5/2025, 3:07 PM

**Page Layouts**

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

The screenshot shows the Salesforce Setup interface for a profile named 'Salesforce platform user'. The page is titled 'Profiles' and includes a search bar and navigation tabs for 'Setup', 'Home', and 'Object Manager'. The left sidebar shows 'Users' and 'Profiles' sections. The main content area displays the 'Salesforce platform user' profile details, including its name, user license, description, and creation/modification dates. Below this, the 'Page Layouts' section lists various standard object layouts and their assignments.

**Profile Detail**

Name	Salesforce platform user
User License	Salesforce
Description	
Created By	Hadiqya M. 9/5/2025, 1:58 PM
Modified By	Hadiqya M. 9/5/2025, 3:07 PM

**Page Layouts**

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

# Creating Role and Role Hierarchy” Manager” and “Sales Person”

The screenshot shows the Salesforce Setup interface for the 'Roles' section. The left sidebar contains a search bar with 'roles' and a navigation menu with 'Users', 'Roles', 'Feature Settings', 'Sales', 'Service', and 'Case Teams'. The main content area is titled 'Role Edit' and 'New Role'. The 'Role Edit' form has the following fields: 'Label' (Manager), 'Role Name' (Manager), 'This role reports to' (CEO), and 'Role Name as displayed on reports'. At the bottom of the form are buttons for 'Save', 'Save & New', and 'Cancel'.

Setup Roles

Role Edit

New Role

Role Edit

Label: Manager

Role Name: Manager

This role reports to: CEO

Role Name as displayed on reports:

Save Save & New Cancel

The screenshot shows the Salesforce Setup interface for the 'Roles' section. The left sidebar contains a search bar with 'roles' and a navigation menu with 'Users', 'Roles', 'Feature Settings', 'Sales', 'Service', and 'Case Teams'. The main content area is titled 'Role Edit' and 'sales person'. The 'Role Edit' form has the following fields: 'Label' (sales person), 'Role Name' (sales\_person), 'This role reports to' (Manager), and 'Role Name as displayed on reports'. At the bottom of the form are buttons for 'Save', 'Save & New', and 'Cancel'.

Setup Roles

Role Edit

sales person

Role Edit

Label: sales person

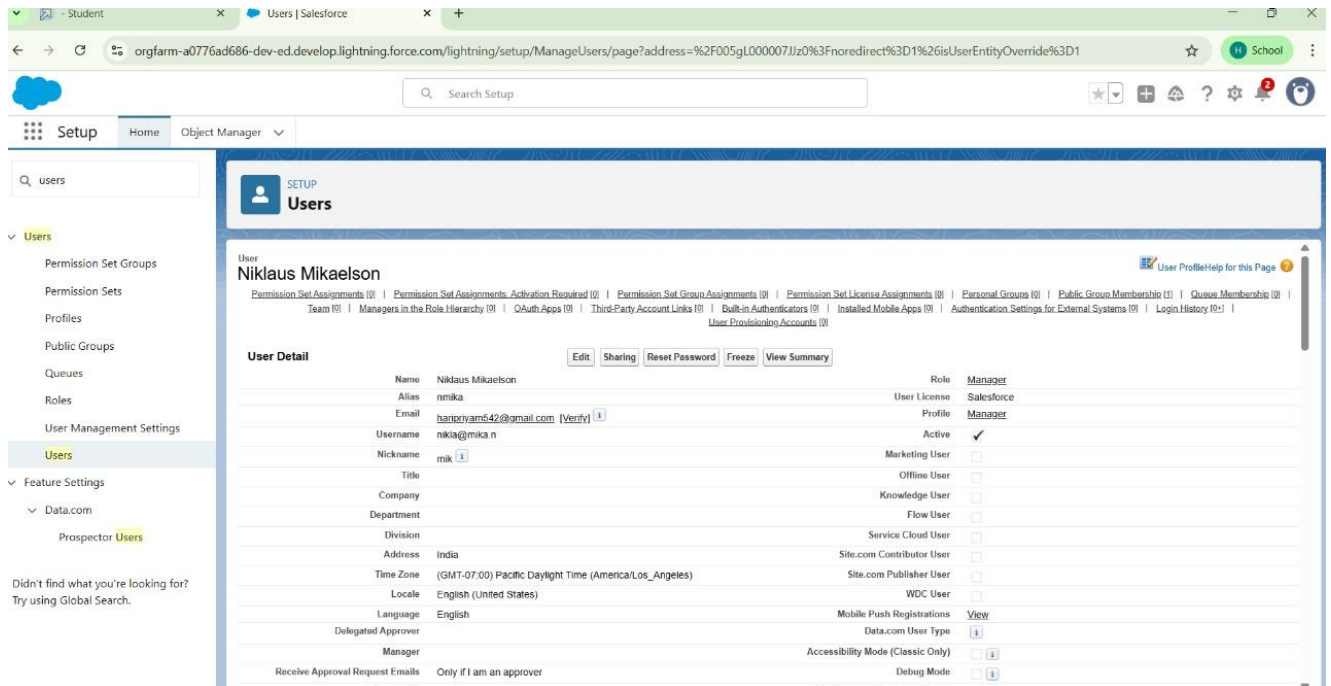
Role Name: sales\_person

This role reports to: Manager

Role Name as displayed on reports:

Save Save & New Cancel

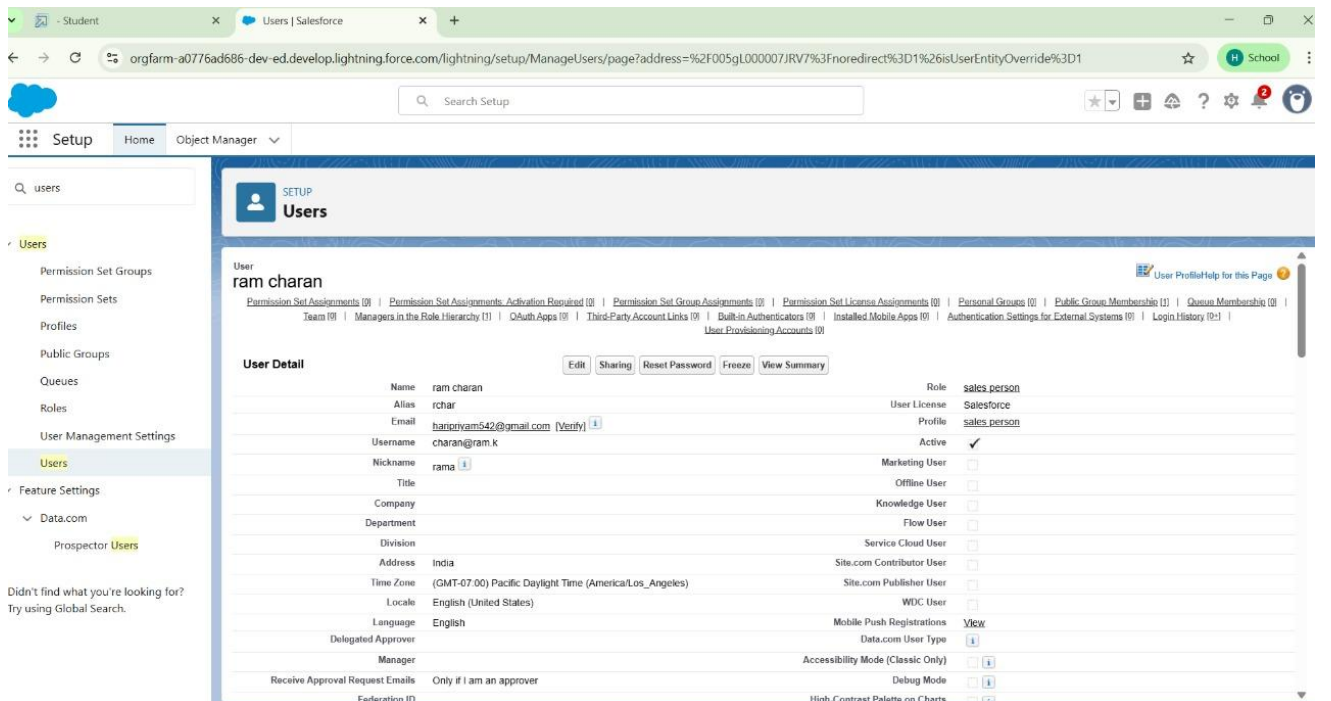
# Creating users as Niklaus Mikaelson and other users



The screenshot shows the Salesforce Setup page for a user named Niklaus Mikaelson. The left sidebar contains navigation links for Setup, Home, Object Manager, and a search bar. The main content area displays the user's profile information, including Name, Alias, Email, Username, Nickname, Title, Company, Department, Division, Address, Time Zone, Locale, Language, Delegated Approver, Manager, and Role. The user is currently assigned the role of Manager. The right sidebar contains links for User Profile Help, User Profile, and User Summary.

**User Detail**

Field	Value	Field	Value
Name	Niklaus Mikaelson	Role	Manager
Alias	nmika	User License	Salesforce
Email	hanpryam642@gmail.com (Verify)	Profile	Manager
Username	nikla@mika.n	Active	<input checked="" type="checkbox"/>
Nickname	mik	Marketing User	<input type="checkbox"/>
Title		Offline User	<input type="checkbox"/>
Company		Knowledge User	<input type="checkbox"/>
Department		Flow User	<input type="checkbox"/>
Division		Service Cloud User	<input type="checkbox"/>
Address	India	Site.com Contributor User	<input type="checkbox"/>
Time Zone	(GMT-07:00) Pacific Daylight Time (America/Los_Angeles)	Site.com Publisher User	<input type="checkbox"/>
Locale	English (United States)	WDC User	<input type="checkbox"/>
Language	English	Mobile Push Registrations	View
Delegated Approver		Data.com User Type	1
Manager		Accessibility Mode (Classic Only)	<input type="checkbox"/>
Receive Approval Request Emails	Only if I am an approver	Debug Mode	<input type="checkbox"/>



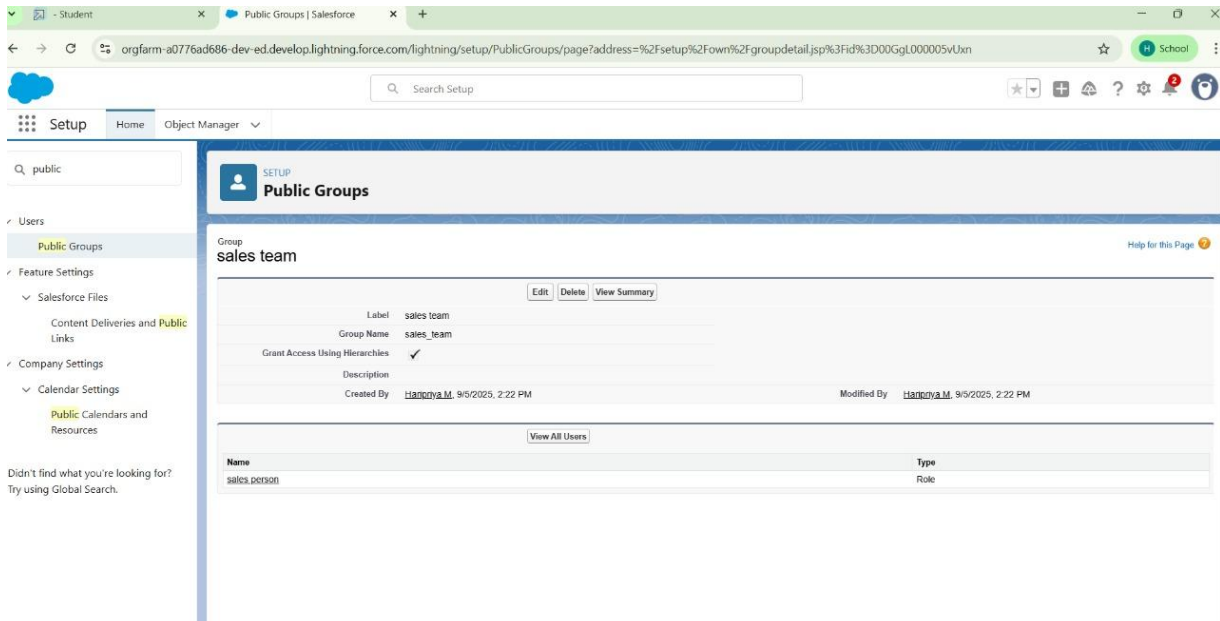
The screenshot shows the Salesforce Setup page for a user named ram charan. The left sidebar contains navigation links for Setup, Home, Object Manager, and a search bar. The main content area displays the user's profile information, including Name, Alias, Email, Username, Nickname, Title, Company, Department, Division, Address, Time Zone, Locale, Language, Delegated Approver, Manager, and Role. The user is currently assigned the role of sales person. The right sidebar contains links for User Profile Help, User Profile, and User Summary.

**User Detail**

Field	Value	Field	Value
Name	ram charan	Role	sales person
Alias	rchar	User License	Salesforce
Email	hanpryam642@gmail.com (Verify)	Profile	sales person
Username	charan@ram.k	Active	<input checked="" type="checkbox"/>
Nickname	rama	Marketing User	<input type="checkbox"/>
Title		Offline User	<input type="checkbox"/>
Company		Knowledge User	<input type="checkbox"/>
Department		Flow User	<input type="checkbox"/>
Division		Service Cloud User	<input type="checkbox"/>
Address	India	Site.com Contributor User	<input type="checkbox"/>
Time Zone	(GMT-07:00) Pacific Daylight Time (America/Los_Angeles)	Site.com Publisher User	<input type="checkbox"/>
Locale	English (United States)	WDC User	<input type="checkbox"/>
Language	English	Mobile Push Registrations	View
Delegated Approver		Data.com User Type	1
Manager		Accessibility Mode (Classic Only)	<input type="checkbox"/>
Receive Approval Request Emails	Only if I am an approver	Debug Mode	<input type="checkbox"/>



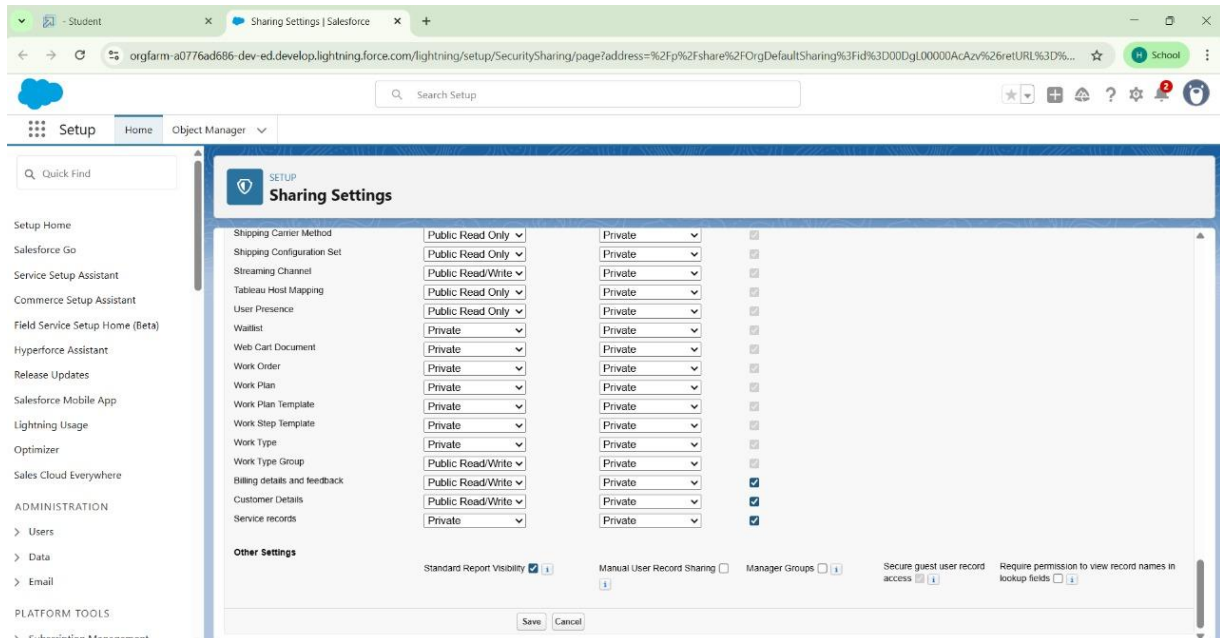
## Creating New Public Group “Sales Team”



The screenshot shows the Salesforce Setup interface for creating a new public group. The left sidebar contains navigation options: Users, Public Groups (selected), Feature Settings, Sales Files, Content Deliveries and Public Links, Company Settings, Calendar Settings, and Public Calendars and Resources. The main content area is titled 'Public Groups' and shows the configuration for a group named 'sales team'. The group details include: Label 'sales team', Group Name 'sales\_team', Grant Access Using Hierarchies checked, Description, Created By 'hannayam', 9/5/2025, 2:22 PM, and Modified By 'hannayam', 9/5/2025, 2:22 PM. Below the details is a table for group members with columns 'Name' and 'Type'. The table shows one member: 'sales.person' with Type 'Role'.

Name	Type
sales.person	Role

## Creating Sharing Settings “Sharing setting”



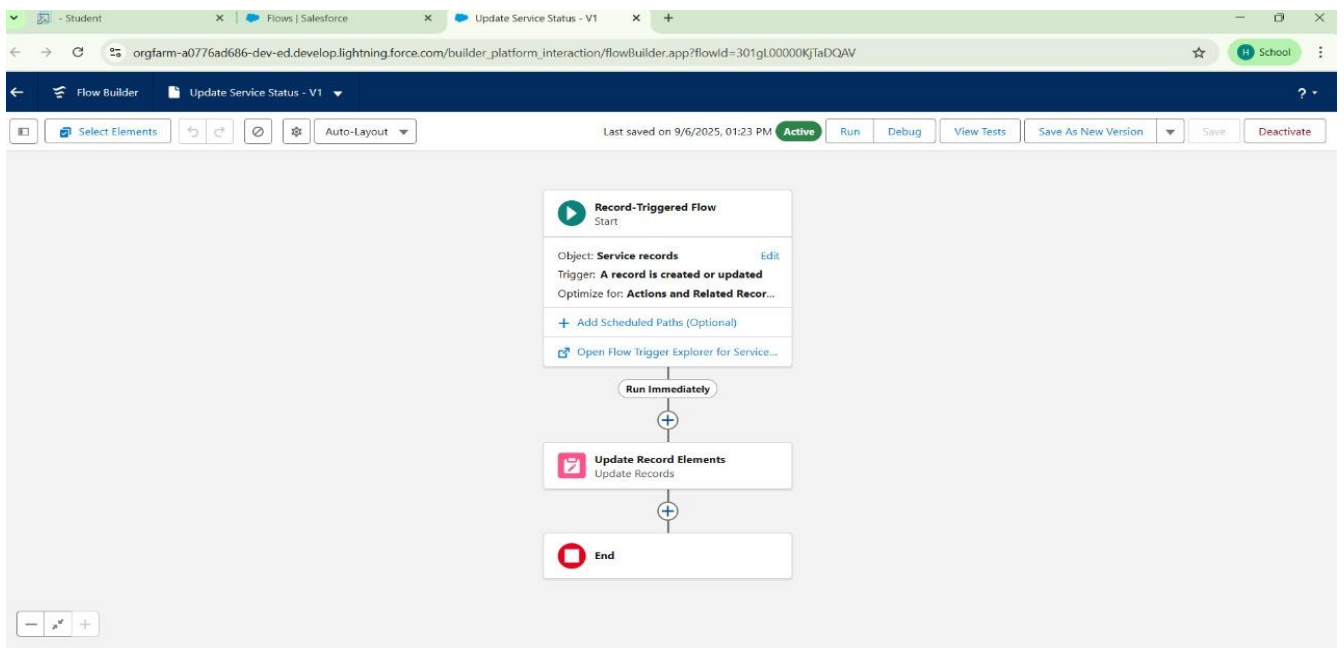
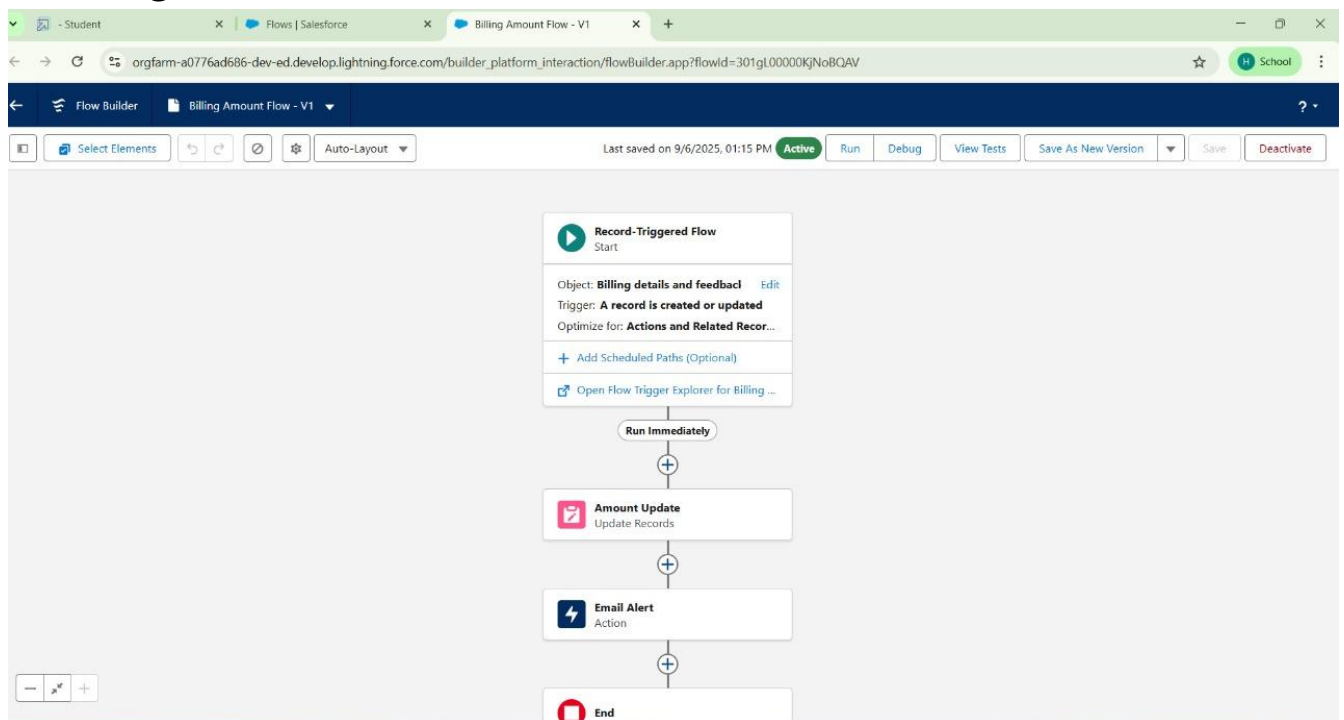
The screenshot shows the Salesforce Setup interface for Sharing Settings. The left sidebar contains navigation options: Setup Home, Salesforce Go, Service Setup Assistant, Commerce Setup Assistant, User Presence, Field Service Setup Home (Beta), Hyperforce Assistant, Release Updates, Salesforce Mobile App, Lightning Usage, Optimizer, Sales Cloud Everywhere, ADMINISTRATION (Users, Data, Email), PLATFORM TOOLS (Subscription Management), and Subscription Management. The main content area is titled 'Sharing Settings' and shows a table of sharing configurations. The table has columns for 'Sharing Method', 'Sharing Configuration Set', 'Streaming Channel', 'Tableau Host Mapping', 'User Presence', 'Waitlist', 'Web Cart Document', 'Work Order', 'Work Plan', 'Work Plan Template', 'Work Step Template', 'Work Type', 'Work Type Group', 'Billing details and feedback', 'Customer Details', and 'Service records'. The table shows various sharing methods and their configurations. Below the table is the 'Other Settings' section, which includes checkboxes for 'Standard Report Visibility', 'Manual User Record Sharing', 'Manager Groups', 'Secure guest user record access', and 'Require permission to view record names in lookup fields'. The 'Save' and 'Cancel' buttons are at the bottom.

Sharing Method	Sharing Configuration Set	Streaming Channel	Tableau Host Mapping	User Presence	Waitlist	Web Cart Document	Work Order	Work Plan	Work Plan Template	Work Step Template	Work Type	Work Type Group	Billing details and feedback	Customer Details	Service records
Public Read Only	Public Read Only	Public Read/Write	Public Read Only	Public Read Only	Private	Private	Private	Private	Private	Private	Private	Public Read/Write	Public Read/Write	Public Read/Write	Private
Private	Private	Private	Private	Private	Private	Private	Private	Private	Private	Private	Private	Private	Private	Private	Private

**Other Settings**

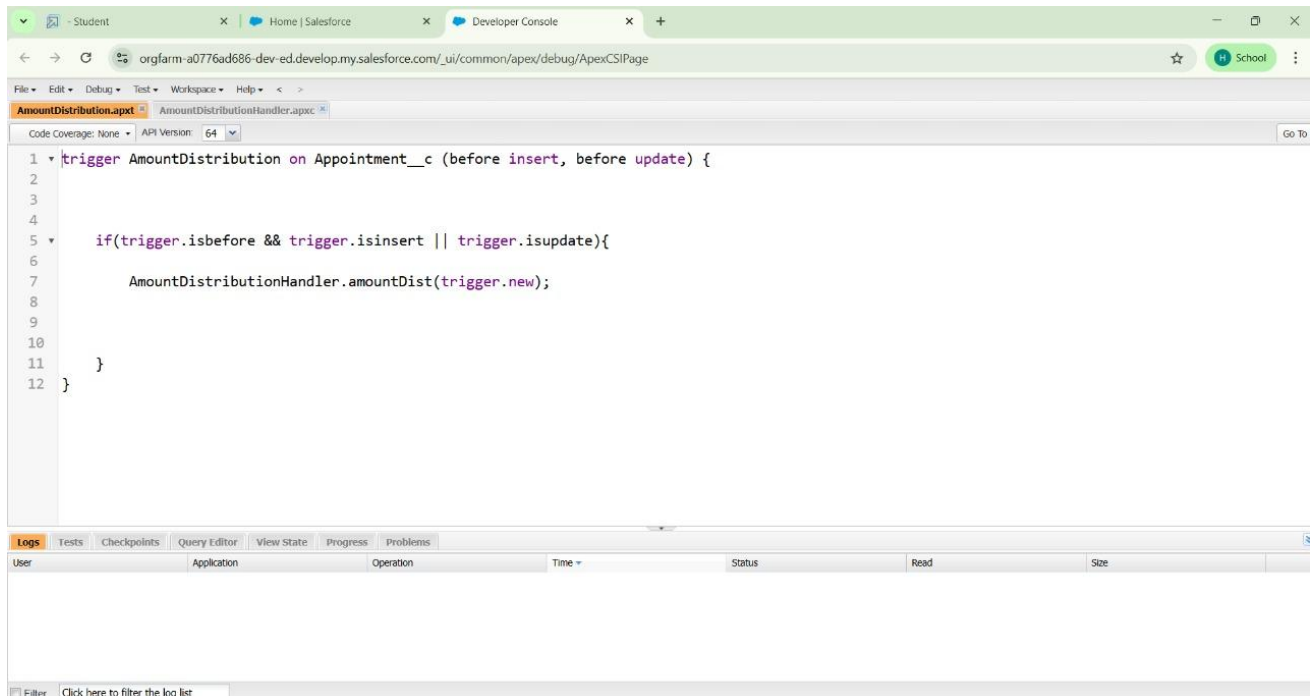
Standard Report Visibility ☒ Manual User Record Sharing ☐ Manager Groups ☐ Secure guest user record access ☐ Require permission to view record names in lookup fields ☐

# Creating Flows





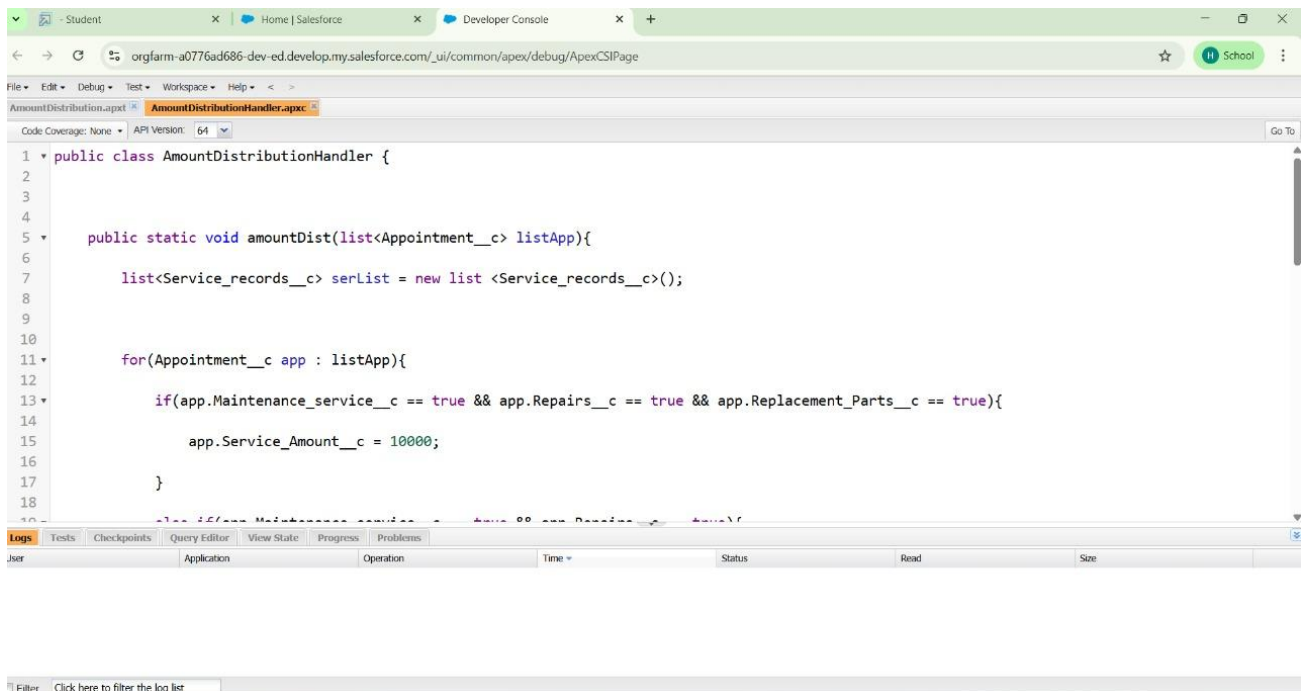
## Creating and Apex Class “AmountDistributionHandler” , ”AmountDistribution”.



The screenshot shows the Salesforce Developer Console with the 'AmountDistribution.apex' file open. The code is a trigger on the 'Appointment\_\_c' object, firing before insert and update operations. It calls the 'amountDist' method of the 'AmountDistributionHandler' class.

```
1 trigger AmountDistribution on Appointment__c (before insert, before update) {  
2  
3  
4  
5     if(trigger.isbefore && trigger.isinsert || trigger.isupdate){  
6  
7         AmountDistributionHandler.amountDist(trigger.new);  
8  
9  
10  
11     }  
12 }
```

The bottom of the console shows the 'Logs' tab with a table header: User, Application, Operation, Time, Status, Read, Size.



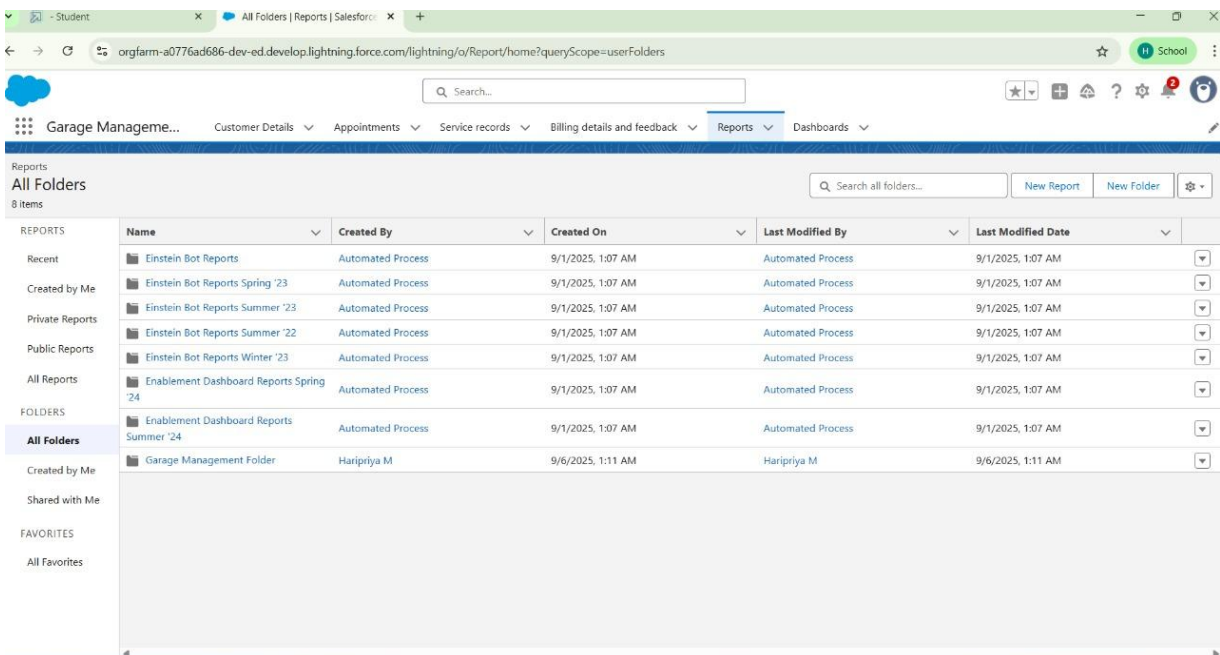
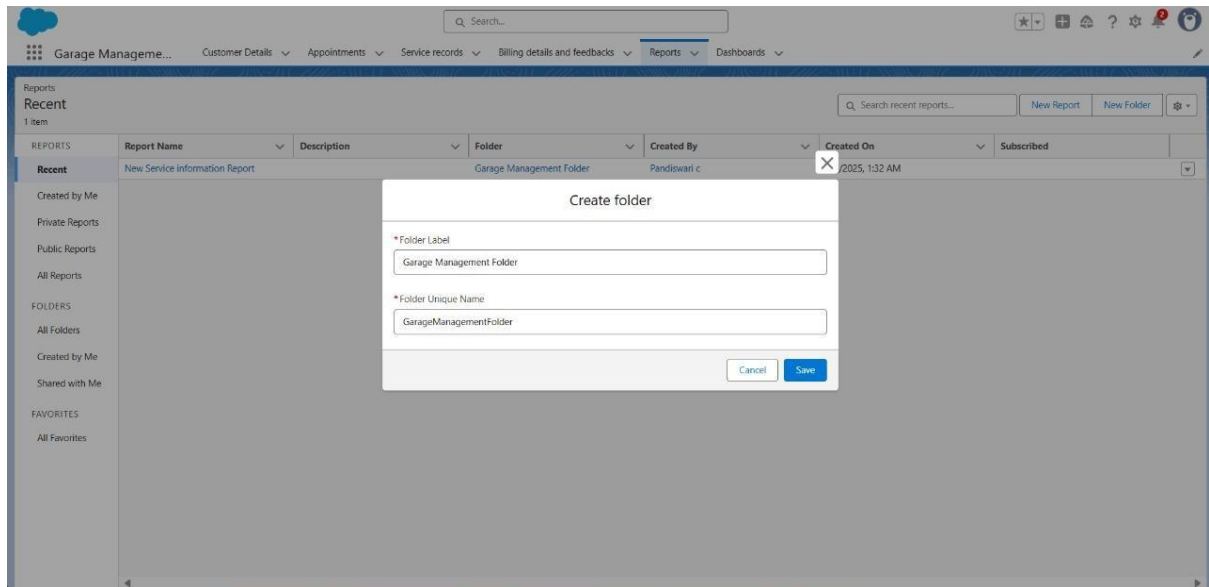
The screenshot shows the Salesforce Developer Console with the 'AmountDistributionHandler.apex' file open. The code defines a public class 'AmountDistributionHandler' with a static method 'amountDist' that takes a list of 'Appointment\_\_c' objects and updates the 'Service\_Amount\_\_c' field for records meeting specific criteria.

```
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     }  
20 }
```

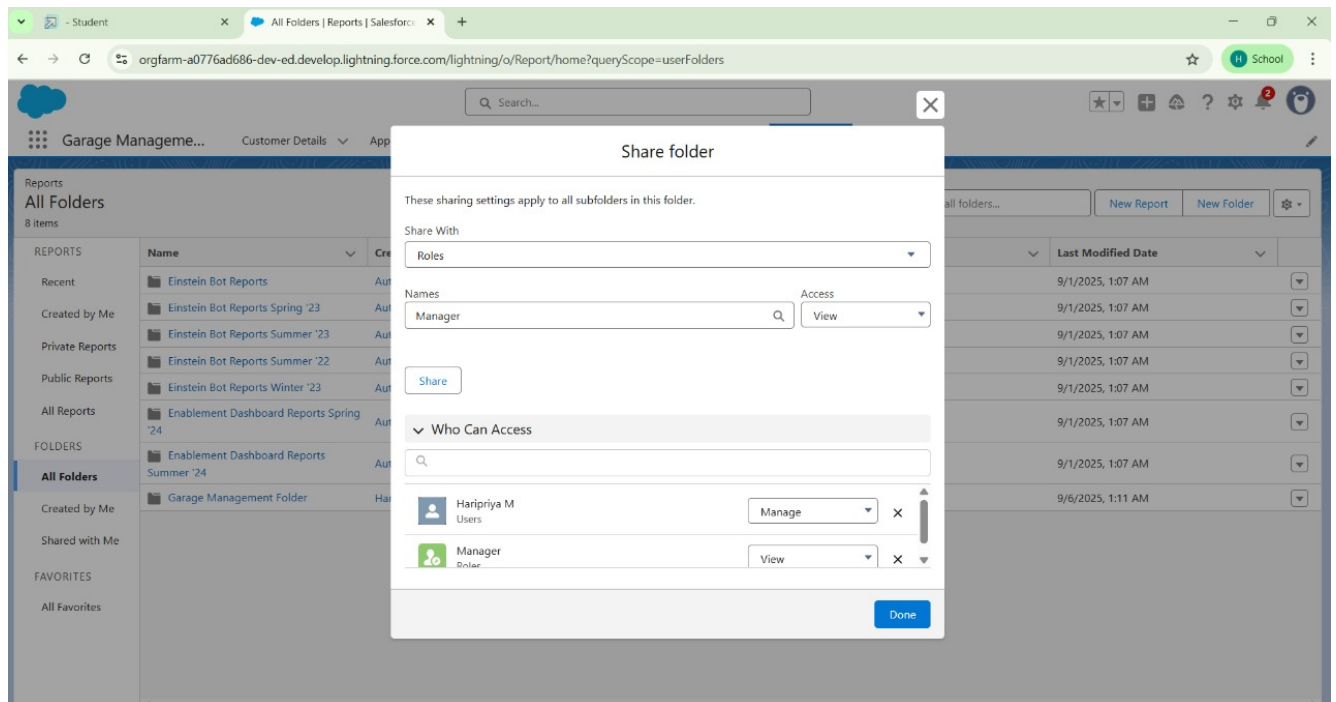
The bottom of the console shows the 'Logs' tab with a table header: User, Application, Operation, Time, Status, Read, Size.

# Reports

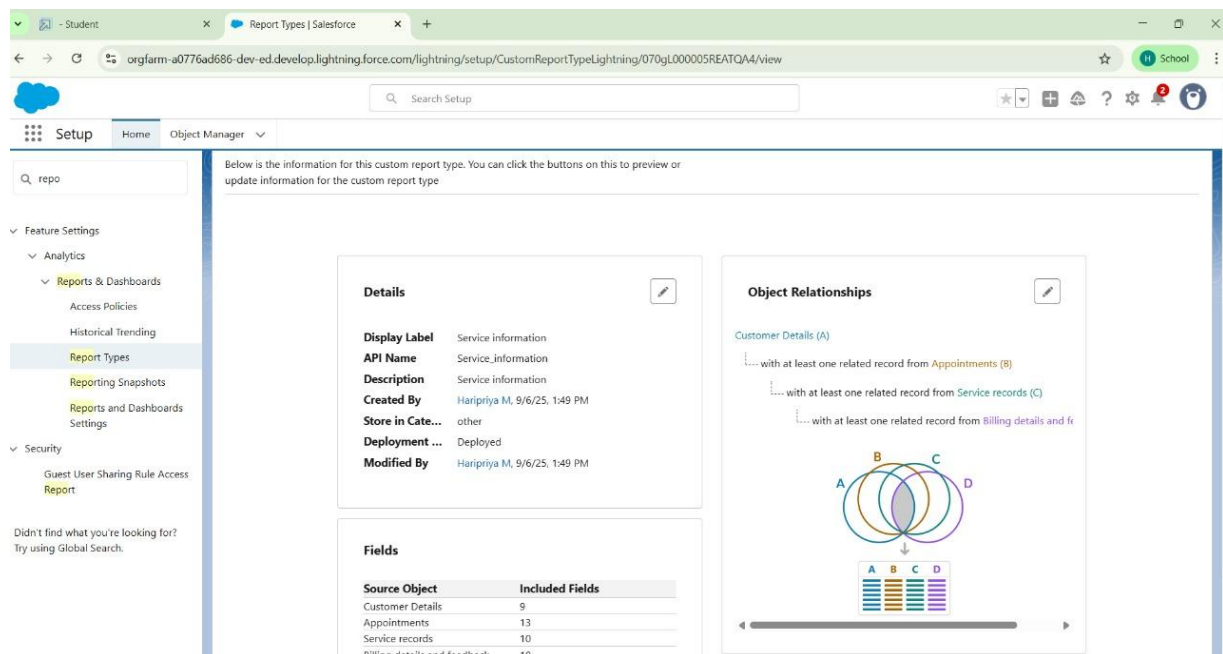
## Creating a Report Folder



# Sharing a Report Folder



# Creating Report Type



Student | Recent | Reports | Salesforce

orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/lightning/o/Report/home?queryScope=mrui

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

Reports

Recent

1 item

Search recent reports...

New Report New Folder

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	

Created by Me

Private Reports

Public Reports

All Reports

FOLDERS

All Folders

Created by Me

Shared with Me

FAVORITES

All Favorites

## Dashboards

### Creating Dashboard Folder

Student | Recent | Dashboards | Salesforce

orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/Dashboard/home?queryScope=mrui

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	Dashboard Name	Description	Folder	Created By	Created On	Subscribed
Recent	Customer review		Service Rating	HariPriya M	9/6/2025, 1:42 AM	✓

Created by Me

Private Dashboards

All Dashboards

FOLDERS

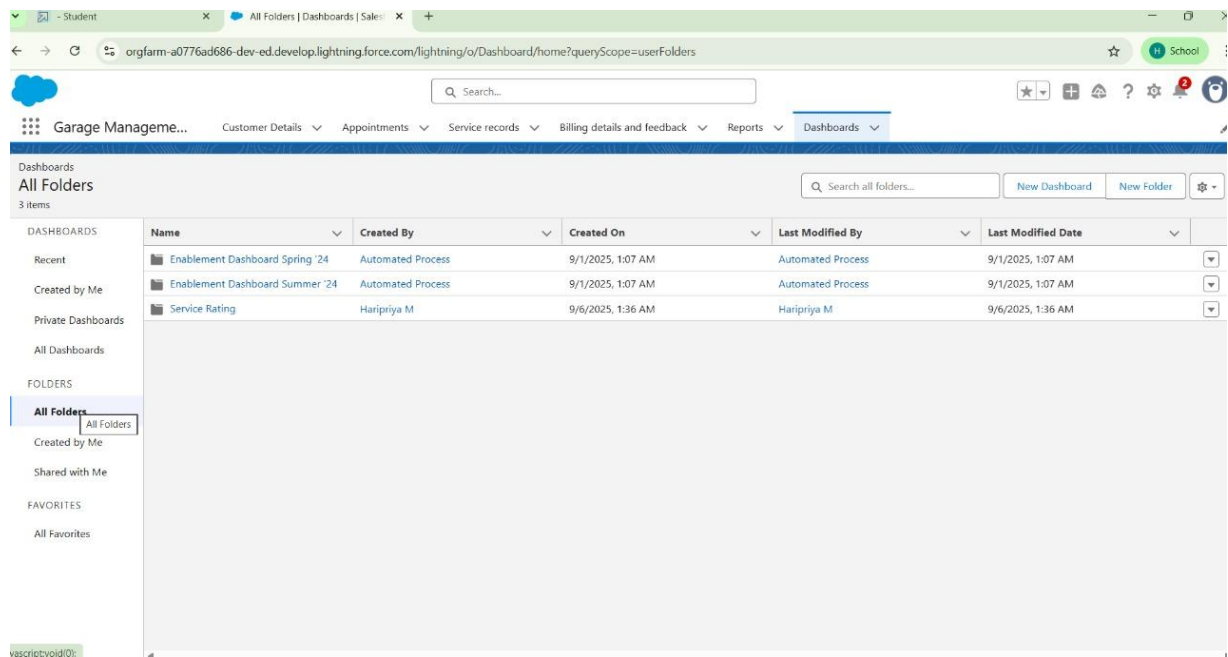
All Folders

Created by Me

Shared with Me

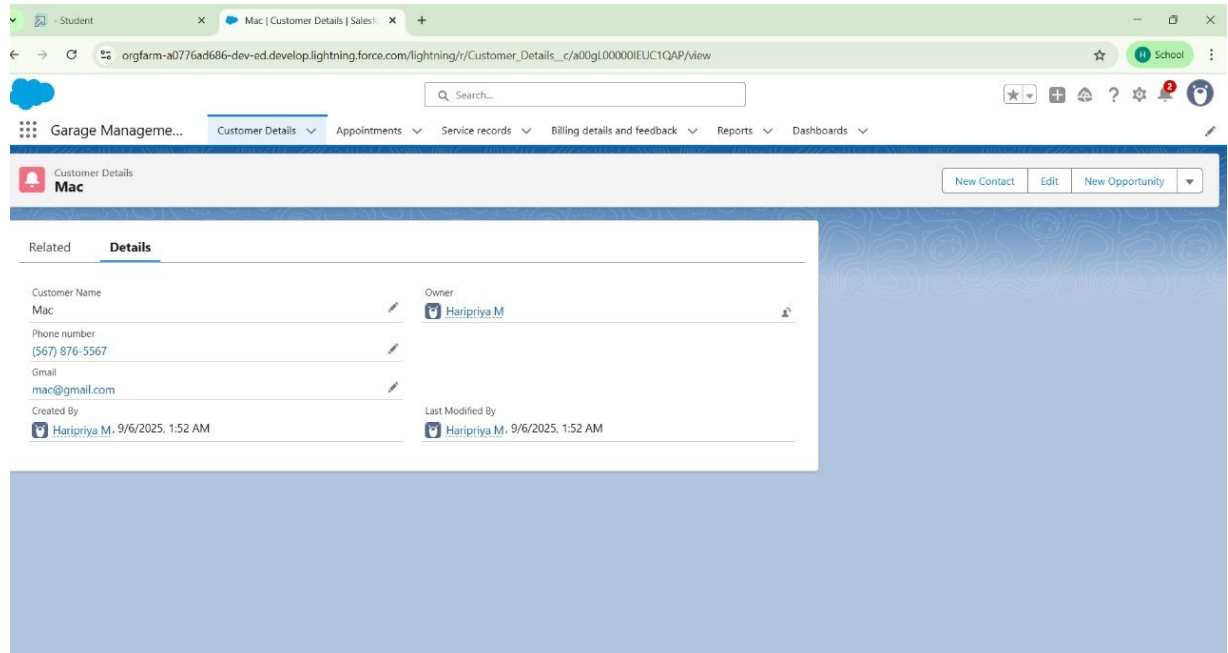
FAVORITES

All Favorites



User adaption

Creating Records



The screenshot shows the Salesforce Lightning interface for an appointment record. The browser address bar displays the URL: `orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/lightning/r/Appointment__c/a01gl00000Kjv9vQAB/view`. The page title is "Appointment app-001". The navigation bar includes "Garage Manage...", "Customer Details", "Appointments", "Service records", "Billing details and feedback", "Reports", and "Dashboards". The "Appointments" tab is selected. The record details are as follows:

Appointment Name	app-001
Customer Details	Mac
Appointment Date	1/9/2025
Maintenance service	<input checked="" type="checkbox"/>
Repairs	<input checked="" type="checkbox"/>
Replacement Parts	<input type="checkbox"/>
Service Amount	\$5,000
Vehicle number plate	TS30EU0443
Name	Mac
Created By	Haripriya M. 9/6/2025, 2:10 AM
Last Modified By	Haripriya M. 9/6/2025, 2:10 AM

The screenshot shows the Salesforce Lightning interface for a service record. The browser address bar displays the URL: `orgfarm-a0776ad686-dev-ed.develop.lightning.force.com/lightning/r/Service_records__c/a02gl00000059u9lQAA/view`. The page title is "Service records ser-001". The navigation bar includes "Garage Manage...", "Customer Details", "Appointments", "Service records", "Billing details and feedback", "Reports", and "Dashboards". The "Service records" tab is selected. The record details are as follows:

Service records Name	ser-001	Owner	Haripriya M.
Appointment	app-001		
Quality Check Status	<input checked="" type="checkbox"/>		
Service Status	Completed		
Service date	9/6/2025		
Created By	Haripriya M. 9/6/2025, 2:26 AM	Last Modified By	Haripriya M. 9/6/2025, 2:27 AM

## 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(trigger.new);
    }

}

```