

# **Garage Management System**



## **A PROJECT REPORT**

*Submitted by*

**DHIVYADHARSHINI S      712321104003**

**JANANI M                              712321104004**

*Mentored by*

**Dr. MANIVANNAN M.E., PhD,**

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**PARK COLLEGE OF TECHNOLOGY COIMBATORE-641659**

**ANNA UNIVERSITY: CHENNAI – 600 025**

**NOV/DEC 2024**

## BONAFIDE CERTIFICATE

Certified that this Project Work report of “ **Garage Management System**” is the Bonafide work of “ **DHIVYADHARSHINI S (712321104003), JANANI M (712321104004)**” who carried out the project work under my supervision.

.....  
**SIGNATURE**

**Dr. Dr. MANIVANNAN M.E., PhD,**  
**HEAD AND PROFESSOR,**

Head Department of CSE  
Park college of Technology  
Coimbatore-641659

.....  
**SIGNATURE**

**Dr. MANIVANNAN M.E., PhD,**  
**HEAD & SUPERVISOR,**

Department of CSE  
Park college of Technology,  
Coimbatore-641659

Submitted for the ANNA UNIVERSITY practical examination project viva-voice held on

.....

.....  
**INTERNAL EXAMINER**

.....  
**EXTERNAL EXAMINER**

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## **ABSTRACT**

The Garage Management System (GMS) in Salesforce is a state-of-the-art platform designed to revolutionize the operations of automotive service centers. By leveraging Salesforce's advanced CRM capabilities, the system integrates critical aspects such as customer management, service scheduling, inventory control, billing, and analytics. This system addresses the growing demands for operational efficiency and personalized customer service in the automotive industry. By automating routine tasks, reducing manual errors, and enabling real-time communication, GMS helps garages focus on delivering superior customer experiences. Additionally, its integration with third-party applications allows businesses to expand capabilities and maintain a competitive edge. This cloud-based solution enhances efficiency, customer satisfaction, and scalability, providing garages with the tools needed to thrive in a competitive market.

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# Garage Management System

## PROJECT OVERVIEW

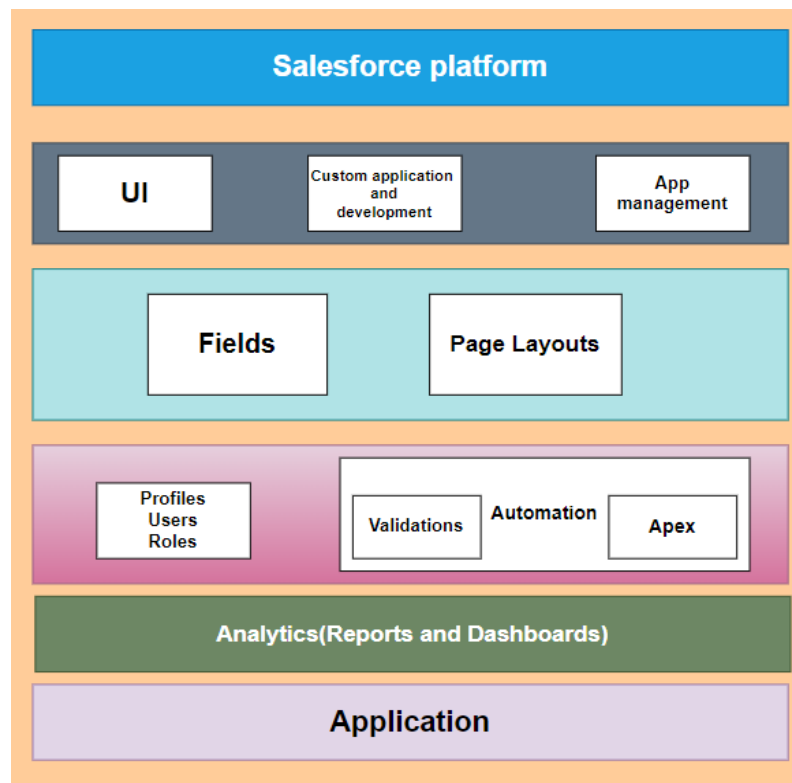
### Introduction:

In today's fast-paced automotive industry, garages face challenges such as maintaining customer satisfaction, optimizing resources, and ensuring seamless operations. The Garage Management System built on Salesforce addresses these challenges by providing an integrated platform for managing all aspects of a garage's operations.

### Description:

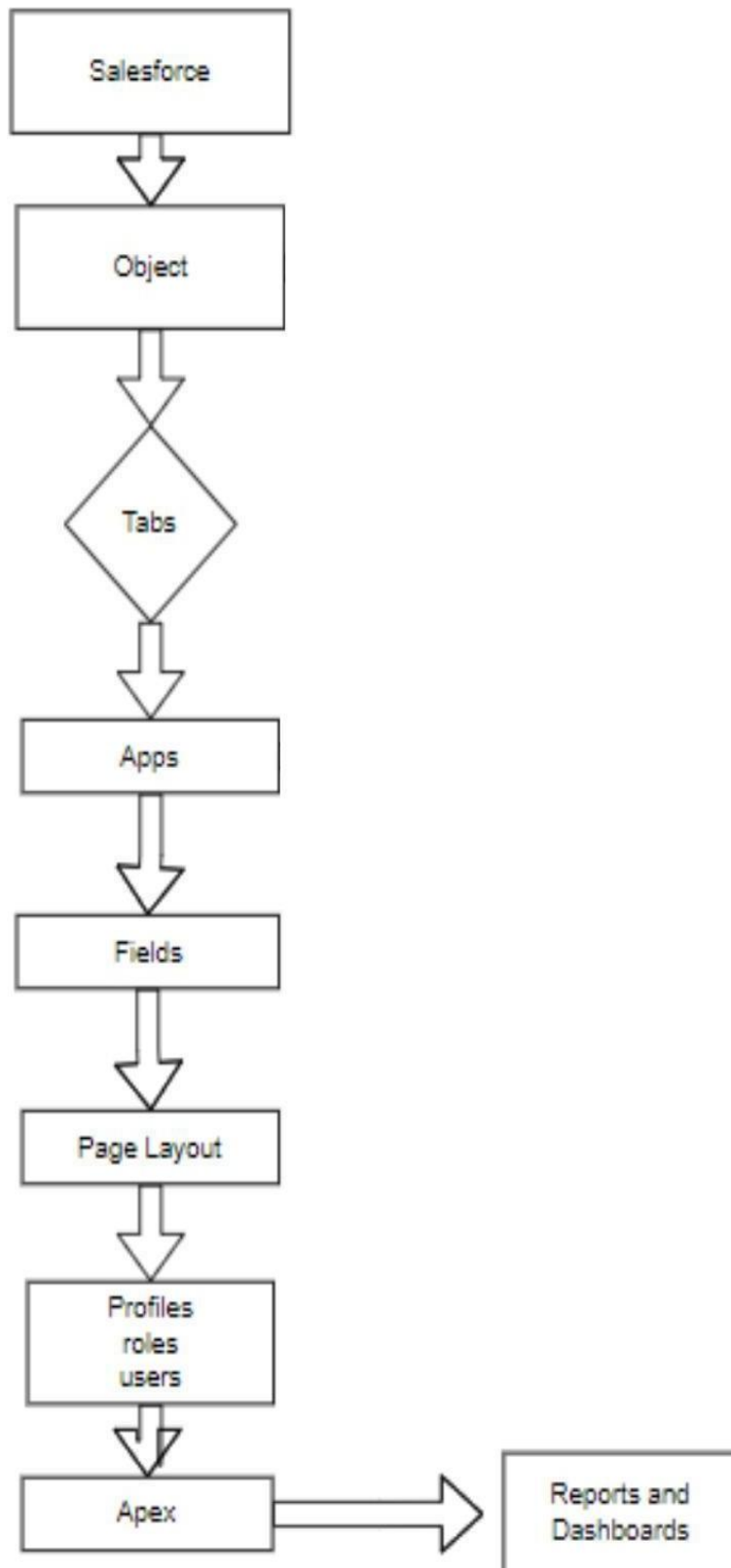
The Garage Management System is a valuable tool for automotive repair facilities, helping them deliver top-notch service, increase operational efficiency, and build lasting customer relationships. With its user-friendly interface and powerful features, GMS empowers garages to thrive in a competitive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

### Technical Architecture:



## OBJECTIVES

### Project Flow



**Goals:**

1. Create Custom Objects
2. Tabs
3. Create Fields and Relationships
4. Create the Lightning App
5. Record Insertion
6. Create Flows
7. Apex Triggers
8. Asynchronous Apex

**System Requirements:**

- Windows 8 machine
- Install with two web browser. Bandwidth of 30mbps



## **Project scope:**

This project involves developing a Garage Management System(GMS) for specifically tailored for automotive service center operations. The application aims to streamline various processes, enhance customer engagement, and improve operational efficiency for Garage Management.

### **1. Stakeholders:**

- Garage Owners/Managers (management team).
- Technicians/staff.
- Vendors/Suppliers
- Customers/visitors of the garage.

### **2. Project team:**

- Project Manager for oversees timelines,scope and budgets.
- Salesforce developer for customize and integrate the system.
- Business analytics for define workflows and align with business needs.

## **In-scope Functionality:**

- **Customer Management** : Centralized customer profiles, service reminders, and feedback tracking.
- **Appointment Scheduling** : Real-time booking, technician assignment, and customer notifications.
- **Inventory Management** : Stock tracking, low-stock alerts, and supplier integration.
- **Billing and Invoice** : Automated invoicing, payment gateway integration, and tax compliance.
- **Analytics and Reporting** : Dashboards for KPIs, customizable reports, and predictive analytics.
- **Workflow Administration** : Service reminders, inventory updates, and task assignments.
- **Multi - Device Access** : Cloud-based, mobile-friendly system for anytime, anywhere access.
- **Integration** : Seamless connection with accounting software and third-party tools.
- **Access Control** : Role-based permissions and audit trails
- **Marketing Tools** : Promotional campaigns and loyalty program management.

## **Out-Scope Functionality:**

- **Mobile App Development :** Creating a standalone mobile app for customer use.
- **Advanced Billing and Payment Integration :** Integrating with third-party billing systems or complex payment gateways outside of the basic invoice features.
- **Custom Reports and Dashboards :** Complex or highly customized reporting tools, if standard Salesforce reports are sufficient.
- **Advanced AI Features :** Implementing advanced machine learning algorithms or predictive analytics for car repair issues beyond standard service scheduling.
- **Integration with Non-Salesforce CRMs :** Integrating the system with other CRM platforms or third-party software outside of the Salesforce ecosystem.
- **Vehicle Telematics Integration :** Integrating with external telematics systems or sensors for real-time vehicle diagnostics.
- **Customer Training:** Extensive training for end-users on Salesforce features or other tools, unless included in the scope.
- **Long-term Support and Maintenance:** Post-launch support, unless specified in the contract or project timeline.

## TECHNICAL REQUIREMENT

### Salesforce Org configuration

#### Introduction:

Are you new to Salesforce? Not sure exactly what it is, or how to use it? Don't know where you should start on your learning journey? If you've answered yes to any of these questions, then you're in the right place. This module is for you.

Welcome to Salesforce! Salesforce is game-changing technology, with a host of productivity-boosting features, that will help you sell smarter and faster. As you work toward your badge for this module, we'll take you through these features and answer the question, "What is Salesforce, anyway?".

#### What Is Salesforce?

Salesforce is your customer success platform, designed to help you sell, service, market, analyze, and connect with your customers.

Salesforce has everything you need to run your business from anywhere. Using standard products and features, you can manage relationships with prospects and customers, collaborate and engage with employees and partners, and store your data securely in the cloud.

So what does that really mean? Well, before Salesforce, your contacts, emails, follow-up tasks, and prospective deals might have been organized something like this:

<https://youtu.be/r9EX3IGde5k>

#### Activity 1: Creating Developer Account

Creating a developer org in salesforce.

1. Go to <https://developer.salesforce.com/signup>
2. On the sign up form, enter the following details :

**Build enterprise-quality apps fast to bring your ideas to life**

- Build apps fast with drag and drop tools
- Customize your data model with clicks
- Go further with Apex code
- Integrate with anything using powerful APIs
- Stay protected with enterprise-grade security
- Customize UI with clicks or any leading-edge web framework

**Sign up for your Salesforce Developer Edition**  
A full-featured copy of the Platform, for free

Complete the form to start your free trial. Our team will be in touch to help you make the most of your trial.

First Name\*  
Your first name

Last Name\*  
Your last name

Email\*  
Your email address

Role\*  
Your job role

Company\*  
Company Name

- 5) Country : India
- 6) Postal Code : pin code
- 7) Username : should be a combination of your name and company

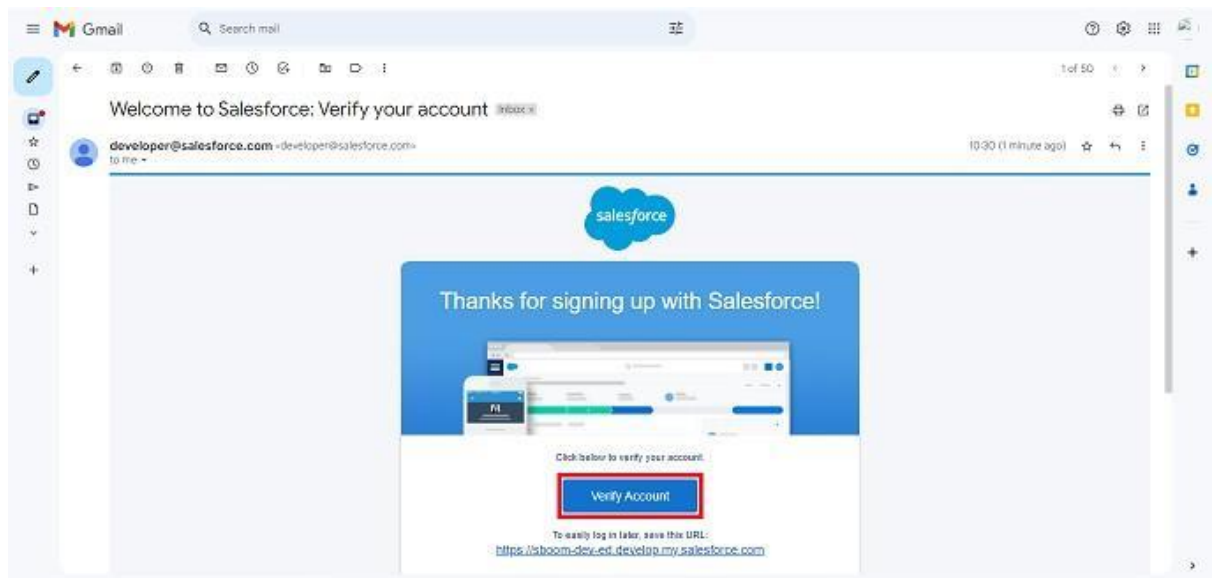
This need not be an actual email id, you can give anything in the format :

[username@organization.com](mailto:username@organization.com)

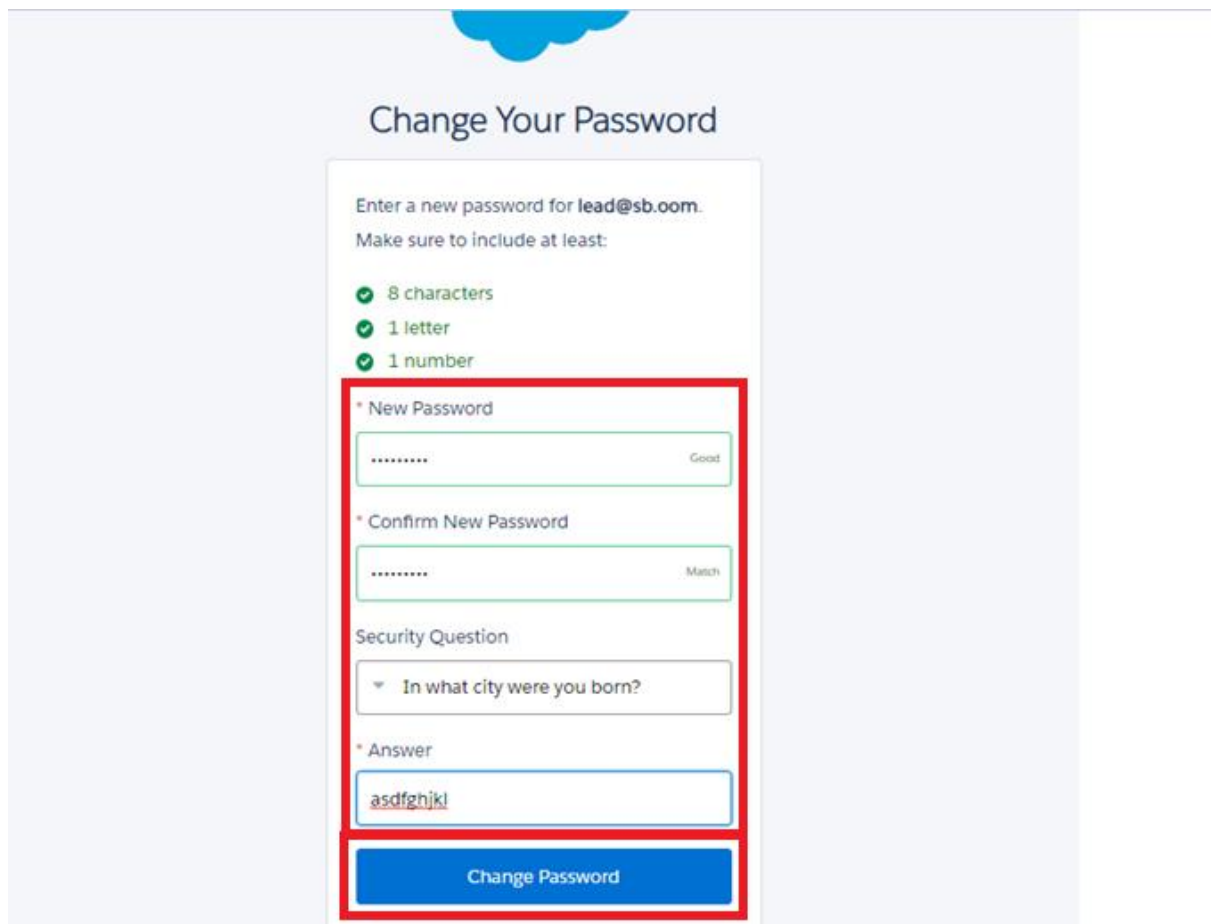
Click on sign me up after filling these.

## Activity 2: Account Activation

1. Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins.



2. Click on Verify Account
3. Give a password and answer a security question and click on change password



Change Your Password

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

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

\* New Password  
[password field] Good

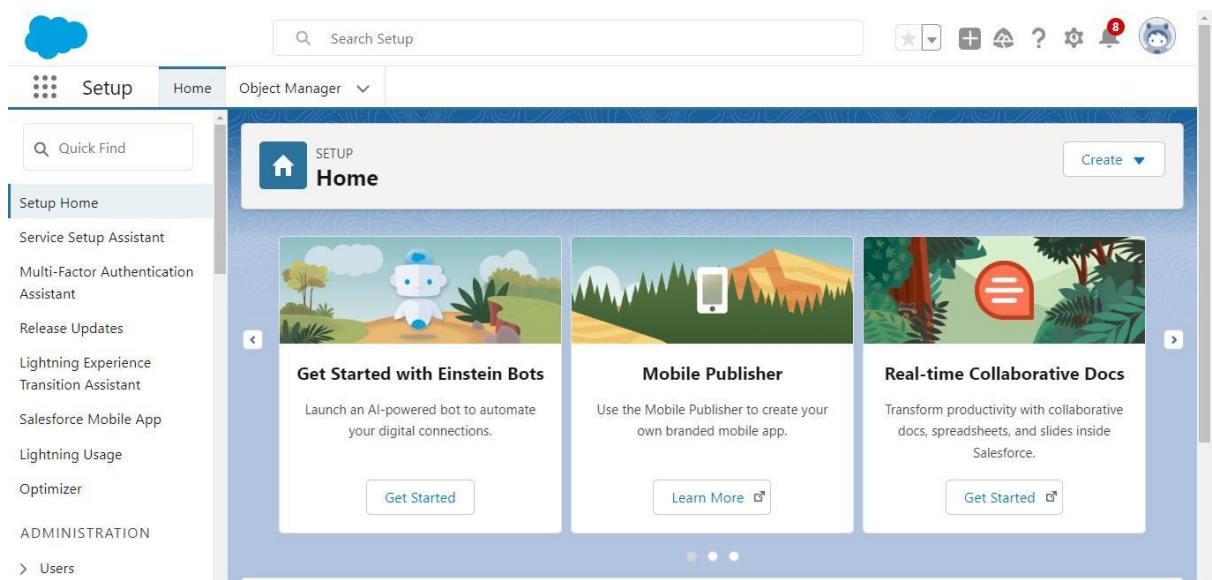
\* Confirm New Password  
[password field] Match

Security Question  
▼ In what city were you born?

\* Answer  
[answer field] asdfghjkl

Change Password

4. Then you will redirect to your salesforce setup page



## CUSTOM OBJECTS

### What Is an Object?

Salesforce objects are database tables that permit you to store data that is specific to an organization.

What are the types of Salesforce objects.

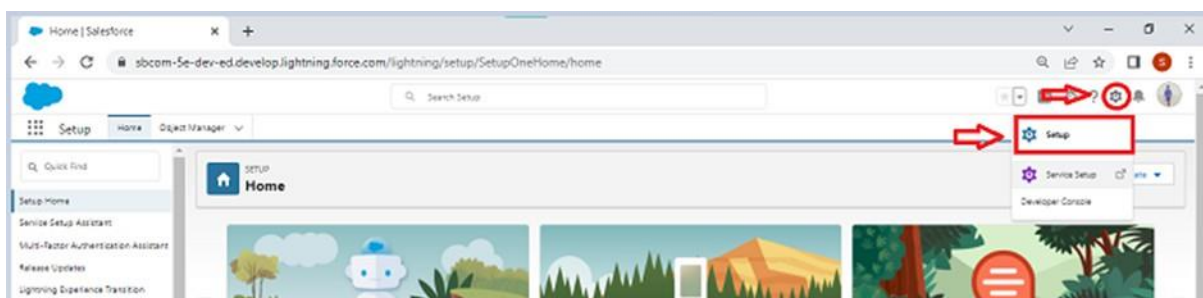
### Salesforce objects are of two types:

**Standard Objects:** Standard objects are the kind of objects that are provided by salesforce.com such as users, contracts, reports, dashboards, etc.

**Custom Objects:** Custom objects are those objects that are created by users. They supply information that is unique and essential to their organization. They are the heart of any application and provide a structure for sharing data.

### To Navigate to Setup page:

Click on gear icon → click setup.



### To create an object:

1.From the setup page → Click on Object Manager → Click on Create → Click on Custom Object.



2. On Custom object defining page:

3. Enter the label name, plural label name, click on Allow reports, Allow search.

The screenshot shows the 'New Custom Object' page in Salesforce. The 'Custom Object Information' section contains the following fields and options:

- Label:** A text field with a red arrow pointing to it. Example: 'Account'.
- Plural Label:** A text field with a red arrow pointing to it. Example: 'Accounts'.
- Object Name:** A text field with a red arrow pointing to it. Example: 'AccountName'.
- Description:** A large text area.
- Context-sensitive help setting:** Two radio buttons: 'Open the standard Salesforce.com help & Training window' (selected) and 'Open a window using a Visualforce page'.
- Enter Record Name Label and Format:** A section with a 'Record Name' field (Example: 'AccountName') and a 'Data Type' dropdown (set to 'Text').
- Optional Features:** A section with checkboxes: 'Allow Reports' (checked, with a red arrow), 'Allow Activities', 'Track Field History', 'Allow in Chatter Groups', and 'Enable Licensing (y)'.

This section shows the 'Optional Features' and 'Search Status' sections of the 'New Custom Object' page:

- Optional Features:** A section with checkboxes: 'Allow Reports' (checked, with a red arrow), 'Allow Activities', 'Track Field History', 'Allow in Chatter Groups', and 'Enable Licensing (y)'.
- Object Classification:** A section with a note: 'When these settings are enabled, this object is classified as an Enterprise Application object. When these settings are disabled, this object is classified as a Light Application object. [Learn more.](#)'
- Deployment Status:** Two radio buttons: 'In Development' and 'Deployed' (selected).
- Search Status:** A section with a note: 'When this setting is enabled, your users can find records of this object type when they search. [Learn more.](#)' and a checkbox 'Allow Search' (checked, with a red arrow).
- Object Creation Options (Available only when custom object is first created):** Two checkboxes: 'Add Notes and Attachments related list to default page layout' and 'Launch New Custom Tab Wizard after saving this custom object'.

At the bottom of the page, there are three buttons: 'Save', 'Save & New', and 'Cancel'. Red arrows point to the 'Save' and 'Save & New' buttons.

4. Click on Save.

**Create Customer Details Object:**

To create an object:

1.From the setup page → Click on Object Manager → Click on Create → Click on Custom Object.

1.Enter the label name→ Customer Details

2.Plural label name→ Customer Details

3.Enter Record Name Label and Format

- Record Name : Customer Name
- Data Type : Text

2.Click on Allow reports and Track Field History,

3.Allow search → Save.

### **Create Appointment Object:**

To create an object:

1.From the setup page → Click on Object Manager → Click on Create → Click on Custom Object.

1.Enter the label name→ Appointment

2.Plural label name→ Appointments

3.Enter Record Name Label and Format

- Record Name : Appointment Name
- Data Type : Auto Number
- Display Format : app-{000}
- Starting Number : 1

2.Click on Allow reports and Track Field History,

3.Allow search → Save.

### **Create Service records Object:**

To create an object:

1.From the setup page → Click on Object Manager → Click on Create → Click on Custom Object.

1.Enter the label name→ Service records

2.Plural label name→ Service records



3.Enter Record Name Label and Format

- Record Name : Service records Name
- Data Type : Auto Number
- Display Format : ser-{000}
- Starting Number : 1

2.Click on Allow reports and Track Field History,

3.Allow search → Save.

**Create Billing details and feedback Object:**

To create an object:

1.From the setup page → Click on Object Manager → Click on Create → Click on Custom Object.

1.Enter the label name→ Billing details and feedback

2.Plural label name→ Billing details and feedback

3.Enter Record Name Label and Format

- Record Name : Billing details and feedback Name
- Data Type : Auto Number
- Display Format : bill-{000}
- Starting Number : 1

2.Click on Allow reports and Track Field History,

3.Allow search → Save.

**SYSTEM DESIGN**

## **Tabs**

### **What is Tab :**

A tab is like a user interface that is used to build records for objects and to view the records in the objects.

### **Types of Tabs:**

#### **Custom Tabs**

Custom object tabs are the user interface for custom applications that you build in salesforce.com. They look and behave like standard salesforce.com tabs such as accounts, contacts, and opportunities.

#### **Web Tabs**

Web Tabs are custom tabs that display web content or applications embedded in the salesforce.com window. Web tabs make it easier for your users to quickly access content and applications they frequently use without leaving the salesforce.com application.

#### **Visualforce Tabs**

Visualforce Tabs are custom tabs that display a Visualforce page. Visualforce tabs look and behave like standard salesforce.com tabs such as accounts, contacts, and opportunities.

#### **Lightning Component Tabs**

Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app.

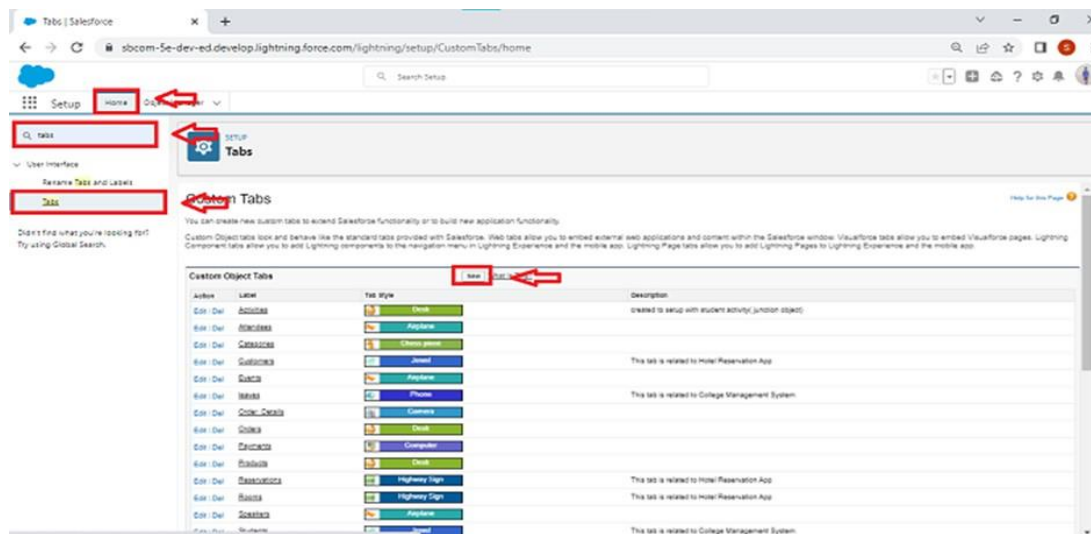
#### **Lightning Page Tabs**

Lightning Page Tabs let you add Lightning Pages to the mobile app navigation menu. Lightning Page tabs don't work like other custom tabs. Once created, they don't show up on the All Tabs page when you click the Plus icon that appears to the right of your current tabs. Lightning Page tabs also don't show up in the Available Tabs list when you customise the tabs for your apps.

## To Create a Custom Tab

### Create a Customer Details Tab :

1.Go to setup page → type Tabs in Quick Find bar → click on tabs → New (under custom object tab)



### New Custom Object Tab

Help for this Page

Step 1. Enter the Details

Step 1 of 3

Choose the custom object for this new custom tab. Fill in other details.

Select an existing custom object or [create a new custom object now](#)

Object

Customer Details

Tab Style

(Optional) Choose a Home Page Custom Link to show as a splash page the first time your users click on this tab.

Splash Page Custom Link

—None—

Enter a short description.

Description

Next

Cancel

Tab Style Selector

Create your own style

Hide styles which are used on other tabs

Airplane

Alarm clock

Apple

Balls

Bank[1]

Bell

Big top

Boat[1]

Books

Bottle

Box

Bridge

Building

Building Block

Caduceus

Camera

Can

Car

Castle

CD/DVD

Cell phone

Chalkboard

Chess piece

Chip

Circle

Compass

Computer

Credit card

CRT TV

Cup

Desk[1]

Diamond

Dice

Factory

Fan

Flag

Form

Gears

Globe

Guitar

Hammer

Hands

Handsaw

Headset

Heart[1]

Helicopter

Hexagon

Highway Sign

Hot Air Balloon

Insect

IP Phone

Jewel

Keys

Laptop

Leaf

Lightning

Save

Cancel

Analytics Studio (standard\_\_Insights)

☐

Sales Console (standard\_\_LightningSalesConsole)

☐

Service Console (standard\_\_LightningService)

☐

Sales (standard\_\_LightningSales)

☐

Lightning Usage App (standard\_\_LightningInstrumentation)

☐

Digital Experiences (standard\_\_SalesforceCMS)

☐

Queue Management (standard\_\_QueueManagement)

☐

Bolt Solutions (standard\_\_LightningBolt)

☐

Data Manager (standard\_\_DataManager)

☐

Salesforce Scheduler Setup (standard\_\_LightningScheduler)

☐

☒ Append tab to users' existing personal customizations

Previous

Save

Cancel

Step 3. Add to Custom Apps

Step 3 of 3

Choose the custom apps for which the new custom tab will be available. You may also examine or alter the visibility of tabs from the detail and edit pages of each Custom App.

Custom App

☐ Include Tab

Platform (standard\_\_Platform)

☐

Sales (standard\_\_Sales)

☐

Service (standard\_\_Service)

☐

Marketing (standard\_\_Marketing)

☐

Sample Console (standard\_\_ServiceConsole)

☐

High Volume Customer Portal User

☐

Authenticated Website User

☐

App Launcher (standard\_\_AppLauncher)

☐

2.Select Object(Customer Details) → Select the tab style → Next (Add to profiles page) keep it as default → Next (Add to Custom App) uncheck the include tab .

3.Make sure that the Append tab to users' existing personal customizations is checked.

4.Click save.

### **Create Remaining Tabs :**

- Appointments.
- Service records.
- Billing details and feedback.

Follow the same steps as Customer Details Tab Creation.

## **The Lightning App:**

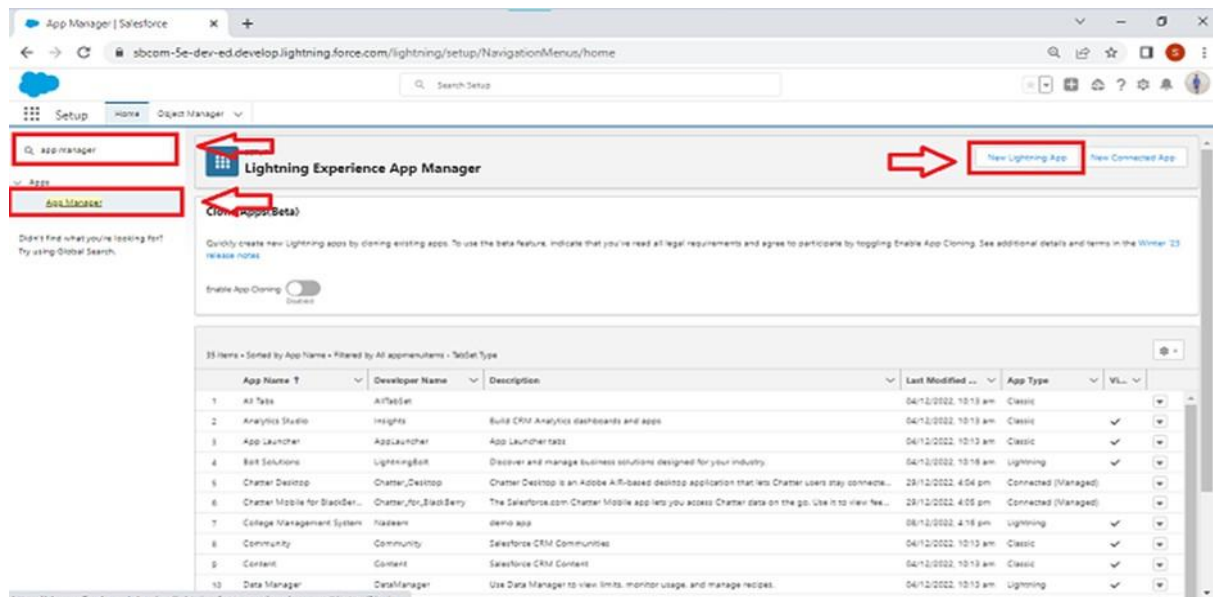
An app is a collection of items that work together to serve a particular function. In Lightning Experience, Lightning apps give your users access to sets of objects, tabs, and other items all in one convenient bundle in the navigation bar.

Lightning apps let you brand your apps with a custom colour and logo. You can even include a utility bar and Lightning page tabs in your Lightning app. Members of your org can work more efficiently by easily switching between apps.

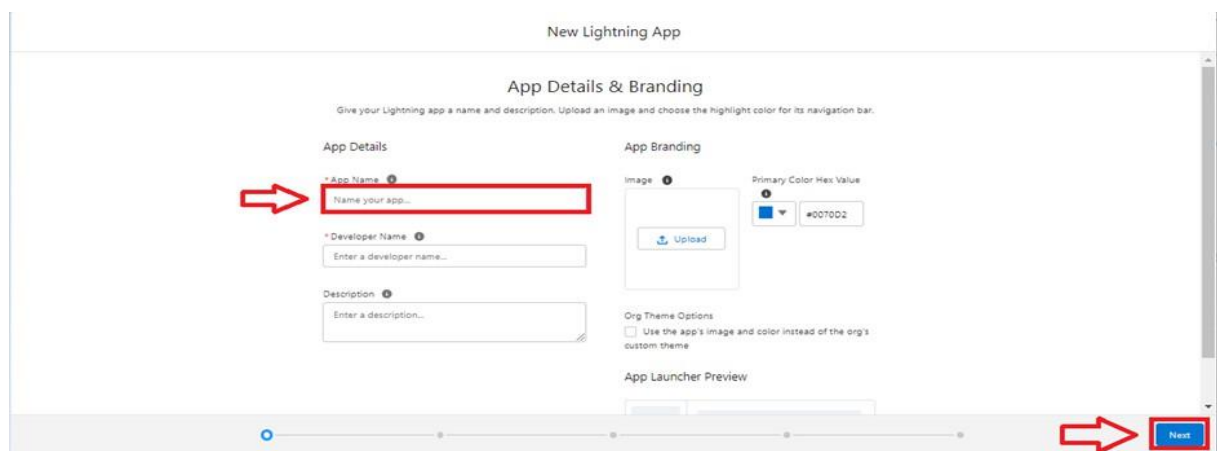
### **Create a Lightning App**

#### **To create a lightning app page:**

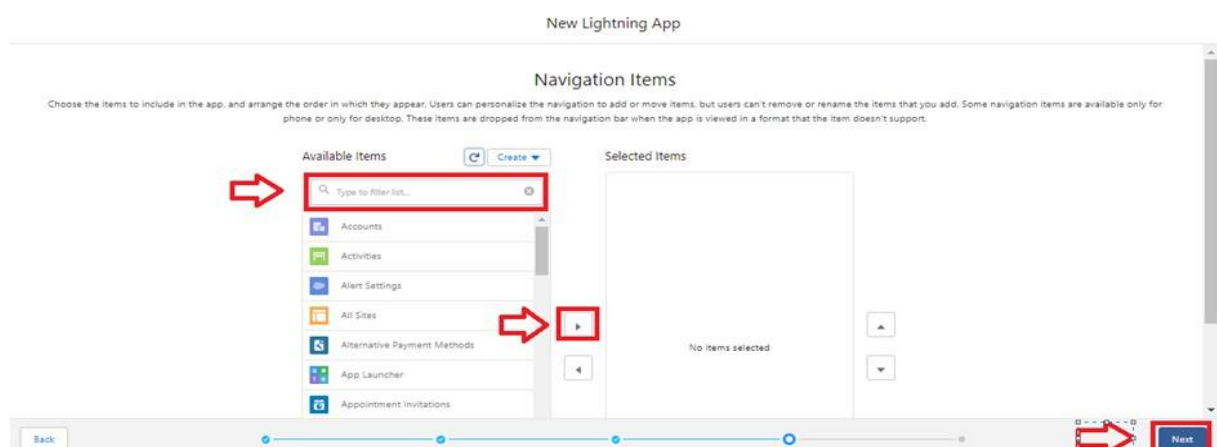
1.Go to setup page → search “app manager” in quick find → select “app manager” → click on New lightning App



2.Fill the app name in app details as Garage Management Application →Next → (App option page) keep it as default → Next → (Utility Items) keep it as default → Next

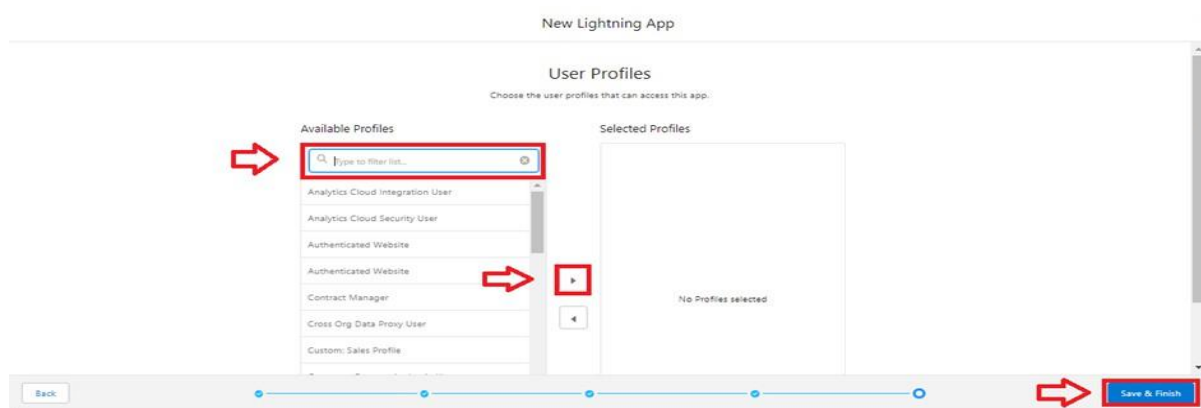


3.To Add Navigation Items : Select the items (Customer Details,Appointments, Service records, Billing details and feedback, Reports and Dashboards) from the search bar and move it using the arrow button



→ Next.

4.To Add User Profiles: Search profiles (System administrator) in the search bar → click on the arrow button → save & finish.



## **Fields and Relationship**

### **What is Fields ?**

When we talk about Salesforce, Fields represent the data stored in the columns of a relational database. It can also hold any valuable information that you require for a specific object. Hence, the overall searching, deletion, and editing of the records become simpler and quicker.

### **Types of Fields**

1.Standard Fields

2.Custom Fields

### **Standard Fields:**

As the name suggests, the Standard Fields are the predefined fields in Salesforce that perform a standard task. The main point is that you can't simply delete a Standard Field until it is a non-required standard field. Otherwise, users have the option to delete them at any point from the application freely. Moreover, we have some fields that you will find common in every Salesforce application. They are,

- Created By
- Owner
- Last Modified
- Field Made During object Creation

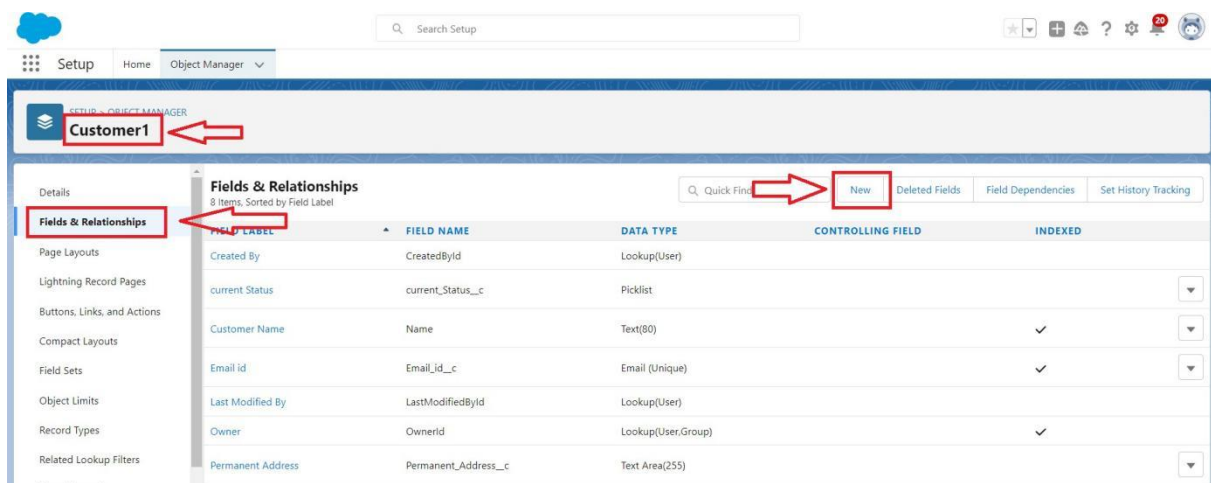
### Custom Fields:

On the other side of the coin, Custom Fields are highly flexible, and users can change them according to requirements. Moreover, each organiser or company can use them if necessary. It means you need not always include them in the records, unlike Standard fields. Hence, the final decision depends on the user, and he can add/remove Custom Fields of any given form.

### Creation of fields for the Customer Details object

#### To create fields in an object:

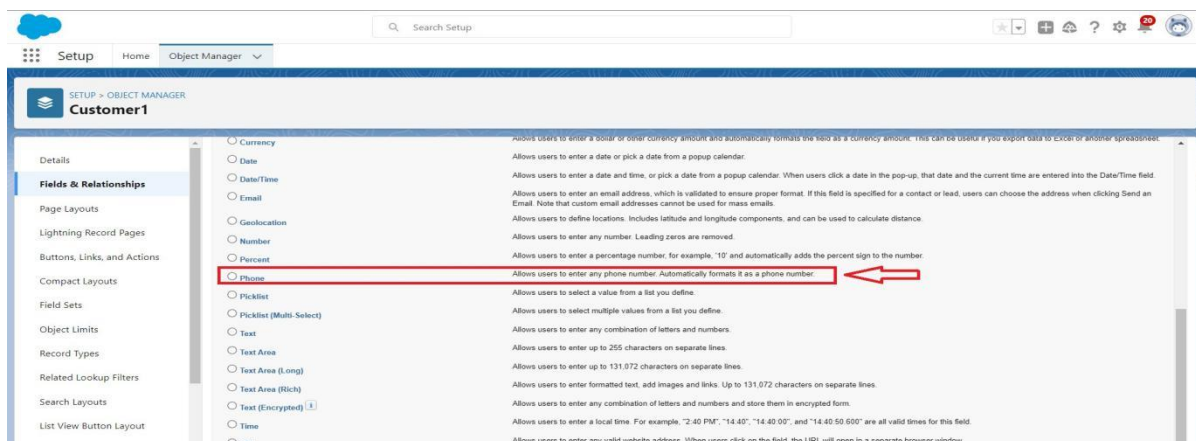
- 1.Go to setup → click on Object Manager → type object name(Customer Details) in search bar → click on the object.
- 2.Now click on “Fields & Relationships” → New



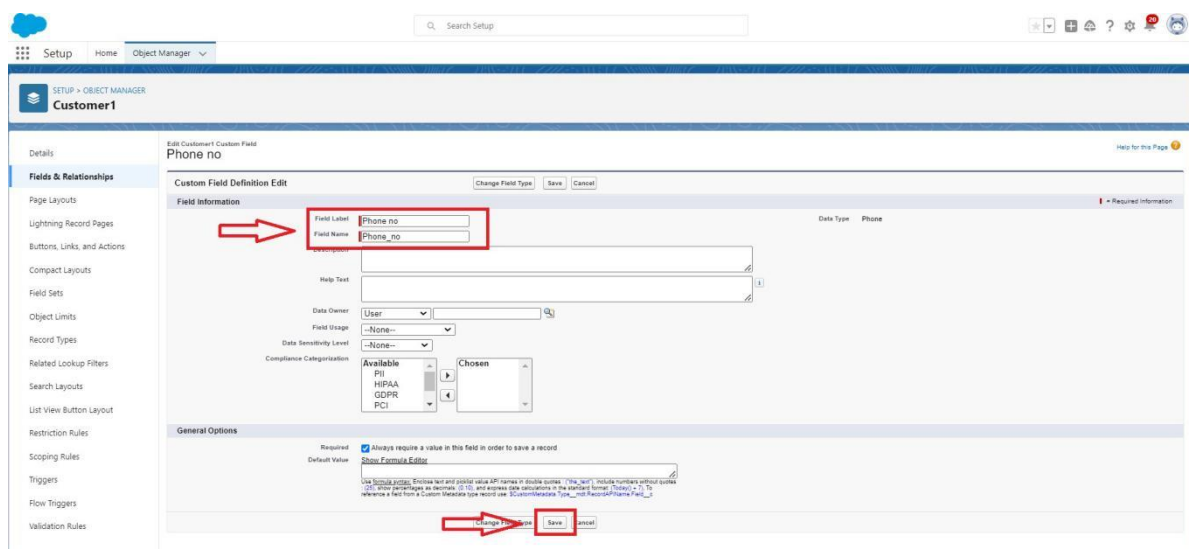


Object Manager					
2 Items, Sorted by Label					
LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Customer	Customer	Standard Object			
Customer Details	Customer_Details__c	Custom Object		05/10/2023	✓

### 3. Select Data Type as a “Phone”



### 4. Click on next.



### 5. Fill the Above as following:

- Field Label: Phone number

- Field Name : gets auto generated
- Click on Next → Next → Save and new

Note: Follow the above steps for the remaining field for the same object.

### To create another fields in an object:

1.Go to setup → click on Object Manager → type object name(Customer Details) in search bar → click on the object.

2.Now click on “Fields & Relationships” → New

3.Select Data type as a “Email” and Click on Next

4.Fill the Above as following:

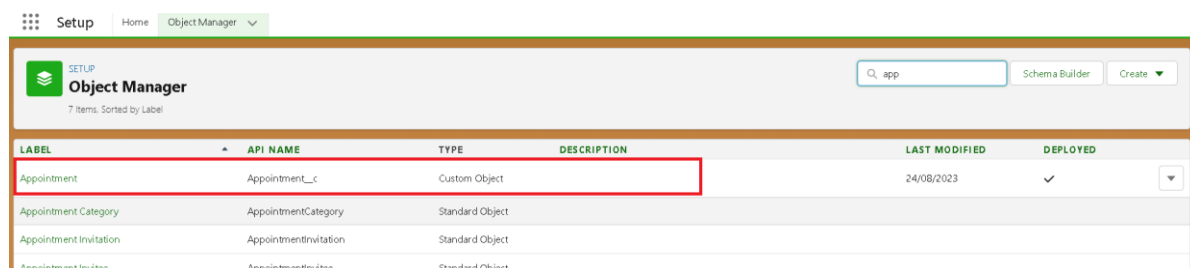
- Field Label : Gmail
- Field Name : gets auto generated

5.Click on Next → Next → Save and new.

### Creation of Lookup Fields:

#### Creation of Lookup Field on Appointment Object :

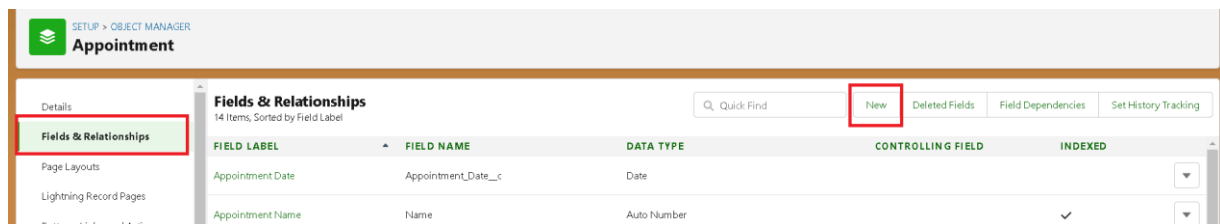
1.Go to setup → click on Object Manager → type object name( Appointment ) in the search bar → click on the object.



The screenshot shows the Salesforce Object Manager interface. At the top, there is a navigation bar with 'Setup', 'Home', and 'Object Manager' (selected). Below this is a search bar with 'app' entered, and buttons for 'Schema Builder' and 'Create'. The main area displays a table of objects. The first row, 'Appointment', is highlighted with a red box. The table has columns for LABEL, API NAME, TYPE, DESCRIPTION, LAST MODIFIED, and DEPLOYED.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Appointment	Appointment_c	Custom Object		24/08/2023	✓
Appointment Category	AppointmentCategory	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			

2. Now click on “Fields & Relationships” → New



3. Select “Look-up relationship” as data type and click Next.

The screenshot shows a dialog box titled 'Specify the type of information that the custom field will contain.' It has a 'Data Type' section with several radio button options. The 'Look-up Relationship' option is selected and highlighted with a red circle. A red arrow points to the 'Next' button in the top right corner. The other options are 'None Selected', 'Auto Number', 'Formula', 'Roll-Up Summary', and 'Master-Detail Relationship'. Each option has a brief description of its function.

4. Select the related object “ Customer Details” and click next.

5. Next → Next → Save.

### Creation of Lookup Field on Service records Object :

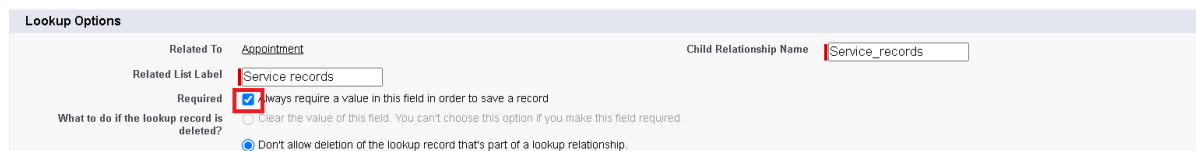
1. Go to setup → click on Object Manager → type object name( Service records ) in search bar → click on the object.

2. Now click on “Fields & Relationships” → New

3. Select “Look-up relationship” as data type and click Next.

4. Select the related object “ Appointment ” and click next.

5. Make it a required field so click on Required.

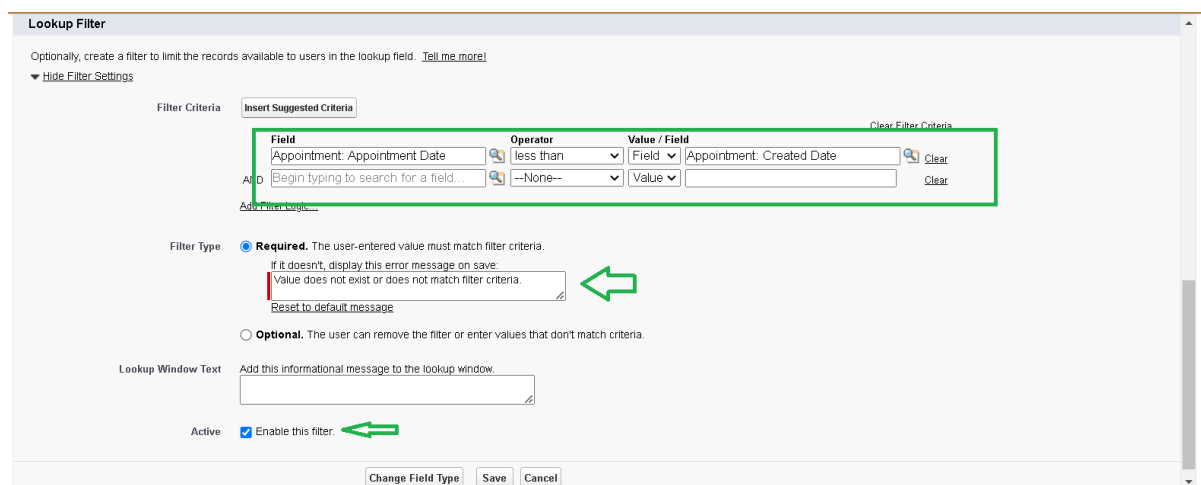


6.Scroll down for Lookup Filter and click on Show filter settings.

7.Now add the filter criteria.

8.Field : Appointment: Appointment Date → Operator : less than →select field → Appointment: Created Date

9.Filter type should be Required.



10.Error Message : Value does not match the criteria.

11.Enable the filter by click on Active.

12.Next → Next → Save.

## Creation of Lookup Field on Billing details and feedback Object :

1.Go to setup → click on Object Manager → type object name( Billing details and feedback ) in search bar → click on the object.

2.Now click on “Fields & Relationships” → New

3.Select “Look-up relationship” as data type and click Next.

4.Select the related object “ Service records” and click next.

5.Next → Next → Save & new.

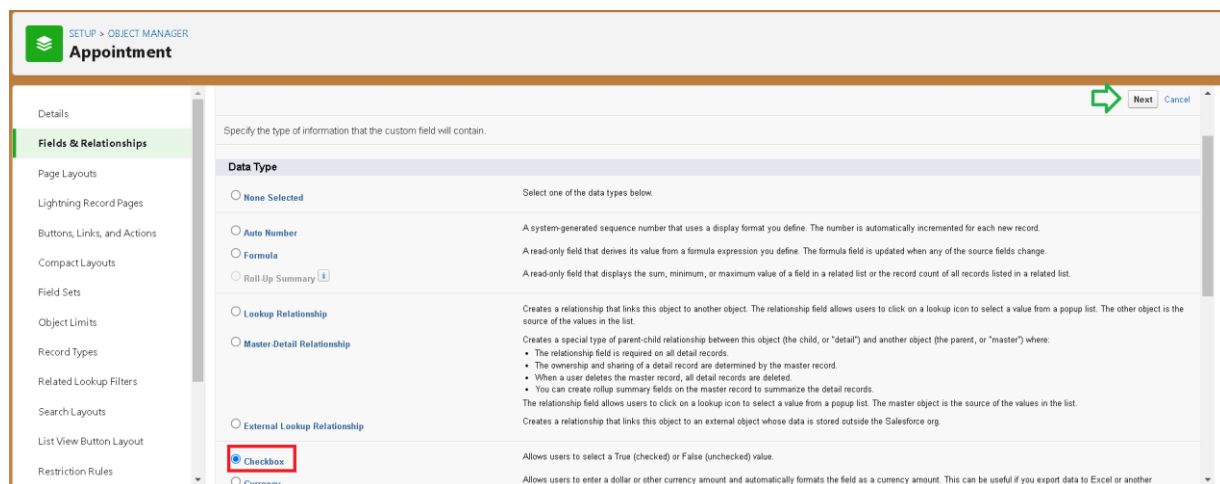
## Creation of Checkbox Fields:

### Creation of Checkbox Field on Appointment Object :

1.Go to setup → click on Object Manager → type object name( Appointment ) in search bar → click on the object.

2.Now click on “Fields & Relationships” → New

3.Select “Check box” as data type and click Next.



4.Give the Field Label : Maintenance service

5.Field Name : is auto populated

6.Default value : unchecked



7. Click on next → next → save.

**Creation of Another Checkbox Fields on Appointment Object :**

8. Repeat the steps from 1 to 3.

9. Give the Field Label : Repairs

10. Field Name : is auto populated

11. Default value : unchecked

12. Click on next → next → save.

13. Follow the same and create another checkbox with given names

14. Give the Field Label : Replacement Parts

15. Field Name : is auto populated

16. Default value : unchecked

17. Click on next → next → save.

**Creation of Checkbox Field on Service records Object :**

1. Go to setup → click on Object Manager → type object name( Service records ) in search bar → click on the object.

2. Now click on “Fields & Relationships” → New.

3. Select “Check box” as data type and click Next.

4. Give the Field Label : Quality Check Status

5. Field Name : is auto populated

6.Default value : unchecked

7.Click on next → next → save

### Creation of date Fields:

#### Creation of Date Field on Appointment Object :

1.Go to setup → click on Object Manager → type object name( Appointment ) in the search bar → click on the object.

2.Now click on “Fields & Relationships” → New.

3.Select “Date” as data type and click Next.

4.Give the Field Label : Appointment Date

5.Field Nme : is auto populated

6.Make it as a Required field by clicking on the Required option.

7.Click on next → next → save.

Appointment  
New Custom Field

Help for this Page

Step 2. Enter the details Step 2 of 4

Previous Next Cancel

Field Label Appointment Date

Field Name Appointment\_Date

Description

Help Text

Required ☒ Always require a value in this field in order to save a record

Auto add to custom report type ☒ Add this field to existing custom report types that contain this entity

Default Value Show Formula Editor

### Creation of Currency Fields:

## Creation of Currency Field on Appointment Object :

- 1.Go to setup → click on Object Manager → type object name( Appointment ) in the search bar → click on the object.
- 2.Now click on “Fields & Relationships” → New.
- 3.Select “Currency” as data type and click Next.
- 4.Give the Field Label : Service Amount
- 5.Field Nme : is auto populated

The screenshot shows a software configuration window titled "Step 2. Enter the details" with a "Step 2 of 4" indicator in the top right corner. Navigation buttons "Previous", "Next", and "Cancel" are located in the top right. The form contains the following fields and options:

- Field Label:** A text box containing "Service Amount" with an information icon (i) to its right.
- Instructions:** A line of text reads: "Please enter the length of the number and the number of decimal places. For example, a number with a length of 8 and 2 decimal places can accept values up to \*12345678.90\*."
- Length:** A text box containing "18" with the label "Number of digits to the left of the decimal point" below it.
- Decimal Places:** A text box containing "0" with the label "Number of digits to the right of the decimal point" below it.
- Field Name:** A text box containing "Service\_Amount" with an information icon (i) to its right.
- Description:** An empty text box with a small icon in the bottom right corner.
- Help Text:** An empty text box with an information icon (i) to its right and a small icon in the bottom right corner.
- Required:** A checkbox labeled "Always require a value in this field in order to save a record" which is currently unchecked.
- Auto add to custom report type:** A checkbox labeled "Add this field to existing custom report types that contain this entity" which is checked.

- 6.Click on next



7. Give read only for all the profiles in field level security for profile.

Appointment  
New Custom Field

Help for this Page ?

Step 3. Establish field-level security Step 3 of 4

Previous Next Cancel

Field Label Service Amounts  
Data Type Currency  
Field Name Service\_Amounts  
Description

Select the profiles to which you want to grant edit access to this field via field-level security. The field will be hidden from all profiles if you do not add it to field-level security.

Field-Level Security for Profile	<input checked="" type="checkbox"/> Visible	<input checked="" type="checkbox"/> Read-Only
Analytics Cloud Integration User	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analytics Cloud Security User	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Authenticated Website	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Authenticated Website	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Contract Manager	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Cross Org Data Proxy User	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

8. Click on next → save.

### Creation of Currency Field on Billing details and feedback Object :

1. Follow the same steps as mentioned above in Billing details and feedback Object.

2. Change the label name as mentioned.

3. Give the Field Label : Payment Paid

4. Field Name : is auto populated

### Creation of Text Fields:

1. Go to setup → click on Object Manager → type object name( Appointment ) in the search bar → click on the object.

2. Now click on “Fields & Relationships” → New.

3. Select “Text” as data type and click Next.

4. Give the Field Label : Vehicle number plate

5.Field Name : is auto populated

6.Length : 10

7.Make the field as Required and Unique.

Step 2. Enter the details Step 2 of 4

[Previous](#) [Next](#) [Cancel](#)

Field Label  ⓘ

Please enter the maximum length for a text field below.

Length

Field Name  ⓘ

Description

Help Text  ⓘ

Required ☒ Always require a value in this field in order to save a record

Unique ☒ Do not allow duplicate values

☒ Treat "ABC" and "abc" as duplicate values (case insensitive)  
☐ Treat "ABC" and "abc" as different values (case sensitive)

External ID ☐ Set this field as the unique record identifier from an external system

Auto add to custom report type ☒ Add this field to existing custom report types that contain this entity ⓘ

8.Click on next → next → save.

### Creation of Text Fields in Billing details and feedback object :

1.Go to setup → click on Object Manager → type object name( Billing details and feedback ) in search bar → click on the object.

2.Now click on “Fields & Relationships” → New.

3.Select “text” as data type and click Next.

4.Give the Field Label : Rating for service

5.Field Name : is auto populated

6.Length : 1

7.Make field as Required .

8. Click on next → next → save

## Creation of Picklist Fields:

### Creation of Picklist Fields in Service records object :

1. Go to setup → click on Object Manager → type object name (Service records) in search bar → click on the object.

2. Click on fields & relationship → click on New.

3. Select Data type as “Picklist” and click Next.

4. Enter Field Label as “Service Status”, under values select “Enter values, with each value separated by a new line” and enter values as shown below.

5. The values are: Started, Completed.

New Custom Field

Step 2. Enter the details

Step 2 of 4

Previous Next Cancel

Field Label: Service Status

Values:

- ☐ Use global picklist value set
- ☒ Enter values, with each value separated by a new line

Started  
Completed

☐ Display values alphabetically, not in the order entered

☐ Use first value as default value

☒ Restrict picklist to the values defined in the value set

Field Name: Service\_Status

Description:

6. Click Next.

7. Next → Next → Save.

### **Creation of Picklist Fields in Billing details and feedback object :**

- 1.Go to setup → click on Object Manager → type object name(Billing details and feedback) in search bar → click on the object.
- 2.Click on fields & relationship → click on New.
- 3.Select Data type as “Picklist” and click Next.
- 4.Enter Field Label as “Payment Status”, under values select “Enter values, with each value separated by a new line" and enter values as shown below.
- 5.The values are: Pending, Completed.
- 6.Click Next.
- 7.Next → Next → Save.

### **Creating Formula Field in Service records Object**

- 1.Go to setup → click on Object Manager → type object name(Service records) in search bar → click on the object.
- 2.Click on fields & relationship → click on New.
- 3.Select Data type as “Formula” and click Next.
- 4.Give Field Label and Field Name as “service date” and select formula return type as “Date” and click next.

Step 2. Choose output type Step 2 of 5

Previous Next Cancel

Field Label  Field Name

Auto add to custom report type ☒ Add this field to existing custom report types that contain this entity

**Formula Return Type**

☐ None Selected Select one of the data types below.

☐ Checkbox Calculate a boolean value  
Example: `TODAY() > CloseDate`

☐ Currency Calculate a dollar or other currency amount and automatically format the field as a currency amount.  
Example: `Gross Margin = Amount - Cost_c`

☒ Date Calculate a date, for example, by adding or subtracting days to other dates.  
Example: `Reminder Date = CloseDate - 7`

☐ Date/Time Calculate a date/time, for example, by adding a number of hours or days to another date/time.  
Example: `Next = NOW() + 1`

5.Insert field formula should be : CreatedDate

**Insert Field**

Select a field, then click Insert. Labels followed by a ">" indicate that there are more fields available.

- \$Api >
- \$Label >
- \$Organization >
- \$Profile >
- \$System >
- \$User >
- \$UserRole >

- Appointment
- Appointment >
- Created By >
- Created By ID
- Created Date**
- Last Activity Date
- Last Modified By >
- Last Modified By ID
- Last Modified Date

You have selected:

**CreatedDate**

Type: Date/Time

API Name: CreatedDate

**Insert**

Close

Step 3. Enter formula Step 3 of 5

Previous Next Cancel

Enter your formula and click Check Syntax to check for errors. Click the Advanced Formula subtab to use additional fields, operators, and functions.

Example: `Reminder Date = CloseDate - 7` [More Examples...](#)

Simple Formula **Advanced Formula**

Insert Field Insert Operator

service dates (Date) = CreatedDate

**Quick Tips**  
 • [Getting Started](#)  
 • [Operators & Functions](#)

Functions  
 -- All Function Categories --  
 ABS  
 ACOS  
 ADDMONTHS  
 AND  
 ASCII

6.click "Check Syntax" .

7.Click next → next → Save.

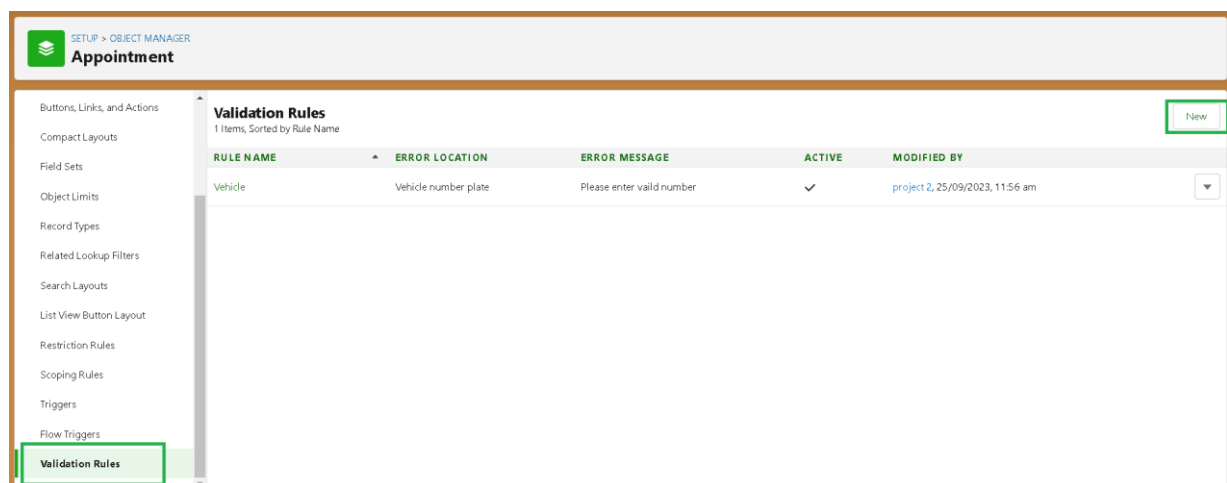
## Validation rule

Validation rules are applied when a user tries to save a record and are used to check if the data meets specified criteria. If the criteria are not met, the validation rule triggers an error message and prevents the user from saving the record until the issues are resolved.

### To create a validation rule to an Appointment Object

1.Go to the setup page → click on object manager → From drop down click edit for **Appointment** object.

2.Click on the validation rule → click New.



3.Enter the Rule name as “ Vehicle ”.

4.Insert the Error Condition Formula as : -

NOT(REGEX( Vehicle\_number\_plate c , "[A-Z]{2}[0-9]{2}[A-Z]{2}[0-9]{4}"))

5. Enter the Error Message as “Please enter valid number”, select the Error location as Field and select the field as “Vehicle number plate”, and click Save.

### To create a validation rule to an Billing details and feedback Object

1. Go to the setup page → click on object manager → From drop down click edit for **Billing details and feedback object**.

2. Click on the validation rule → click New.

3. Enter the Rule name as “rating\_should\_be\_less\_than\_5”.

4. Insert the Error Condition Formula as :-

NOT( REGEX( Rating\_for\_service\_\_c , "[1-5]{1}"))

5. Enter the Error Message as “rating should be from 1 to 5”, select the Error location as Field and select the field as “Rating for Service”, and click Save.

**Validation Rule Edit** Save Save & New Cancel

Rule Name rating\_should\_be\_less\_than\_5

Active ☒

Description

**Error Condition Formula** ! = Required Information

**Quick Tips**

- [Operators & Functions](#)

## Duplicate rule

### To create a matching rule to an Customer details Object

1.Go to quick find box in setup and search for matching Rule.

2.Click on matching rule → click on New Rule.

**Error Message**

**Example:** Discount percent cannot exceed 30%

This message will appear when Error Condition formula is **true**

Error Message rating should be from 1 to 5

This error message can either appear at the top of the page or below a specific field on the page

**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

3.Select the object as Customer details and click Next.

4.Give the Rule name : Matching customer details

5.Unique name : is auto populated



## 6. Define the matching criteria as

Matching Rule  
New Matching Rule [Help for this Page](#)

Step 1: Select object Step 1 of 2

Select the object to which this matching rule applies.

Object Customer Details

[Next](#) [Cancel](#)

[Next](#) [Cancel](#)

## 7. Field Matching Method

1. Gmail Exact

2. Phone Number Exact

8. Click save.

9. After Saving Click on Activate.

Save Cancel

Rule Details ! = Required Information

Object Customer Details

Rule Name matching Customer deta

Unique Name matching\_Customer\_det

Description

Matching Criteria

Tell the rule which fields to compare and how.

Field	Matching Method	Match Blank Fields
Gmail	Exact	<input type="checkbox"/> AND
Phone Number	Exact	<input type="checkbox"/> AND
--None--	Exact	<input type="checkbox"/> AND
--None--	Exact	<input type="checkbox"/> AND
--None--	Exact	<input type="checkbox"/> AND

Add Filter Logic...

[Save](#) [Cancel](#)

Matching Rule [Help for this Page](#)

matching Customer details

Matching Rule Detail [Edit](#) [Delete](#) [Clone](#) [Activate](#)

Object	Customer Details
Rule Name	matching Customer details
Unique Name	matching_Customer_details
Description	
Matching Criteria	{Customer Details: Gmail EXACT MatchBlank = FALSE} AND {Customer Details: Phone Number EXACT MatchBlank = FALSE}
Status	Inactive
Created By	project_2, 25/09/2023, 10:15 am
Modified By	project_2, 10/10/2023, 3:32 pm

## To create a Duplicate rule to an Customer details Object

1. Go to quick find box in setup and search for Duplicate rules.

2. Click on Duplicate rule → click on New Rule → select customer details object.

Q Dupli

▼ Data

▼ Duplicate Management

Duplicate Error Logs

**Duplicate Rules**

Matching Rules

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

**SETUP**  
**Duplicate Rules**

All Duplicate Rules [Help for this Page](#)

What Are Duplicate Rules? [\[ Expand \]](#)

View: [ All Duplicate Rules ]

Rule Name	Description	Matching Rule	Active	Last Modified By	Last Modified Date
Customer Detail duplicate		Matching Customer details	<input type="checkbox"/>	g2	10/10/2023
Standard Account Duplicate Rule	Identify accounts that duplicate other accounts.	Standard Account Matching Rule	<input checked="" type="checkbox"/>	g2	24/08/2023
Standard Contact Duplicate Rule	Identify contacts that duplicate other contacts and leads.	Standard Lead Matching Rule	<input checked="" type="checkbox"/>	g2	24/08/2023
Standard Lead Duplicate Rule	Identify leads that duplicate other leads and contacts.	Standard Contact Matching Rule	<input checked="" type="checkbox"/>	g2	24/08/2023

New Rule

- Account
- Appointment
- Billing details and feedback
- Contact
- Customer Details**
- Environment
- Individual
- Laptop
- Lead

3. Give the Rule name as : Customer Detail duplicate

4. Scroll a little in Matching rule section

5. Select the matching rule : Matching customer details

6. And Click on save.

7. After saving the Duplicate Rule, Click on Activate.

Edit Duplicate Rule  
Customer Detail duplicate [Help for this Page](#)

**Duplicate Rule Edit** [Save](#) [Save & New](#) [Cancel](#)

**Rule Details** ! = Required Information

Rule Name  ←

Description

Object Customer Details

Record-Level Security ☒ Enforce sharing rules ☐ Bypass sharing rules [i](#)

**Actions**

Specify what happens when a user tries to save a duplicate record.

Action On Create  ☒ Alert ☐ Report

Action On Edit  ☐ Alert ☐ Report

Alert Text  [i](#)

**Matching Rules**

Define how duplicate records are identified.

Compare Customer Details With: Customer Details

Matching Rule: matching Customer details

Matching Criteria: (Customer Details: Email EXACT Match(Blank = FALSE)) AND (Customer Details: Phone\_Number EXACT Match(Blank = FALSE))

Field Mapping: Mapping Selected

Add Rule Remove Rule

**Conditions**

Optionally, specify the conditions a record must meet for the rule to run.

Field	Operator	Value	
--None--	--None--		AND
--None--	--None--		AND
--None--	--None--		AND
--None--	--None--		AND
--None--	--None--		AND

Add Filter Logic...

Save Save & New Cancel

## Profiles

A profile is a group/collection of settings and permissions that define what a user can do in salesforce. Profile controls “Object permissions, Field permissions, User permissions, Tab settings, App settings, Apex class access, Visualforce page access, Page layouts, Record Types, Login hours & Login IP ranges. You can define profiles by the user's job function. For example System Administrator, Developer, Sales Representative.

### **Types of profiles in salesforce**

#### **1.Standard profiles:**

By default salesforce provides below standard profiles.

- Contract Manager
- Read Only
- Marketing User
- Solutions Manager
- Standard User
- System Administrator.

We cannot delete standard ones

Each of these standard ones includes a default set of permissions for all of the standard objects available on the platform.

## Custom Profiles:

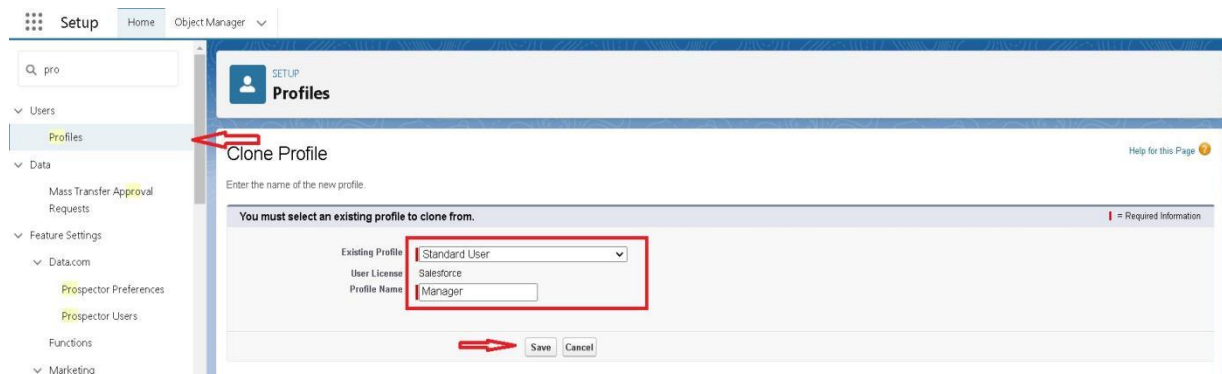
Custom ones defined by us.

They can be deleted if there are no users assigned with that particular one.

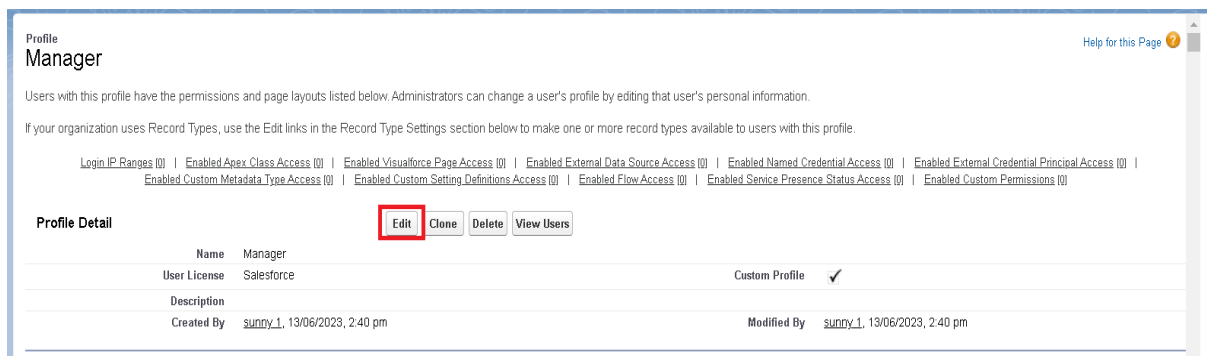
## Manager Profile

### To create a new profile:

1. Go to setup → type profiles in quick find box → click on profiles → clone the desired profile (Standard User) → enter profile name (Manager) → Save.



2. While still on the profile page, then click Edit.



3. Select the Custom App settings as default for the Garage management.



4. Scroll down to Custom Object Permissions and Give access permissions for Appointments, Billing details and feedback, service records and customer details objects as mentioned in the below diagram.

	Basic Access				Data Administration	
	Read	Create	Edit	Delete	View All	Modify All
Appointments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Billing details and feedback	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Customer Details	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Environments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Basic Access				Data Administration	
	Read	Create	Edit	Delete	View All	Modify All
Laptops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Service records	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SessionData	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. Changing the session times out after should be “ 8 hours of inactivity”.

6. Change the password policies as mentioned :

7. User passwords expire in should be “ never expires ”.

8. Minimum password length should be “ 8 ”, and click save.

## Sales Person Profile

1. Go to setup → type profiles in quick find box → click on profiles → clone the desired profile (Salesforce Platform User) → enter profile name (sales person) → Save.

2. While still on the profile page, then click Edit.

3. Select the Custom App settings as default for the Garage management.

4. Scroll down to Custom Object Permissions and Give access permissions for Appointments, Billing details and feedback, service records and customer details objects as mentioned in the below diagram.

Custom Object Permissions						
	Basic Access				Data Administration	
	Read	Create	Edit	Delete	View All	Modify All
Appointments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Billing details and feedback	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Customer Details	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	Basic Access				Data Administration	
	Read	Create	Edit	Delete	View All	Modify All
Laptops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Service records	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SessionData	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5.And click save.

## Role & Role Hierarchy

A role in Salesforce defines a user's visibility access at the record level. Roles may be used to specify the types of access that people in your Salesforce organization can have to data. Simply put, it describes what a user could see within the Salesforce organization.

### Creating Manager Role

Creating Manager Role:

1.Go to quick find → Search for Roles → click on set up roles.

The screenshot shows the Salesforce Setup interface. In the left sidebar, the 'Setup' menu is open, and 'Roles' is selected under the 'Users' section. The main content area displays 'Understanding Roles' with a sample role hierarchy diagram. The diagram shows a hierarchy starting with 'Executive Staff' (CEO, President, CFO, VP, Sales) at the top, branching down to 'Western Sales Director', 'Eastern Sales Director', and 'International Sales Director'. Each director role further branches into specific sales representative roles (e.g., 'Western Sales Rep', 'Eastern Sales Rep', 'International Sales Rep'). A 'Set Up Roles' button is highlighted in the bottom right corner of the main content area.

2.Click on Expand All and click on add role under whom this role works



3. Give Label as “Manager” and Role name gets auto populated. Then click on Save.

## Creating another roles

Creating another two roles under manager

1. Go to quick find → Search for Roles → click on set up roles.

2. Click plus on CEO role, and click add role under manager.

3. Give Label as “sales person” and Role name gets auto populated. Then click on Save.



## Users

A user is anyone who logs in to Salesforce. Users are employees at your company, such as sales reps, managers, and IT specialists, who need access to the company's records. Every user in Salesforce has a user account. The user account identifies the user, and the user account settings determine what features and records the user can access.

### Create User

1. Go to setup → type users in quick find box → select users → click New user.

2. Fill in the fields

1. First Name : Niklaus

2. Last Name : Mikaelson

3. Alias : Give a Alias Name

4. Email id : Give your Personal Email id

5. Username : Username should be in this form: text@text.text



6.Nick Name : Give a Nickname

7.Role : Manager

8.User licence : Salesforce

9.Profiles : Manager

3.Save.

New User

User Edit Save Save & New Cancel

General Information

First Name: Niklaus  
Last Name: Mikaelson  
Alias: nmika  
Email:   
Username: Mikaelson@Niklaus  
Nickname: nik  
Title:   
Company:   
Department:   
Division:

Required Information

Role: Manger  
User License: Salesforce  
Profile: Manager  
Active: ☒

Marketing User ☐  
Offline User ☐  
Knowledge User ☐  
Flow User ☐  
Service Cloud User ☐  
Site.com Contributor User ☐  
Site.com Publisher User ☐  
WDC User ☐  
Data.com User Type: --None--

## creating another users

1.Repeat the steps and create another user using

1. Role : sales person

2. User licence : Salesforce Platform

3. Profile : sales person

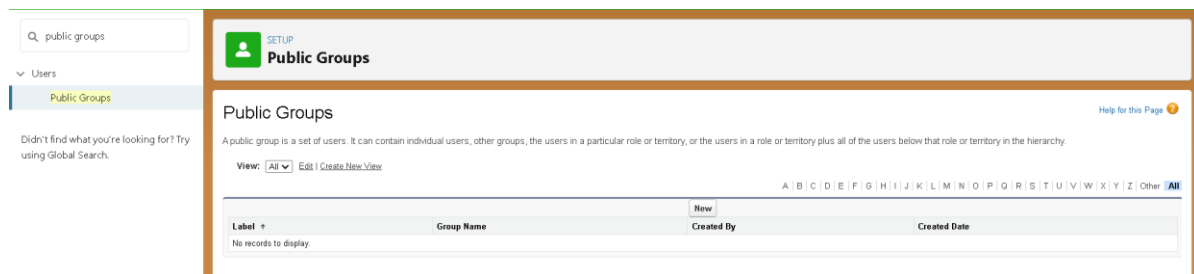
**Note : create atleast 3 users with these permissions.**

## **Public groups**

Public groups are a valuable tool for Salesforce administrators and developers to streamline user management, data access, and security settings. By creating and using public groups effectively, you can maintain a secure and organized Salesforce environment while ensuring that users have appropriate access to the resources they need.

### **Creating New Public Group**

1.Go to setup → type users in quick find box → select public groups→ click New.



2.Give the Label as “sales team”.

3.Group name is autopopulated.

4.Search for Roles.

5.In Available Members select Sales person and click on add it will be moved to selected member.

6.Click on save.

## **Sharing Setting**

Salesforce allows you to configure sharing settings to control how records are accessed and shared within your organization. These settings are crucial for maintaining data security and privacy.

Salesforce provides a variety of tools and mechanisms to define and enforce sharing rules, such as:

### **Organization-Wide Default (OWD) Settings:**

These settings define the default level of access for all objects within your Salesforce org.

OWD settings include Private, Public Read-Only, Public Read/Write, and Controlled by Parent.

OWD settings can be configured for each standard and custom object.

### **Sharing Rules:**

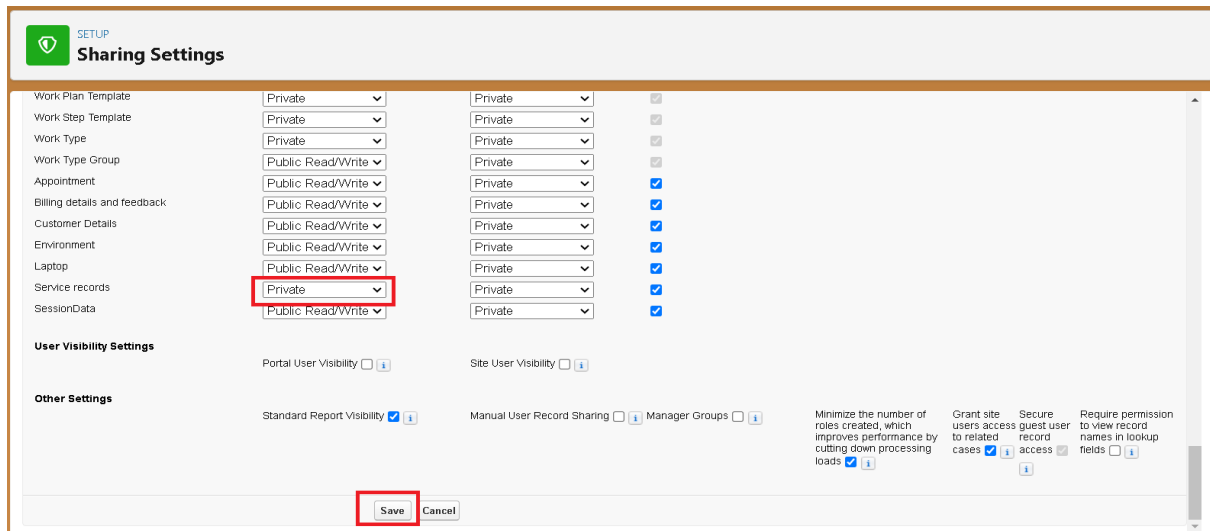
Sharing rules are used to extend access to records for users who meet specific criteria. They can be used to grant read-only or read-write access to records owned by other users.

### **Manual Sharing:**

Administrators and record owners can manually share specific records with other users or groups.

## Creating Sharing settings

- 1.Go to setup → type users in quick find box → select Sharing Settings→ click Edit.
- 2.Change the OWD setting of the Service records Object to private as shown in fig.



The screenshot shows the 'Sharing Settings' configuration page. The 'Service records' object is highlighted with a red box, and its 'Private' setting is also highlighted. The 'Save' button at the bottom is also highlighted with a red box.

Object	Sharing Setting	Access Level
Work Plan Template	Private	Private
Work Step Template	Private	Private
Work Type	Private	Private
Work Type Group	Public Read/Write	Private
Appointment	Public Read/Write	Private
Billing details and feedback	Public Read/Write	Private
Customer Details	Public Read/Write	Private
Environment	Public Read/Write	Private
Laptop	Public Read/Write	Private
Service records	Private	Private
SessionData	Public Read/Write	Private

**User Visibility Settings**

Portal User Visibility ☐ Site User Visibility ☐

**Other Settings**

Standard Report Visibility ☒ Manual User Record Sharing ☐ Manager Groups ☐

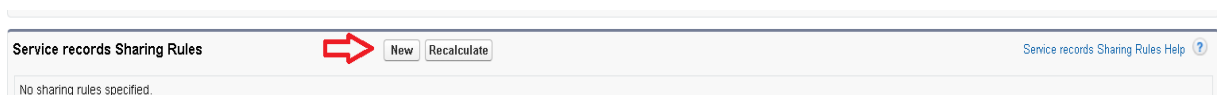
Minimize the number of roles created, which improves performance by cutting down processing loads ☒

Grant site users access to related cases ☒

Secure guest user record access ☐

Require permission to view record names in lookup fields ☐

- 3.Click on save and refresh.
- 4.Scroll down a bit, Click new on Service records sharing Rules



The screenshot shows the 'Service records Sharing Rules' page. The 'New' button is highlighted with a red arrow.

- 5.Give the Label name as “ Sharing setting”
- 6.Rule name is auto populated.
- 7.In step 3 : Select which records to be shared, members of “ Roles ” >> “ Sales person”
- 8.In step 4: share with, select “ Roles ” >> “ Manager ”
- 9.In step 5 : Change the access level to “ Read / write ”.
- 10.Click on save.

**Sharing Settings**

You can use sharing rules only to grant (not restrict) access to data, not to restrict access.

**Step 1: Rule Name** I = Required Information

Label

Rule Name

Description

**Step 2: Select your rule type**

Rule Type ☒ Based on record owner ☐ Based on criteria

**Step 3: Select which records to be shared**

Service records: owned by members of

**Step 4: Select the users to share with**

Share with

**Step 5: Select the level of access for the users**

Access Level

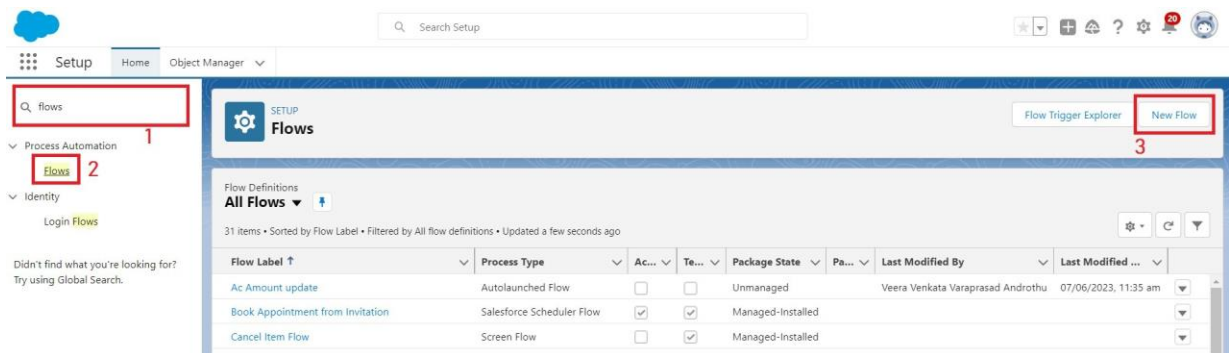
## **IMPLEMENTATION**

### **Flows**

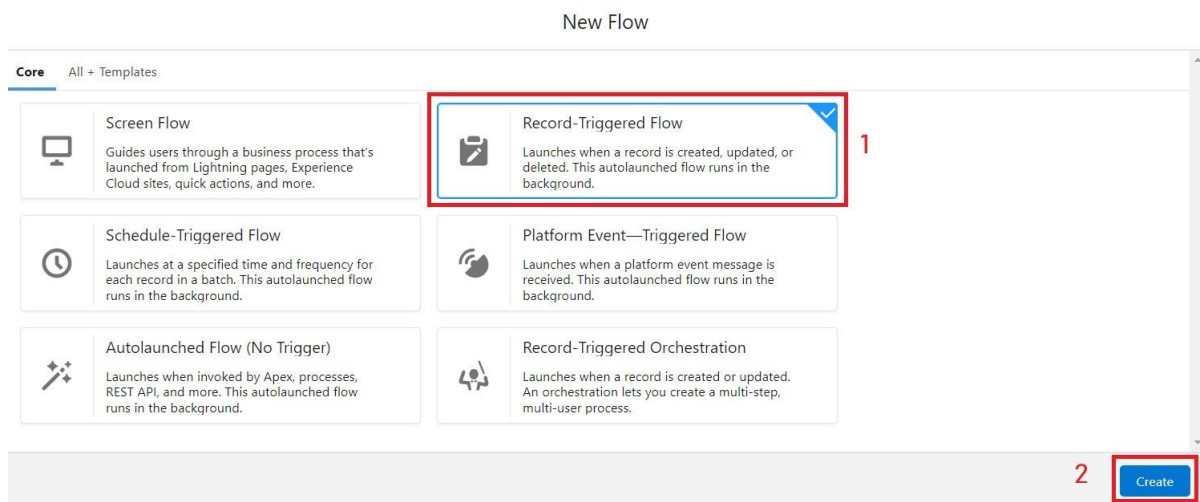
In Salesforce, a flow is a powerful tool that allows you to automate business processes, collect and update data, and guide users through a series of screens or steps. Flows are built using a visual interface and can be created without any coding knowledge.

#### **Create a Flow**

1. Go to setup → type Flow in quick find box → Click on the Flow and Select the New Flow.



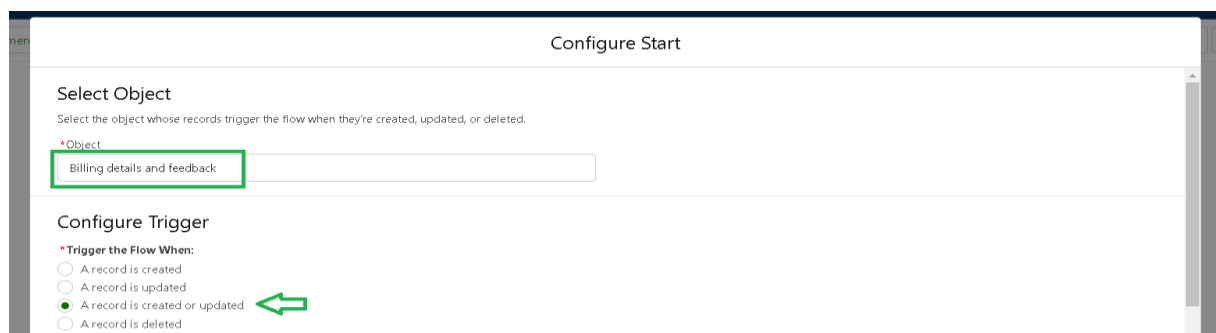
2. Select the Record-triggered flow and Click on Create.



3. Select the Object as “Billing details and feedback” in the Drop down list.

4. Select the Trigger Flow when: “A record is Created or Updated”.

5. Select the Optimize the flow for: “Actions and Related Records” and Click on Done.



### Set Entry Conditions

Specify entry conditions to reduce the number of records that trigger the flow and the number of times the flow is executed. Minimizing unnecessary flow executions helps to conserve your org's resources.

If you create a flow that's triggered when a record is updated, we recommend first defining entry conditions. Then select the **Only when a record is updated to meet the condition requirements** option for When to Run the Flow for Updated Records.

Condition Requirements

None

#### \*Optimize the Flow for:

##### Fast Field Updates

Update fields on the record that triggers the flow to run. This high-performance flow runs *before* the record is saved to the database.

##### Actions and Related Records

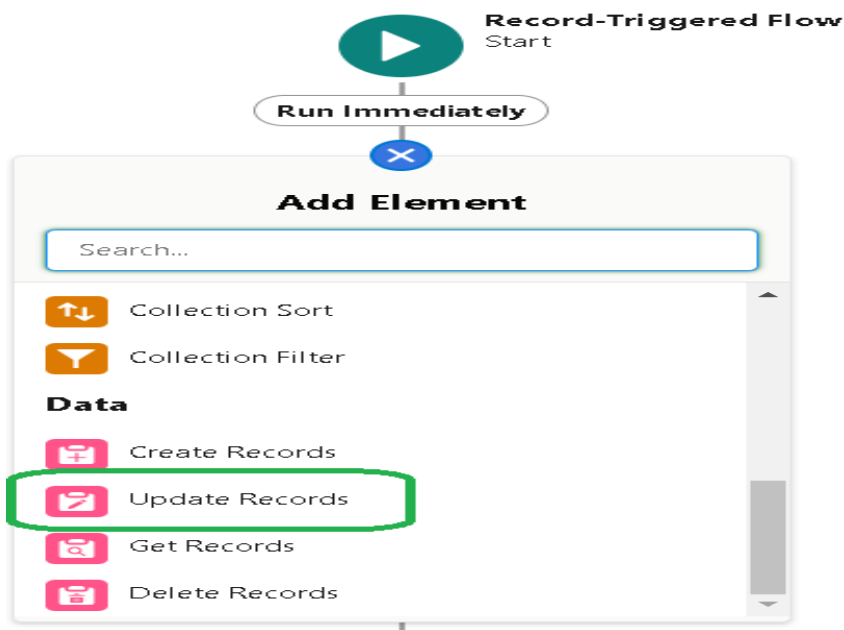
Update any record and perform actions, like send an email. This more flexible flow runs *after* the record is saved to the database.

☐ Include a Run Asynchronously path to access an external system after the original transaction for the triggering record is successfully committed

Cancel

Done

6. Under the Record-triggered Flow Click on “+” Symbol and In the Drop down List select the “Update records Element”.



7. Give the Label Name : Amount Update

8. Api name : is auto populated

### Edit Update Records

Update Salesforce records using values from the flow.

**\*Label**

**\*API Name**

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) ▼

Cancel
Done

### Set Filter Conditions

Condition Requirements to Update Record

All Conditions Are Met (AND) ▼

Field	Operator	Value	
<input type="text" value="Payment_Status__c"/>	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Equals ▼</div>	<input type="text" value="Completed"/>	
<div style="background-color: #d4edda; border: 1px solid #c3e6cb; padding: 5px; display: inline-block;"> <span style="color: #28a745; font-weight: bold;">+</span> Add Condition         </div>			

**Set Field Values for the Billing details and feedback Record**

Field	Value	
<input type="text" value="Payment_Paid__c"/>	<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">←</div> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block; background-color: #f8d7da;">  \$Record &gt; Service records &gt; Appointment &gt; Service A...         </div> <div style="margin-left: 10px;">✕</div> </div>	
<div style="background-color: #d4edda; border: 1px solid #c3e6cb; padding: 5px; display: inline-block;"> <span style="color: #28a745; font-weight: bold;">+</span> Add Field         </div>		

Cancel
Done

9.Set a filter condition : All Conditions are met(AND)

10.Field : Payment\_Status c

11.Operator : Equals



12.Value : Completed

13.Set Field Values for the Billing details and feedback Record

14.Field : Payment\_Paid c

15.Value : {!\$Record.Service\_records r.Appointment r.Service\_Amount c}

16.Click On Done.

17.Before creating another Element. Create a New Resource form Toolbox form top left.

18.Click on the New Resource, And select Variable.

19.Select the resource type as text template.

20.Enter the API name as “ alert”.

21.Change the view as Rich Text → View to Plain Text.

The screenshot shows the 'Edit Text Template' dialog box. The 'API Name' field is set to 'alert'. The 'Body' field contains the text 'Dear {!\$Record.Service\_records\_\_r.Appointment\_\_r.Customer\_Name\_\_r.Name},'. The 'View as Plain Text' dropdown is set to 'View as Plain Text'. Red boxes highlight the 'API Name' field, the 'View as Plain Text' dropdown, and the 'Done' button. A red arrow points to the 'Body' field.

22.In body field paste the syntax that given below.

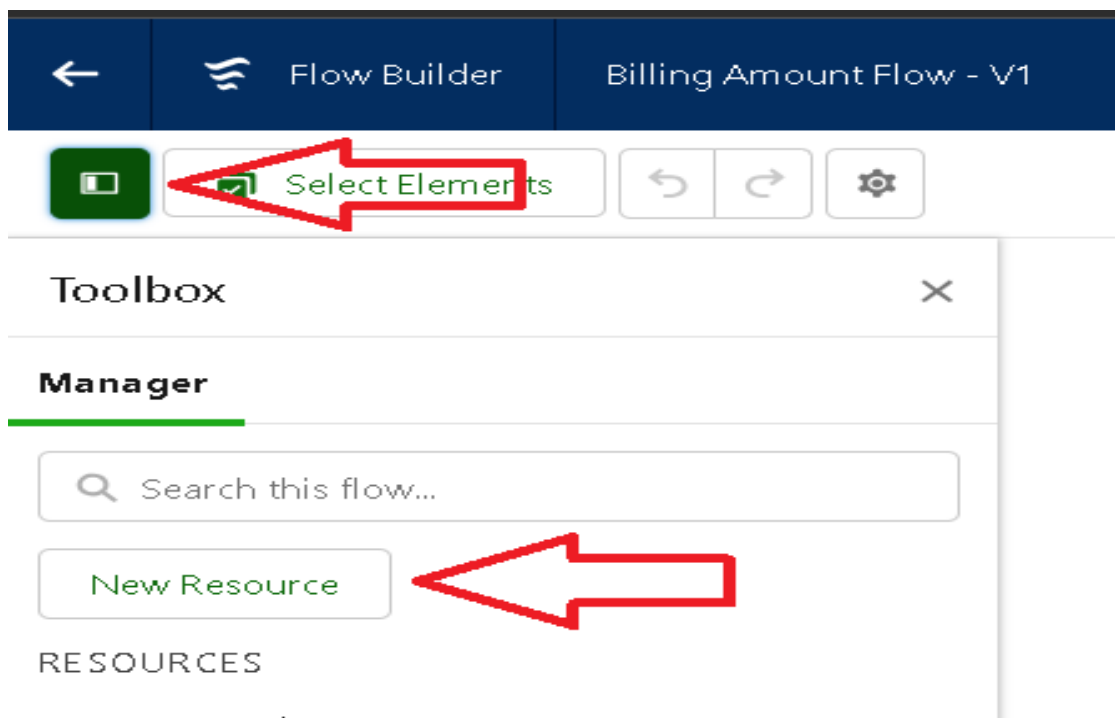
Dear

{!\$Record.Service\_records r.Appointment r.Customer\_Name r.Name},

I hope this message finds you well. I wanted to take a moment to express my sincere gratitude for your recent payment for the services provided by our garage management team. Your prompt payment is greatly appreciated, and it helps us continue to provide top-notch services to you and all our valued customers.

Amount paid : { !\$Record.Payment\_Paid c} Thank you for Coming .

23. Click done.



24.Now Click on Add Element , select Action.

25.Their action bar will be opened in that search for “ send email ” and click on it.

26.Give the label name as “ Email Alert”

27.API name will be auto populated.

28.Enable the body in set input values for the selected action.

29.Select the text template that created , Body : {!alert}

30.Include recipient address list select the email form the record.

31.RecipientAddressList:

{!\$Record.Service\_records r.Appointment r.Customer\_Name r.Gmail c}

32.Include subject as “ Thank You for Your Payment - Garage Management”.

33.Click done.

**Edit Action**

Use values from earlier in the flow to set the inputs for the "Send Email" core action. To use its outputs later in the flow, store them in variables.

\*Label: Email Alert

\*API Name: Email\_Alert

Description:

Set Input Values for the Selected Action

A<sub>a</sub> Body: {!alert}

A<sub>a</sub> Email Template ID: Don't Include

Log Email on Send: Don't Include

Include: ☒

Edit Action

A <sub>a</sub> Recipient Address List ⓘ	<div style="border: 1px solid red; padding: 2px;">{{\$Record.Service_records__r.Appointment__r.Cus}}</div>	<div style="border: 1px solid red; padding: 2px;"><input checked="" type="checkbox"/> Include</div>
A <sub>a</sub> Recipient ID		<div><input type="checkbox"/> Don't Include</div>
A <sub>a</sub> Related Record ID		<div><input type="checkbox"/> Don't Include</div>
Rich-Text-Formatted Body		<div><input type="checkbox"/> Don't Include</div>
A <sub>a</sub> Sender Email Address		<div><input type="checkbox"/> Don't Include</div>
A <sub>a</sub> Sender Type		<div><input type="checkbox"/> Don't Include</div>
A <sub>a</sub> Subject ⓘ	<div style="border: 1px solid red; padding: 2px;">Thank You for Your Payment - Garage Manageme</div>	<div style="border: 1px solid red; padding: 2px;"><input checked="" type="checkbox"/> Include</div>

Cancel

Done

34.Click on save. Give the Flow label , Flow Api name will be autopopulated.

35.And click save, and click on activate.

Record-Triggered Flow  
Start

Save as

A New Version

A New Flow

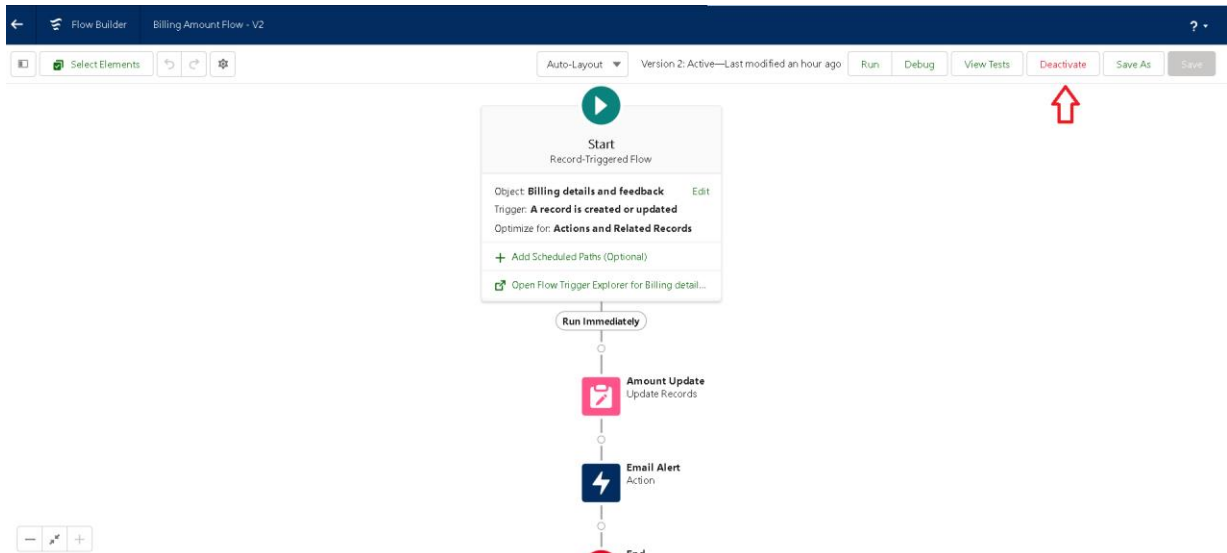
*Flow Label	*Flow API Name
<div>Billing Amount Flow</div>	<div>Billing_Amount_Flow</div>

Description

Show Advanced

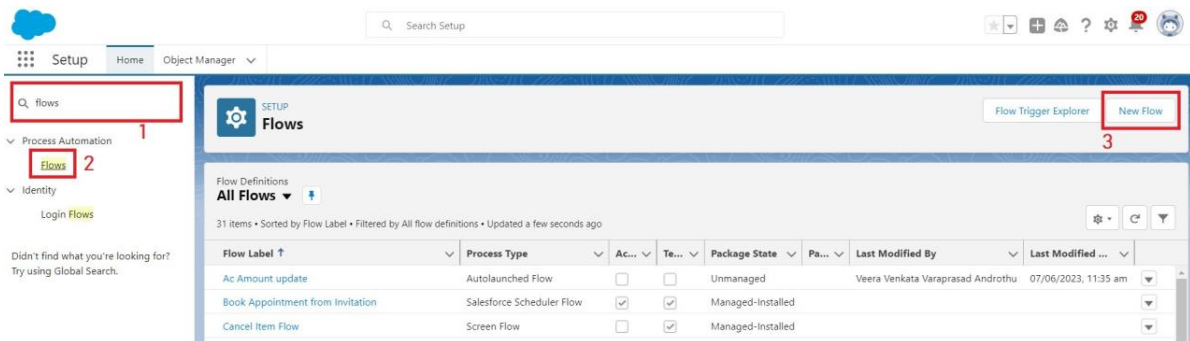
Cancel

Save



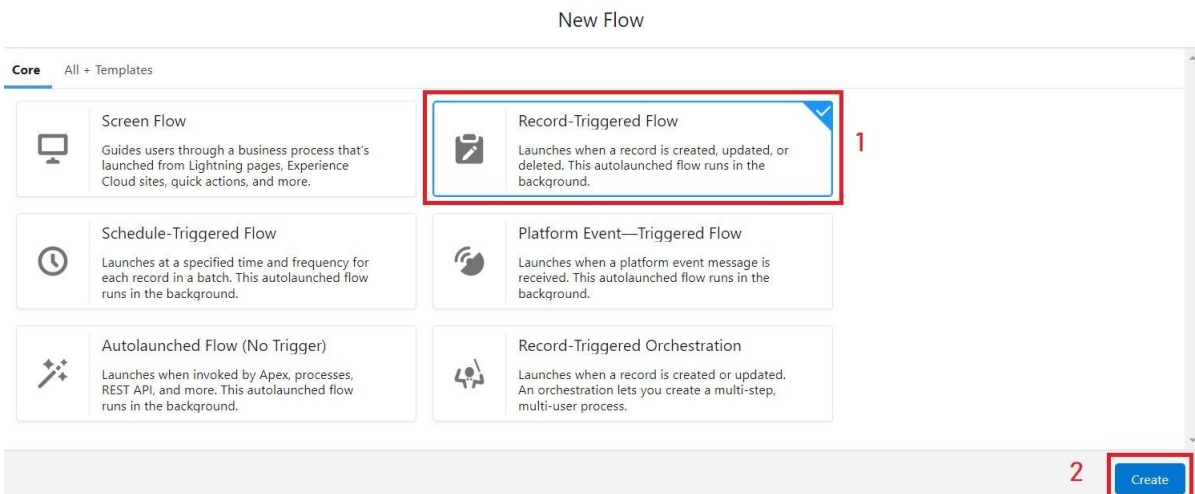
## Create another Flow

36. Go to setup → type Flow in quick find box → Click on the Flow and Select the New Flow.



37. Select the Record-triggered flow and Click on Create.

38. Select the Object as “Service records” in the Drop down list.



39. Select the Trigger Flow when: “A record is Created or Updated”.

40. Select the Optimise the flow for: “Actions and Related Records” and Click on Done.

41. Under the Record-triggered Flow Click on “+” Symbol and In the Drop down List select the “Update records Element”.

42. Set a filter condition : All Conditions are met(AND)

43. Field : Quality\_Check\_Status c

44. Operator : Equals

45. Value : True

46. And Set Field Values for the Billing details and feedback Record

47. Field : Service\_Status c

48. Value : Completed

The screenshot displays two sections of the Salesforce Flow Builder interface. The top section, titled "Set Filter Conditions", includes a sub-header "Condition Requirements to Update Record" with a dropdown menu set to "All Conditions Are Met (AND)". Below this, there are three input fields: "Field" with the value "Quality\_Check\_Status\_c", "Operator" with the value "Equals", and "Value" with the value "True". A "+ Add Condition" button is located below these fields. The bottom section, titled "Set Field Values for the Service record Record", has a "Field" input field with the value "Service\_Status\_c" and a "Value" input field with the value "Completed". An arrow points from the "Value" field to the "Field" field. A "+ Add Field" button is located below these fields.

Set Filter Conditions

Condition Requirements to Update Record

All Conditions Are Met (AND)

Field: Quality\_Check\_Status\_c

Operator: Equals

Value: True

+ Add Condition

Set Field Values for the Service record Record

Field: Service\_Status\_c

Value: Completed

+ Add Field

49. Click On Done.

50. Click on save

51. Given the Flow label as Update Service Status , Flow Api name will be auto populated.

52. And click save, and click on activate.

### **Apex Code:**

Apex is a strongly-typed, object-oriented programming language developed by Salesforce. It is used to execute custom business logic on the Salesforce platform. Apex is similar to Java in syntax and integrates seamlessly with Salesforce's cloud infrastructure.

Apex works directly with Salesforce objects, such as Accounts, Contacts, and Opportunities and provides access to Salesforce data and metadata using a rich set of APIs.

Apex is executed in response to events such as DML operations (insert, update, delete) or user actions (button clicks, Visualforce page requests).

Allows seamless interaction with Salesforce's database using SOQL (Salesforce Object Query Language) and SOSL (Salesforce Object Search Language).

Apex ensures code reliability with a strict type-checking mechanism during compilation and enforces user permissions and sharing rules automatically.

### **Apex handler**

**UseCase : This use case works for Amount Distribution for each Service the customer selected for there Vehicle.**

1. Login to the respective trailhead account and navigate to the gear icon in the top right corner.

2. Click on the Developer console. Now you will see a new console window.

3. In the toolbar, you can see FILE. Click on it and navigate to new and create New apex class.

4. Name the class as “AmountDistributionHandler”.

```
AmountDistribution.apxt | AmountDistributionHandler.apxc *
Code Coverage: None | API Version: 58 | Go To

1 public class AmountDistributionHandler {
2
3     public static void amountDist(list<Appointment__c> listApp){
4         list<Service_records__c> serlist = new list<Service_records__c>();
5
6         for(Appointment__c app : listApp){
7             if(app.Maintenance_service__c == true && app.Repairs__c == true && app.Replacement_Parts__c == true){
8                 app.Service_Amount__c = 10000;
9             }
10            else if(app.Maintenance_service__c == true && app.Repairs__c == true){
11                app.Service_Amount__c = 5000;
12            }
13            else if(app.Maintenance_service__c == true && app.Replacement_Parts__c == true){
14                app.Service_Amount__c = 8000;
15            }
16            else if(app.Repairs__c == true && app.Replacement_Parts__c == true){
17                app.Service_Amount__c = 7000;
18            }
19            else if(app.Maintenance_service__c == true){
20                app.Service_Amount__c = 2000;
21            }
22            else if(app.Repairs__c == true){
23                app.Service_Amount__c = 3000;
24            }
25            else if(app.Replacement_Parts__c == true){
26                app.Service_Amount__c = 5000;
27            }
28        }
29    }
30 }
31 }
```

```
AmountDistribution.apxt | AmountDistributionHandler.apxc *
Code Coverage: None | API Version: 58 | Go To

12 }
13     else if(app.Maintenance_service__c == true && app.Replacement_Parts__c == true){
14         app.Service_Amount__c = 8000;
15     }
16     else if(app.Repairs__c == true && app.Replacement_Parts__c == true){
17         app.Service_Amount__c = 7000;
18     }
19     else if(app.Maintenance_service__c == true){
20         app.Service_Amount__c = 2000;
21     }
22     else if(app.Repairs__c == true){
23         app.Service_Amount__c = 3000;
24     }
25     else if(app.Replacement_Parts__c == true){
26         app.Service_Amount__c = 5000;
27     }
28 }
29 }
30 }
31 }
```

## Apex Code:

```
public class AmountDistributionHandler {
```

```
    // Method to calculate and distribute the service amount
```

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

```
        // Iterate through each appointment record
```

```
        for (Appointment__c app : listApp) {
```

```
            // Check combinations of services and assign the appropriate amount
```

```
            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;

    }

}

// Perform a DML update to save changes to the database

update listApp;

}

}

```

## **Apex Trigger**

Apex can be invoked by using triggers. Apex triggers enable you to perform custom actions before or after changes to Salesforce records, such as insertions, updates, or deletions.

A trigger is Apex code that executes before or after the following types of operations:

- insert
- update
- delete
- merge
- upsert
- undelete

For example, you can have a trigger run before an object's records are inserted into the database, after records have been deleted, or even after a record is restored from the Recycle Bin.

You can define triggers for top-level standard objects that support triggers, such as a Contact or an Account, some standard child objects, such as a CaseComment, and custom objects. To define a trigger, from the object management settings for the object whose triggers you want to access, go to Triggers.

There are primarily two types of Apex Triggers:

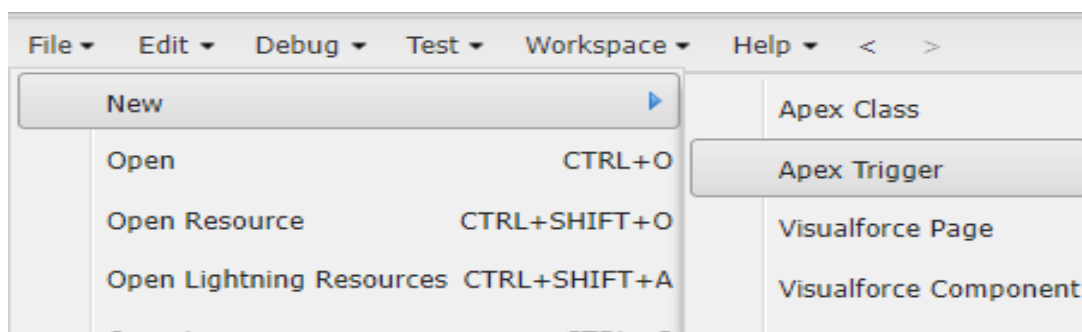
**Before Trigger:** This type of trigger in Salesforce is used either to update or validate the values of a record before they can be saved into the database. So, basically, the before trigger validates the record first and then saves it. Some criteria or code can be set to check data before it gets ready to be inserted into the database.

**After Trigger:** This type of trigger in Salesforce is used to access the field values set by the system and affect any change in the record. In other words, the after trigger makes changes to the value from the data inserted in some other record.

### **Trigger Handler :**

### **How to create a new trigger :**

- 1.While still in the trailhead account, navigate to the gear icon in the top right corner.
- 2.Click on developer console and you will be navigated to a new console window.
- 3.Click on File menu in the tool bar, and click on new→ Trigger.
- 4.Enter the trigger name and the object to be triggered.
- 5.Name : AmountDistribution
- 6.sObject : Appointment \_c



Syntax For creating trigger :

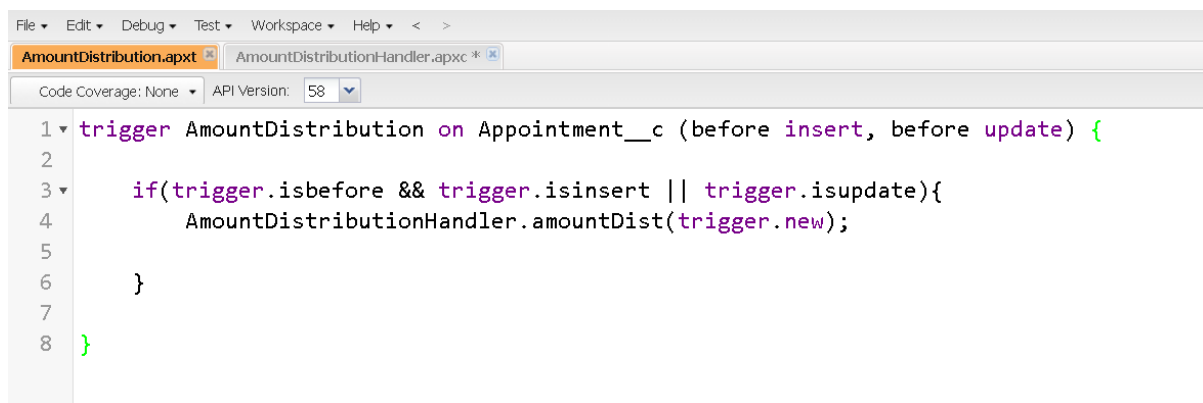
The syntax for creating trigger is :

Trigger [trigger name] on [object name]( Before/After event)

```
{  
  
}
```

In this project , trigger is called whenever the particular records sum exceed the threshold i.e minimum business requirement value. Then the code in the trigger will get executed.

### 1.Handler for the Appointment Object

A screenshot of an IDE window showing a trigger definition. The window has a menu bar with File, Edit, Debug, Test, Workspace, and Help. Below the menu bar are two tabs: 'AmountDistribution.apxt' (active) and 'AmountDistributionHandler.apxc'. Below the tabs is a status bar showing 'Code Coverage: None' and 'API Version: 58'. The main editor area contains the following code:

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

### Trigger Code:

```
trigger AmountDistribution on Appointment c (before insert, before update) {
```

```
if(trigger.isbefore && trigger.isinsert || trigger.isupdate){
```

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

```
}
```

```
}
```

## MAINTENANCE AND SUPPORTS

### Maintenance Strategy

#### User Adoption

##### **creating record**

To create a record in the follow objects follow these steps

1. Click on the app launcher located at the left side of the screen.
2. Search for “Garage Management” and click on it.
3. Click on the “Consumer details tab”.
4. Click on new and fill the details as shown below figs, and click save.

ne

d

e

New Customer Detail

\* = Required Information

Information

\* Customer Name ↶

Mac

Phone number ↶

5678765567

Gmail ↶

mac@gmail.com

Owner

Annapurna SmartBridge

Cancel Save & New Save

Now, Create the Appointment Record

1. Click on the “Appointment tab”.
2. Enter the customer details as created, while entering Appointment Date enter the date less than the created date.
3. Match the validation while entering the vehicle number plate.
4. Select the services you need.
5. Click on save to see the Service Amount.

The screenshot shows the 'Appointment' form in the 'Garage Management' system. The form is titled 'Appointment app-016' and is under the 'Appointments' tab. It contains the following fields and options:

- Appointment Name:** app-016
- Owner:** Annapurna SmartBridge
- Customer Details:** Mac
- \* Appointment Date:** 13/11/2024
- Maintenance service:** ☒
- Repairs:** ☒
- Replacement Parts:** ☐
- Service Amount:** (Empty field)
- \* Vehicle number plate:** TS30EU0443

At the bottom, there is a 'Created By' field showing 'Annapurna SmartBridge, 18/11/2024, 3:28 pm' and a 'Save' button.

Now, Create a service Record

1. Click on the “Service record tab”.
2. Enter the Appointment, and started is selected as default.
3. Click on save.

New Service record

\* = Required Information

Information

Service Record Name

Owner

app-016

×

Quality Check Status

☐

Service Status

Started

▼

Cancel

Save & New

Save

4.Open the record and click on Quality check status as true.

5.Click on save.

Service Record Name

ser-010

Owner

Annapurna SmartBridge

\* Appointment

app-016

×

Quality Check Status

☒

Service Status

Started

▼

service date

18/11/2024

*This field is calculated upon save*

Created By

Annapurna SmartBridge, 18/11/2024, 4:32 pm

Cancel

Save

Created By

Annapurna SmartBridge, 18/11/2024, 4:32 pm

6.Now automatically Service status will be moved to completed.

71

Related


Details

---

Service Record Name


ser-010

Owner



Annapurna SmartBridge

---

Appointment

[app-016](#)



Quality Check Status

☒


---

Service Status

Completed




service date


18/11/2024

---

Created By


Annapurna SmartBridge, 18/11/2024, 4:32 pm

Last Modified By


Annapurna SmartBridge, 18/11/2024, 4:34 pm

---

## Reports

Reports give you access to your Salesforce data. You can examine your Salesforce data in almost infinite combinations, display it in easy-to-understand formats, and share the resulting insights with others. Before building, reading, and sharing reports, review these reporting basics.

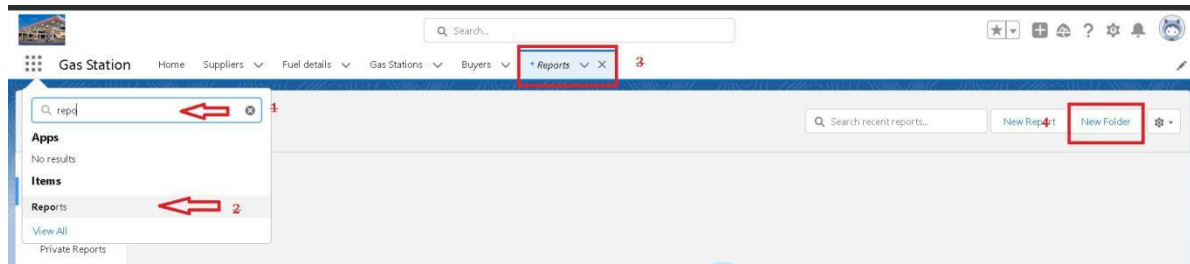
### Types of Reports in Salesforce

- 1.Tabular
- 2.Summary
- 3.Matrix
- 4.Joined Reports

### **create a report folder**

- 1.Click on the app launcher and search for reports.
- 2.Click on the report tab, click on new folder.





3. Give the Folder label as “Garage Management Folder”, Folder unique name will be auto populated.

4. Click save.

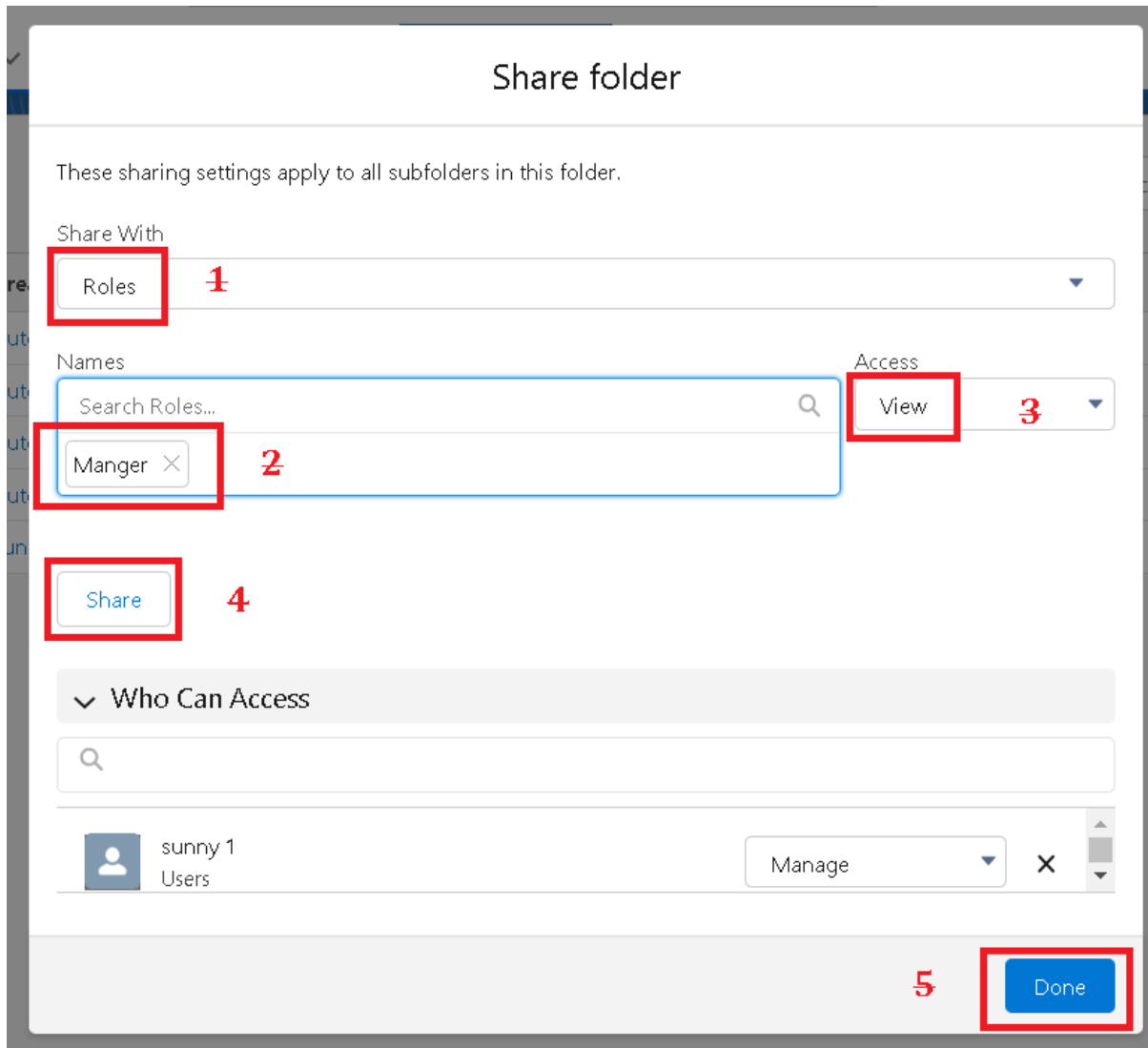
### Sharing a report folder

1. Go to the app → click on the reports tab.

2. Click on the All folder, click on the Drop down arrow for Garage Management folder, and Click on share.

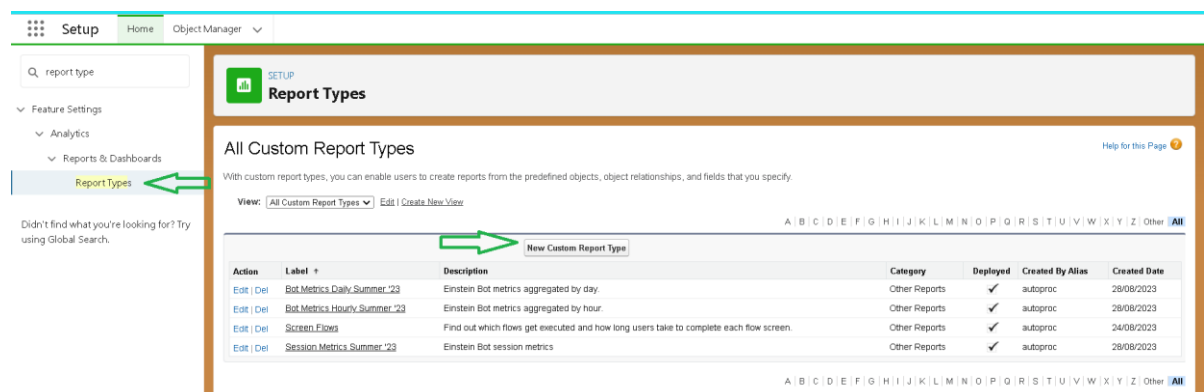
3. Select the share with as “roles”, in name field search for “manager”, give “view” as access for that role.

4. Then click share, and click on Done.



## Create Report Type

1. Go to setup → type users in quick find box → select Report Type → click on Continue.
2. Click on new custom report type.



3. Select the Primary object as “ Customer details” .
4. Give the Report type Label as “ Service information ”
5. Report type Name is autopopulated.
6. Keep the Description as same.
7. Select Store in Category as “ other Reports ”
8. Select the deployment status as “ Deployed ”, click on Next.

9. now , Click on Related object box.
10. Click on Select Object, choose Appointment Object as shown in fig.

## Step 2. Define Report Records Set

This report type will generate reports about Customer Details. You may define which related records from other objects are

**A Customer Details**  
Primary Object

B

Appointments

X

**A to B Relationship:**  
☒ Each "A" record must have at least one related "B" record.  
☐ "A" records may or may not have related "B" records.

(Click to relate another object)

11. Again Click to relate another object.

12. And select the related object as “ service records”.

13. Repeat the process and select the related object as “ Billing details and feedback”.

14. And click on save.

SETUP  
**Report Types**

This report type will generate reports about Customer Details. You may define which related records from other objects are returned in report results by choosing a relationship to another object.

**A Customer Details**  
Primary Object

B Appointments

A to B Relationship:  
☒ Each "A" record must have at least one related "B" record.  
☐ "A" records may or may not have related "B" records.

C Service records

B to C Relationship:  
☒ Each "B" record must have at least one related "C" record.  
☐ "B" records may or may not have related "C" records.

D Billing details and feedback

C to D Relationship:  
☒ Each "C" record must have at least one related "D" record.  
☐ "C" records may or may not have related "D" records.

Object Limit Reached  
You can associate up to four objects to a custom report type.

Previous

Save

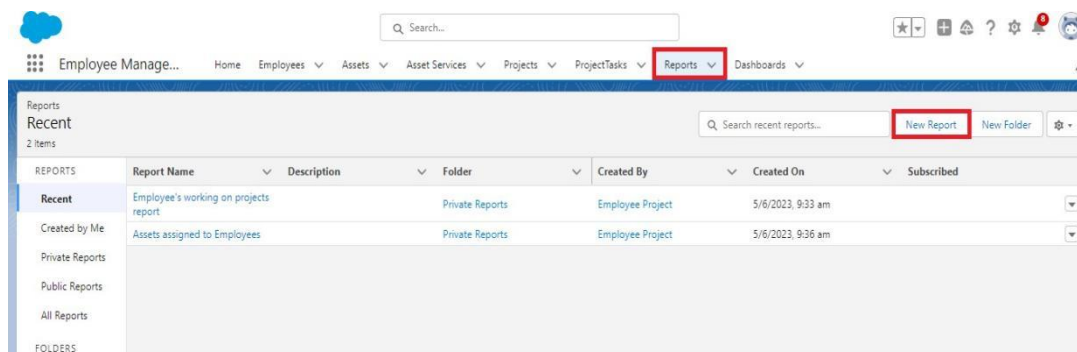
Cancel

## Create Report

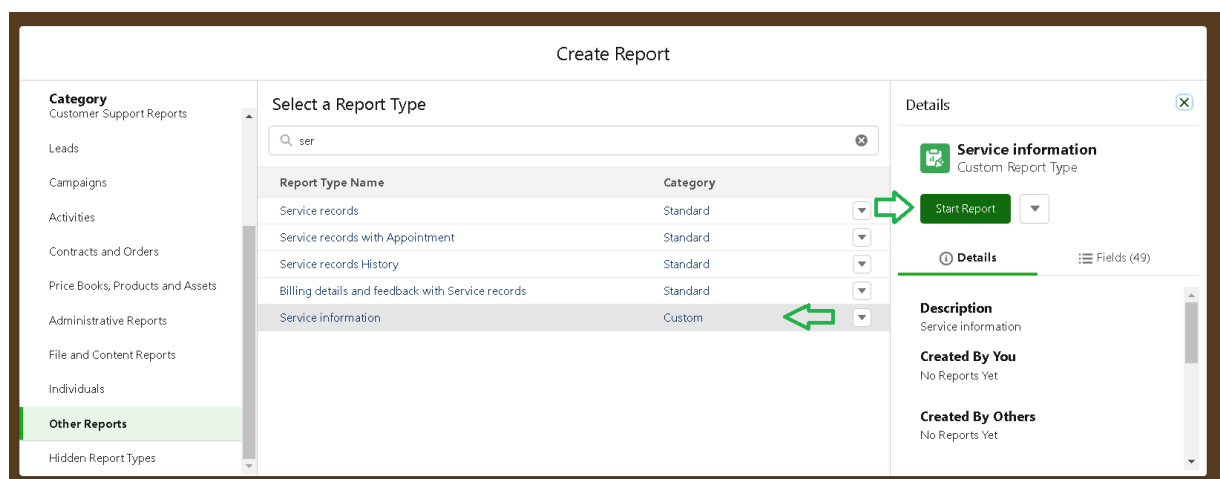
**Note : Before creating report, create latest “10” records in every object. Try to fill every field in each record for better experience.**

1.Go to the app → click on the reports tab

2.Click New Report.



3.Select the Category as other reports, search for Service Information, select that report, click on it. And click on start report.



4.Their outline pane is opened already, select the fields that are mentioned below in the column section.

1.Customer name

2.Appointment Date

3.Service Status

4.Payment paid

5.Remove the unnecessary fields.

6.Select the fields that mentioned below in GROUP ROWS section.

1.Rating for Service

7.Select the fields that mentioned below in GROUP ROWS section.

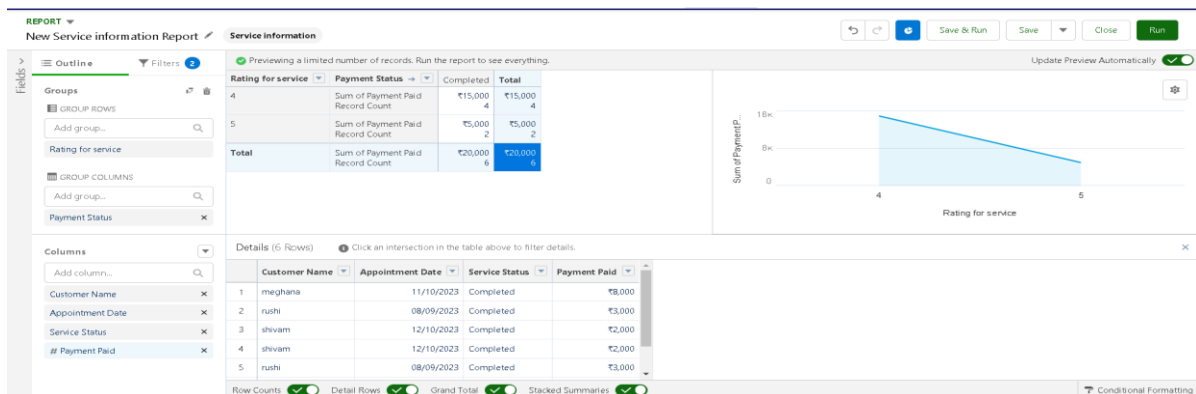
1.Payment Status

8.Click on Add Chart , Select the Line Chart.

9.Click on save, Give the report Name : New Service information Report

10.Report unique Name is auto populated.

11.Select the folder the created and Click on save



The screenshot shows the 'Save Report' dialog box. It contains the following fields:

- Report Name:** 'New Service information Report' (indicated by a green arrow).
- Report Unique Name:** 'New\_Service\_information\_Report\_oVu'.
- Report Description:** An empty text area.
- Folder:** 'Garage Management Folder' (indicated by a green arrow).

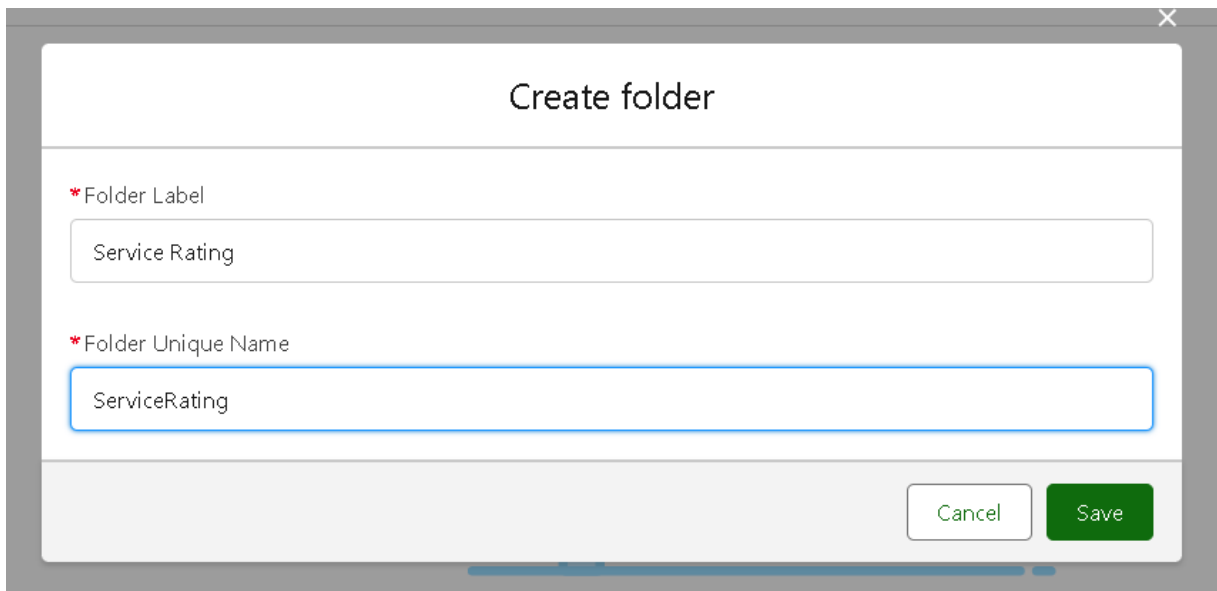
At the bottom right, there are 'Cancel' and 'Save' buttons. A 'Select Folder' button is also present next to the folder field.

## **Dashboards**

Dashboards help you visually understand changing business conditions so you can make decisions based on the real-time data you've gathered with reports. Use dashboards to help users identify trends, sort out quantities, and measure the impact of their activities. Before building, reading, and sharing dashboards, review these dashboard basics.

### **Create Dashboard Folder**

1. Click on the app launcher and search for dashboard.
2. Click on dashboard tab.
3. Click new folder, give the folder label as “ Service Rating dashboard”.
4. Folder unique name will be auto populated.
5. Click save.



The screenshot shows a 'Create folder' dialog box. The title bar has a close button (X). The title is 'Create folder'. There are two required fields: '\*Folder Label' with the value 'Service Rating' and '\*Folder Unique Name' with the value 'ServiceRating'. At the bottom right are 'Cancel' and 'Save' buttons.

6. Follow the same steps, form milestone 15, and activity 2, and provide the sharing settings for the folder that just created.

## Create Dashboard

- 1.Go to the app → click on the Dashboards tabs.
- 2.Give a Name and select the folder that created, and click on create.

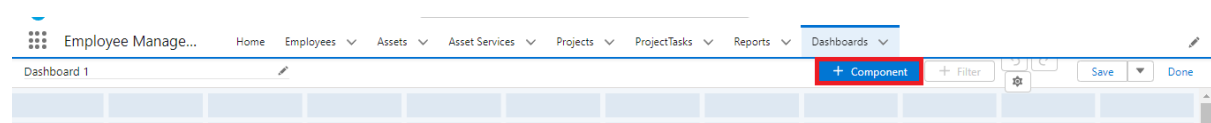
**New Dashboard**

\* Name

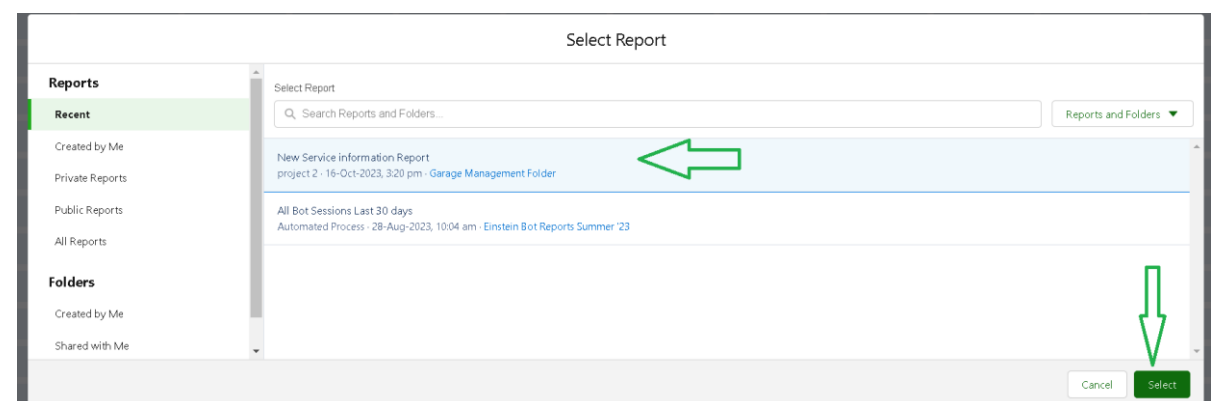
Description

Folder

- 3.Select add component.



- 4.Select a Report and click on select.

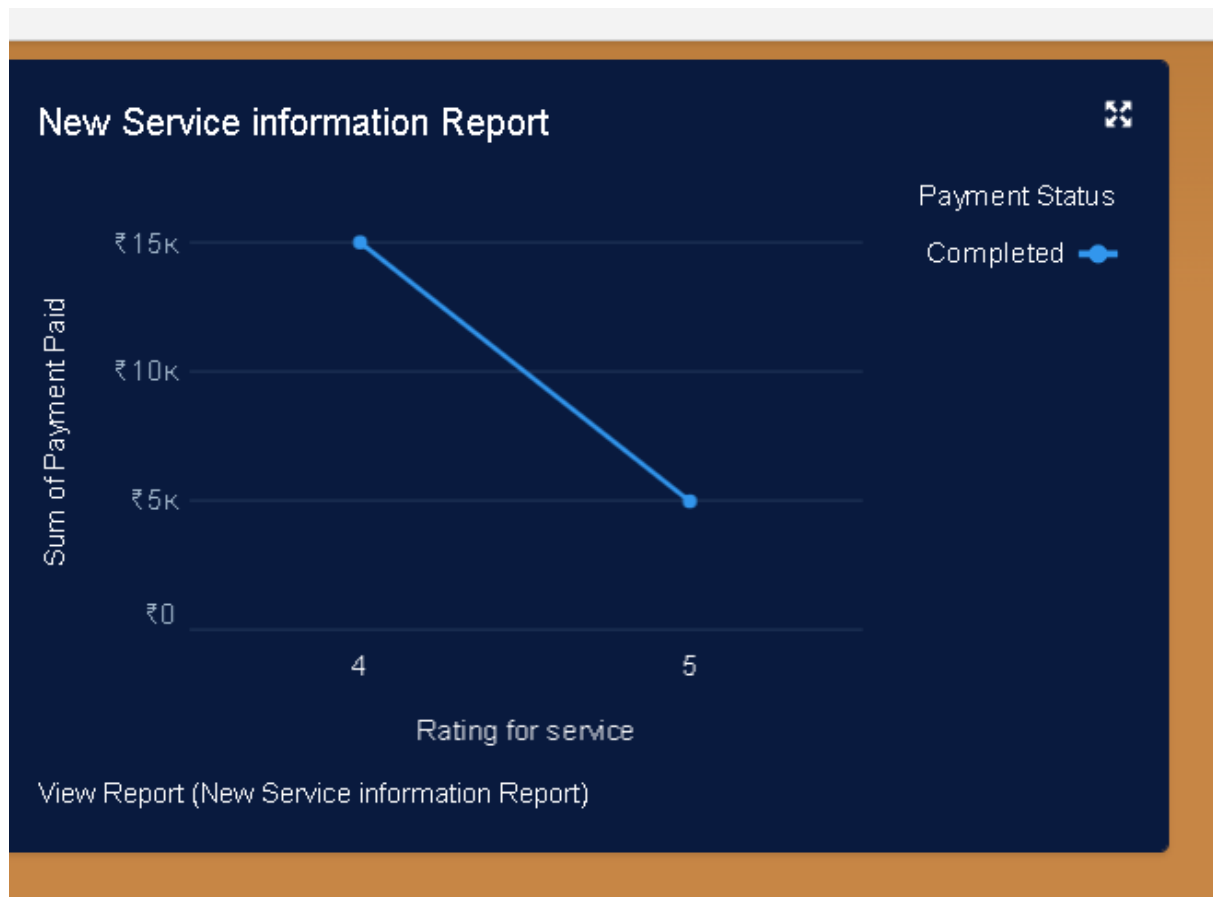




5. Select the Line Chart. Change the theme.

6. Click Add then click on Save and then click on Done.

7. Preview is shown below.



8. After that Click on Subscribe on top right.

9. Set the Frequency as “ weekly ”.

10. Set a day as monday.

11. And Click on save.

Edit Subscription

Schedule dashboard refreshes and subscribe to receive results.

Settings

Frequency

Daily

Weekly

Monthly

Days

Sun

Mon

Tue

Wed

Thu

Fri

Sat

Time

3:00 pm

Recipients

☒ Receive new results by email when dashboard is refreshed. ⓘ

Send email to

Me

Edit Recipients

Cancel

Save

## **APPENDICES**

### **Conclusion**

The Garage Management System built on Salesforce provides a comprehensive, scalable, and efficient solution for modernizing automotive service center operations. By leveraging Salesforce's powerful features and custom Apex logic, the system streamlines processes such as appointment scheduling, inventory management, billing, and customer communication. This ensures enhanced operational efficiency, improved customer satisfaction, and better resource utilization. The implementation of this system positions garages for long-term growth and competitiveness in an evolving market. With automation at its core, the system reduces manual errors, optimizes resource utilization, and enhances customer satisfaction by offering personalized and timely services. Real-time data insights enable informed decision-making, driving operational excellence and strategic growth. Furthermore, the cloud-based nature of Salesforce ensures that the system remains scalable, secure, and accessible from anywhere, making it a future-proof investment for garages of all sizes. The Garage Management System not only streamlines daily operations but also strengthens customer relationships through proactive communication and seamless service delivery. By adopting this system, automotive businesses can achieve higher efficiency, improved profitability, and a significant competitive edge in the market. Its potential for integration with third-party tools and evolving capabilities makes it an indispensable tool for long-term business success.