**GARAGE MANAGEMENT SYSTEM**

**College Name: Shri Nehru Maha Vidyalaya colloge of arts and science**

**College Code:** 35

**TEAM ID: NM2025TMID20580**

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# 1.INTRODUCTION

## 1.1 Project

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

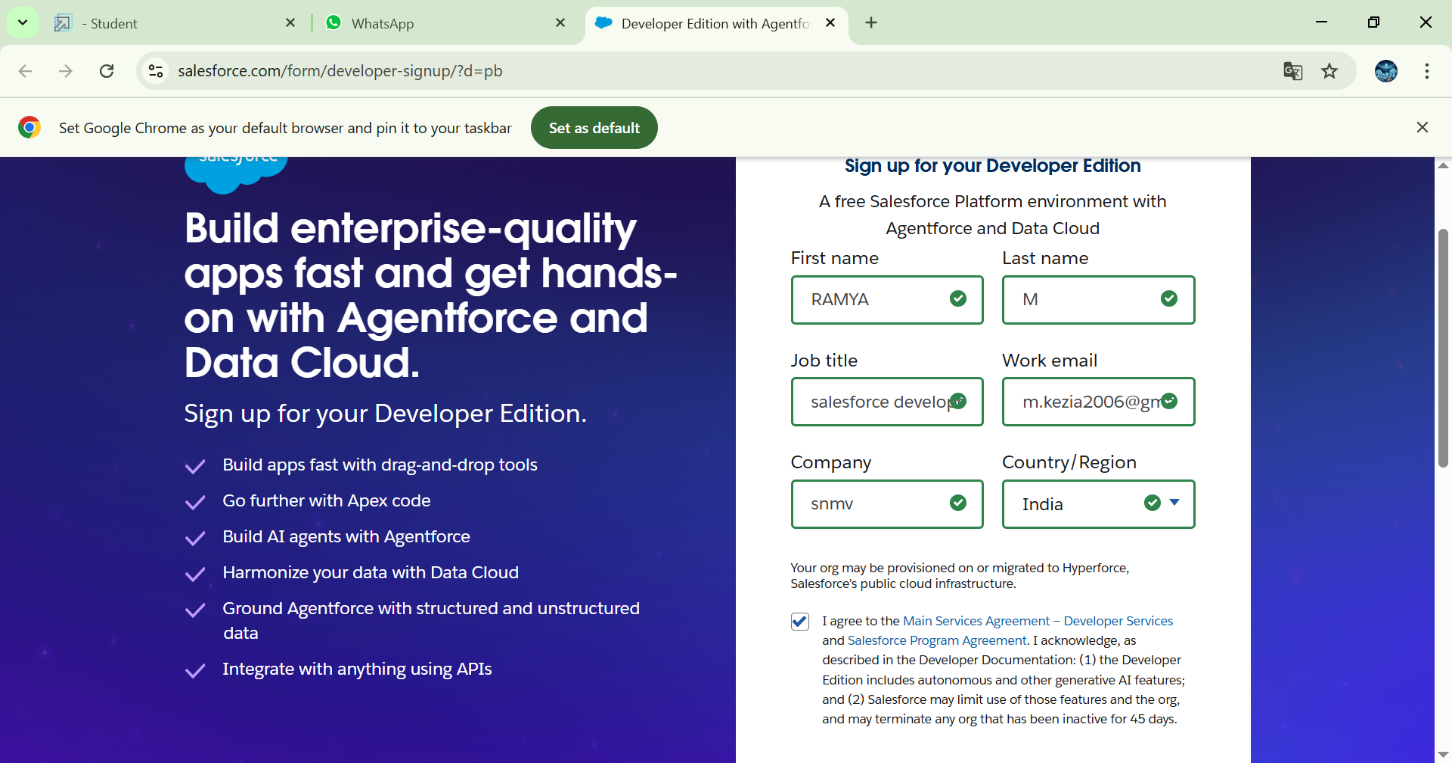
## 1.2 Purpose

The 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

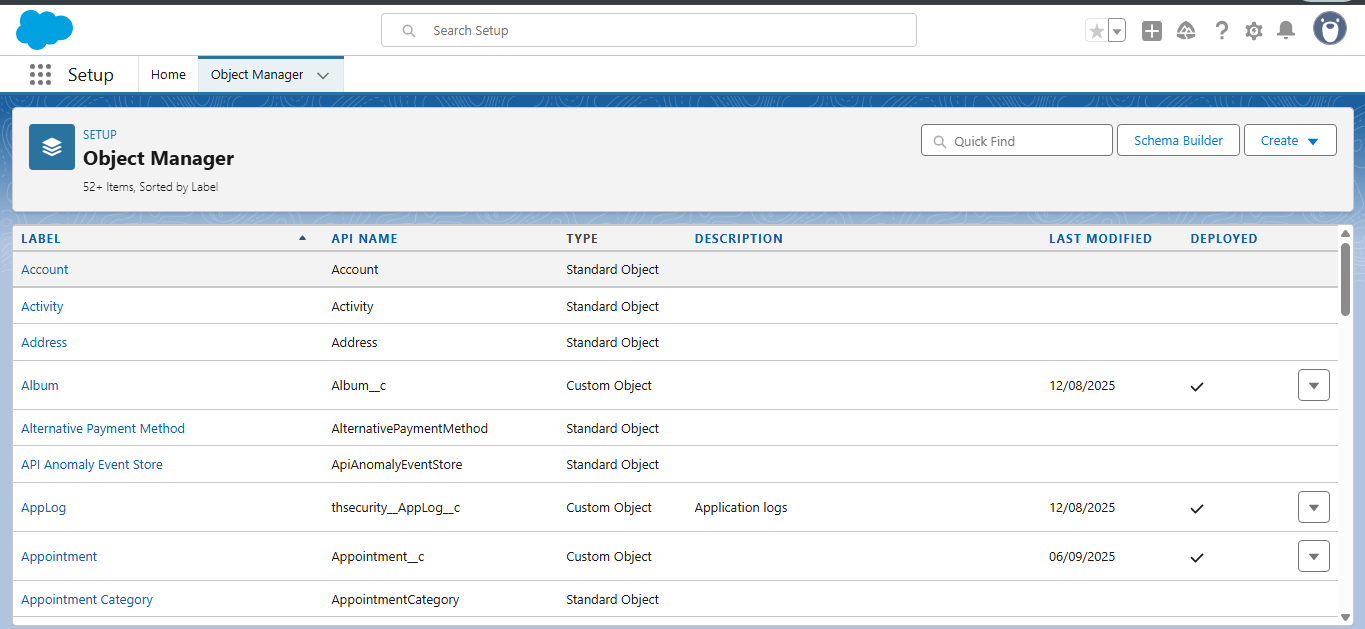
# DEVELOPMENT PHASE

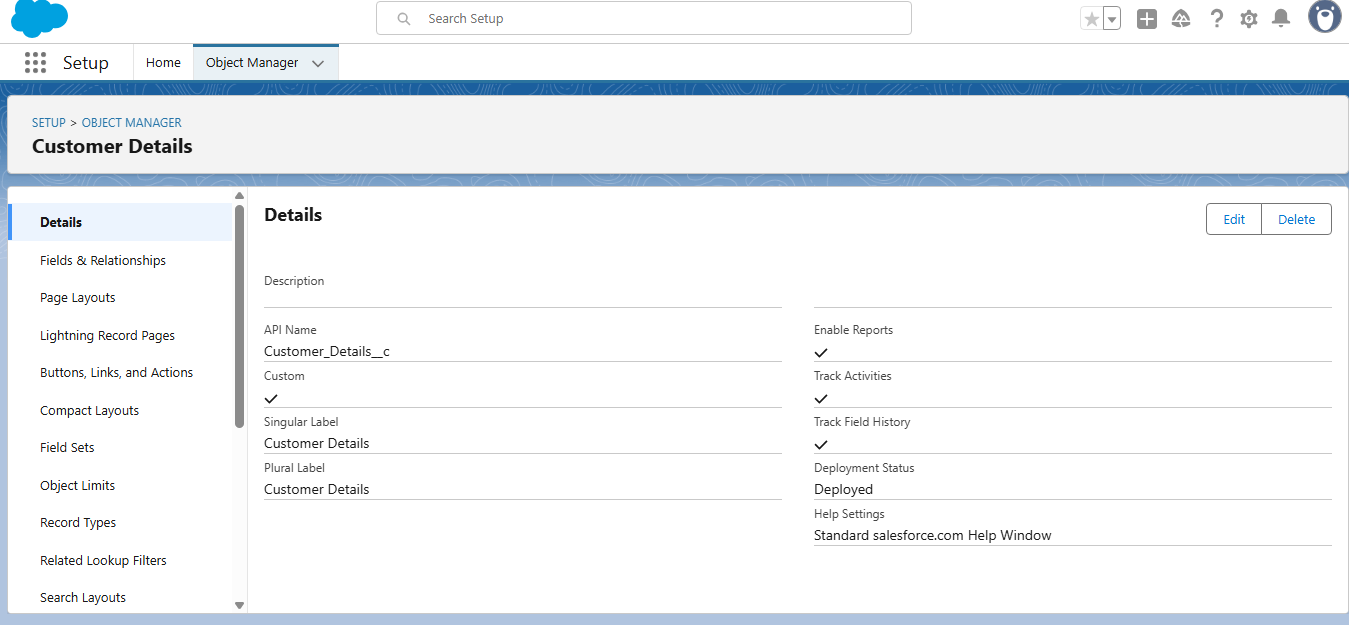
**Creating Developer Account:**

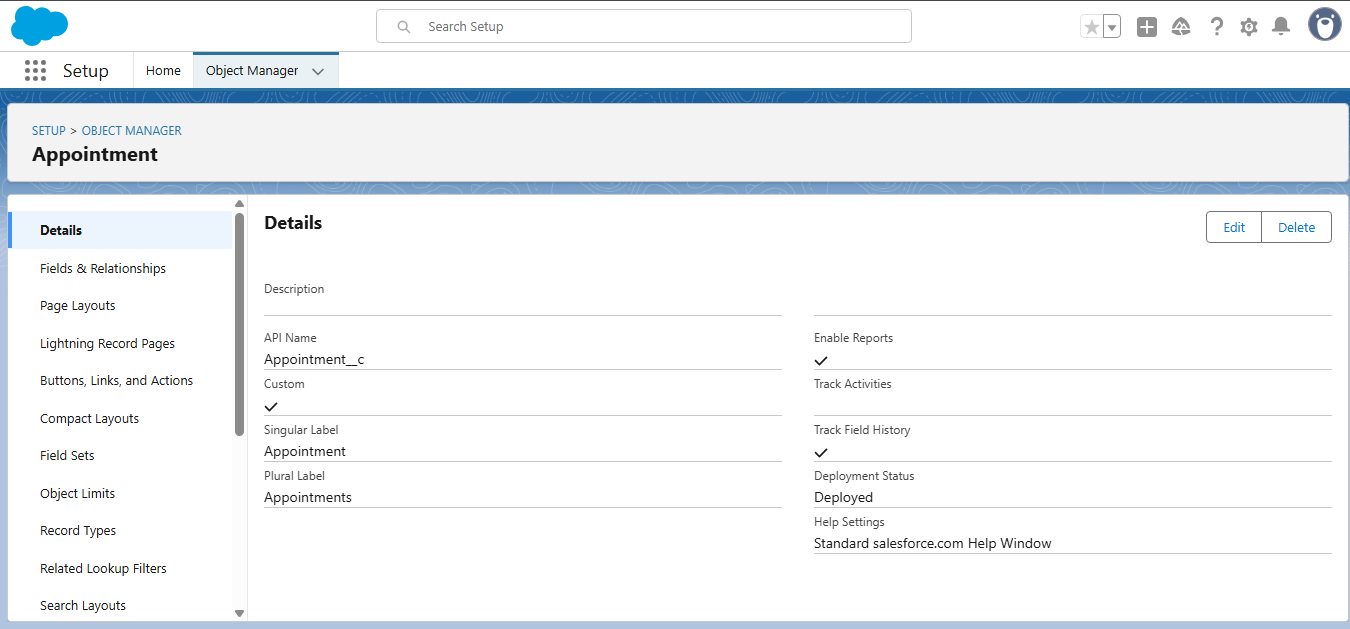
By using this URL[**- https://www.salesforce.com/form/developer-signup/?d=pb**](https://www.salesforce.com/form/developer-signup/?d=pb)

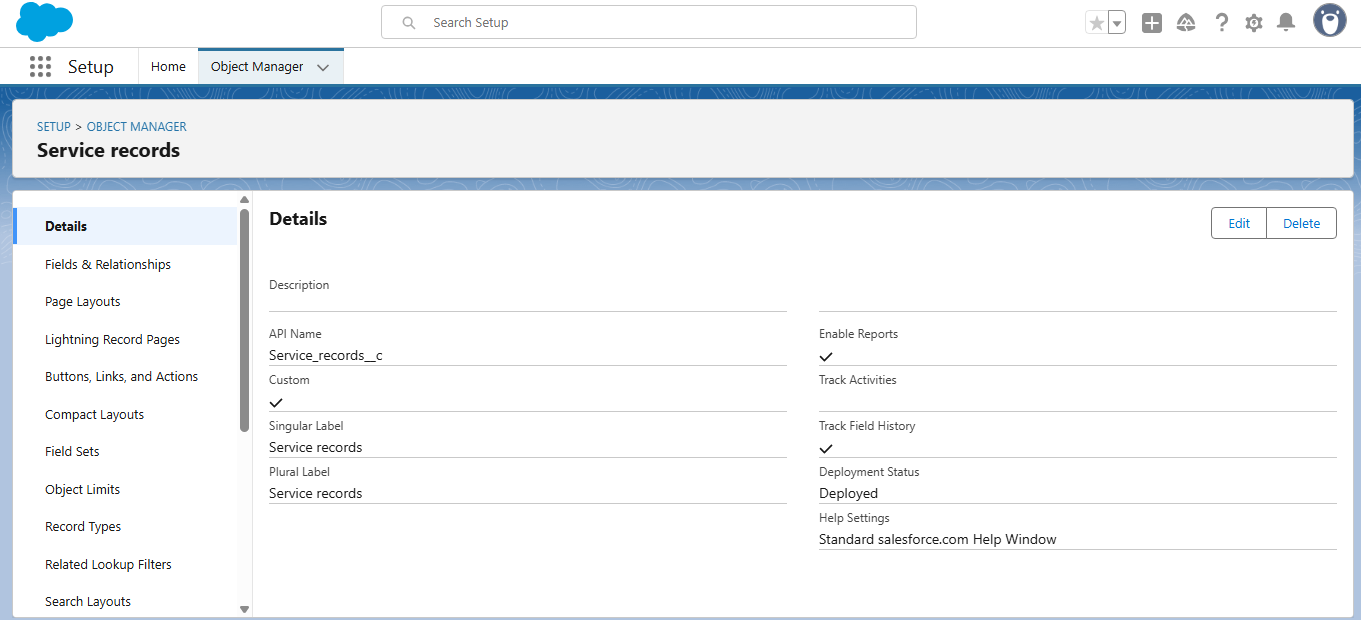
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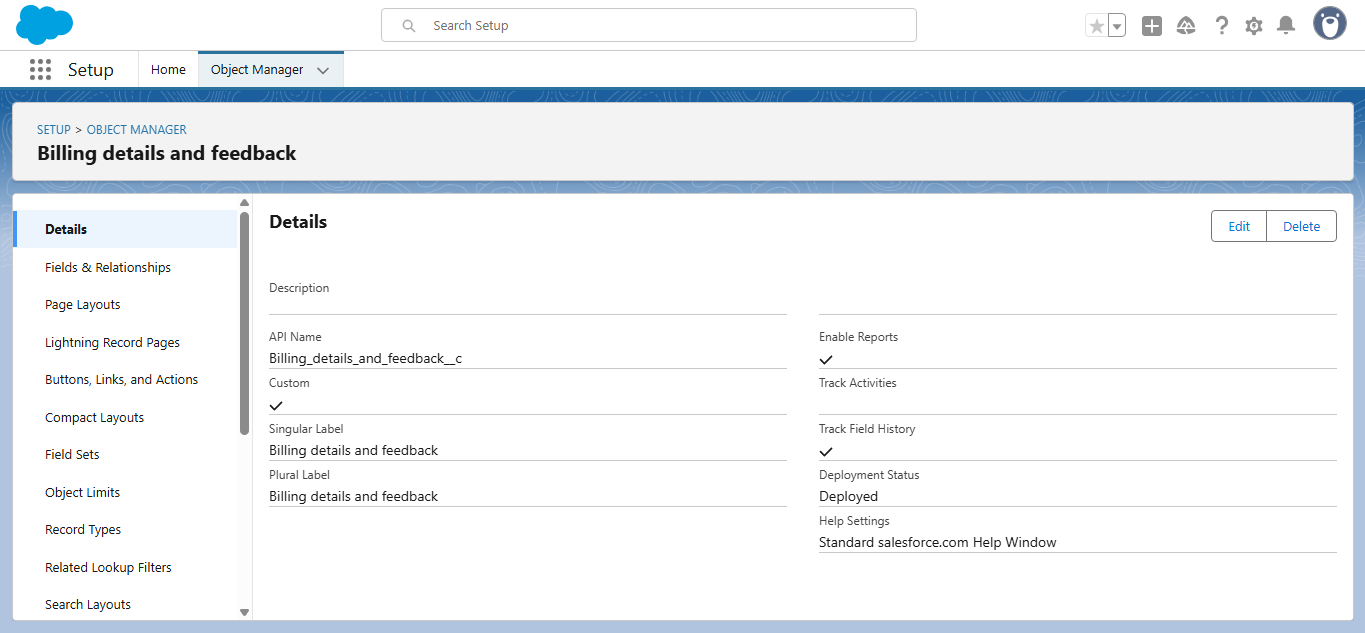
* Created objects: customer details, appointment, service record, billing and feedback



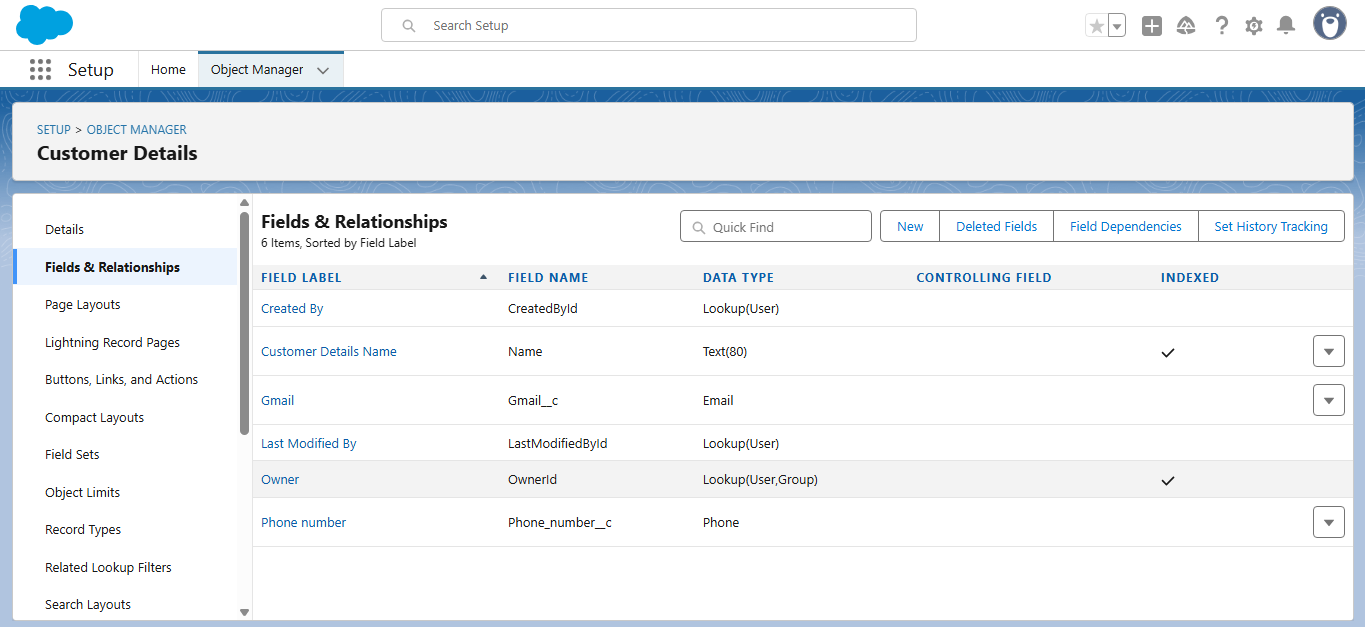


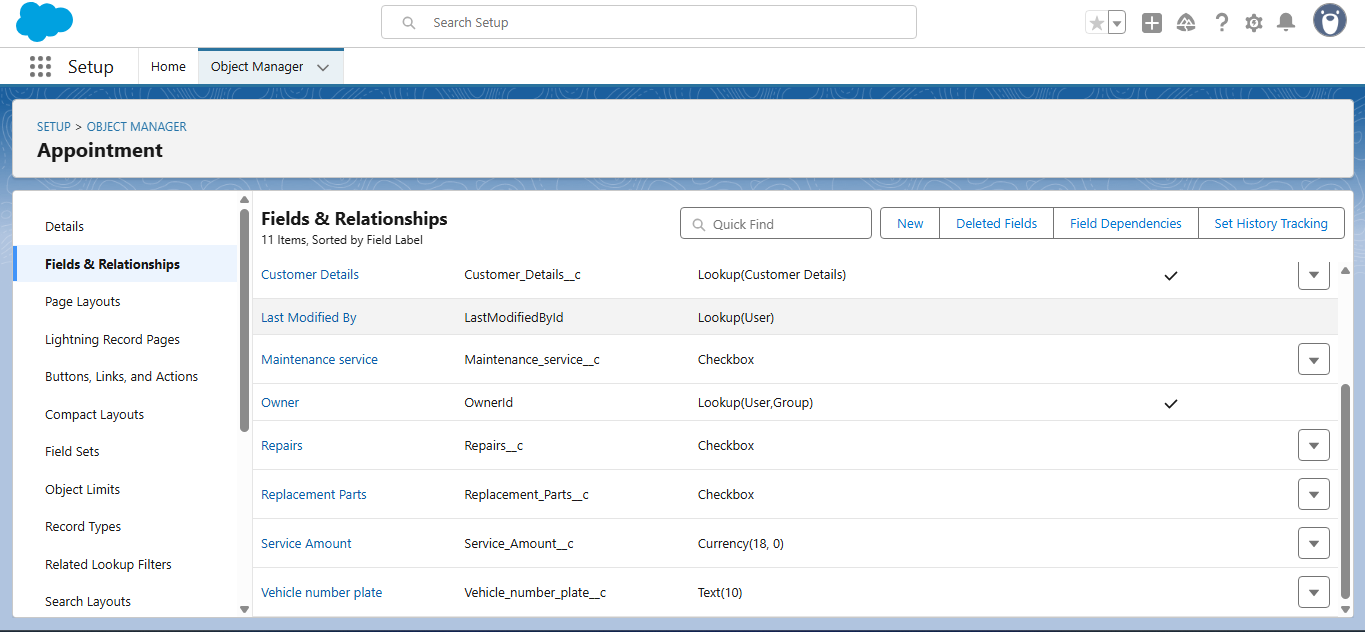


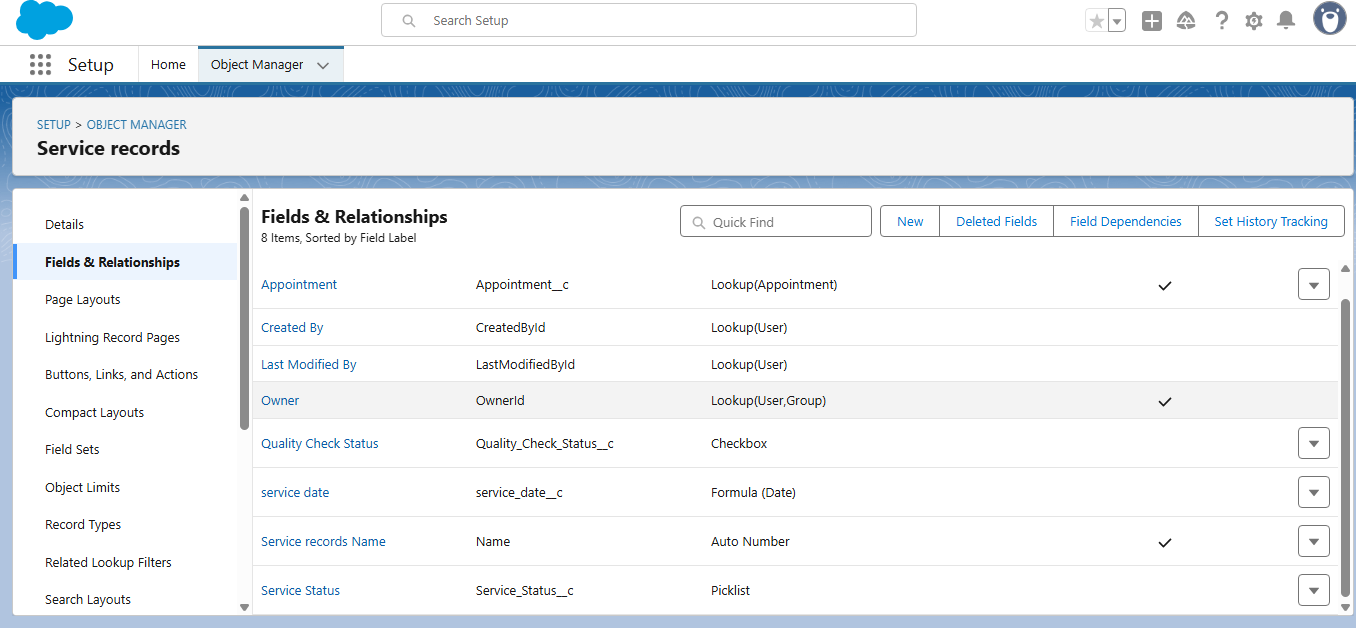


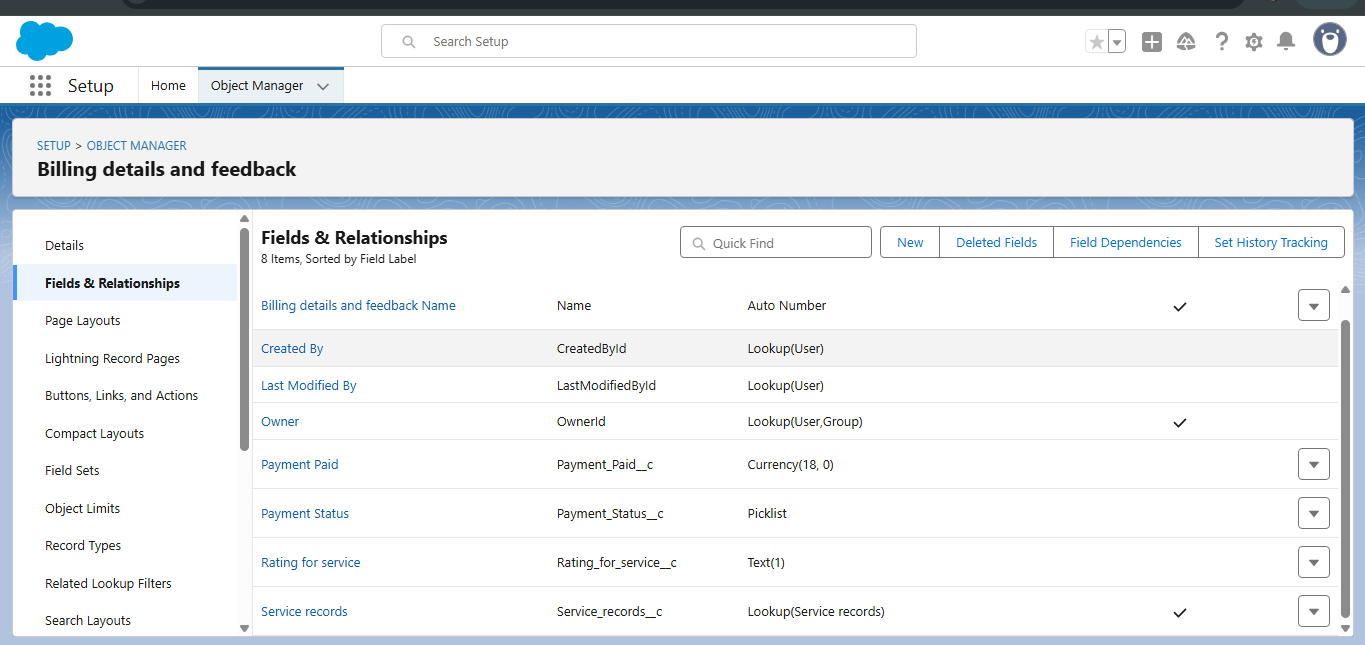


* Configured fields and relationships

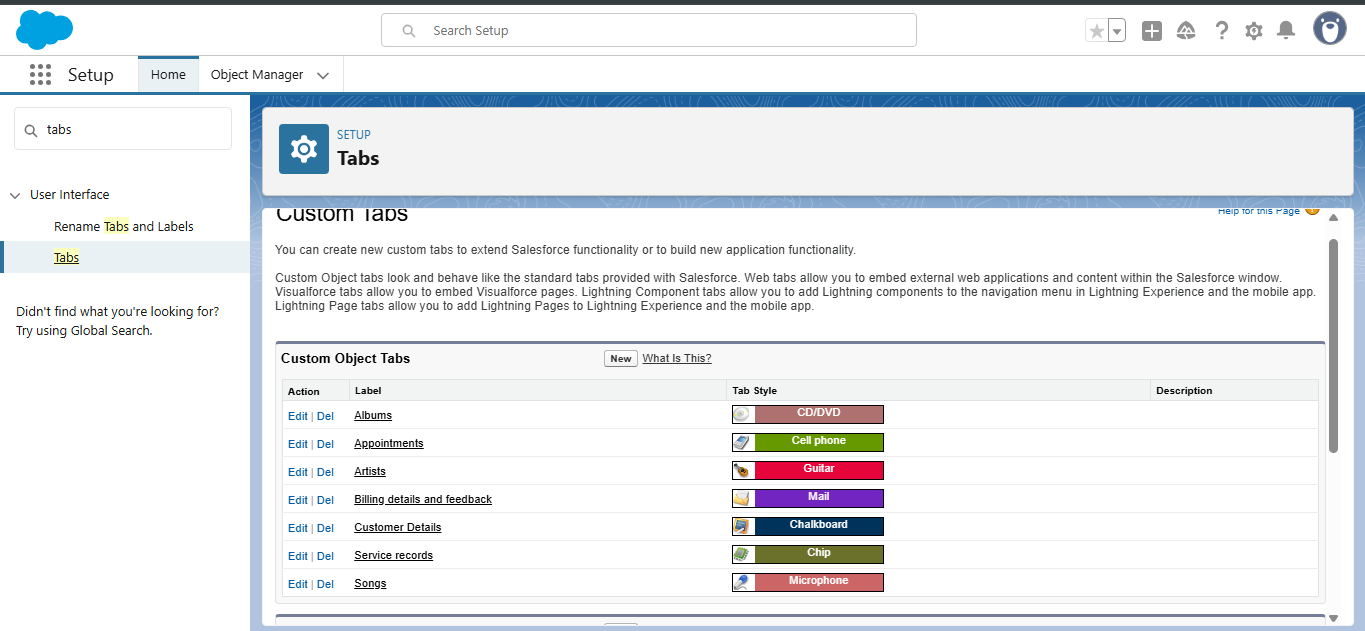




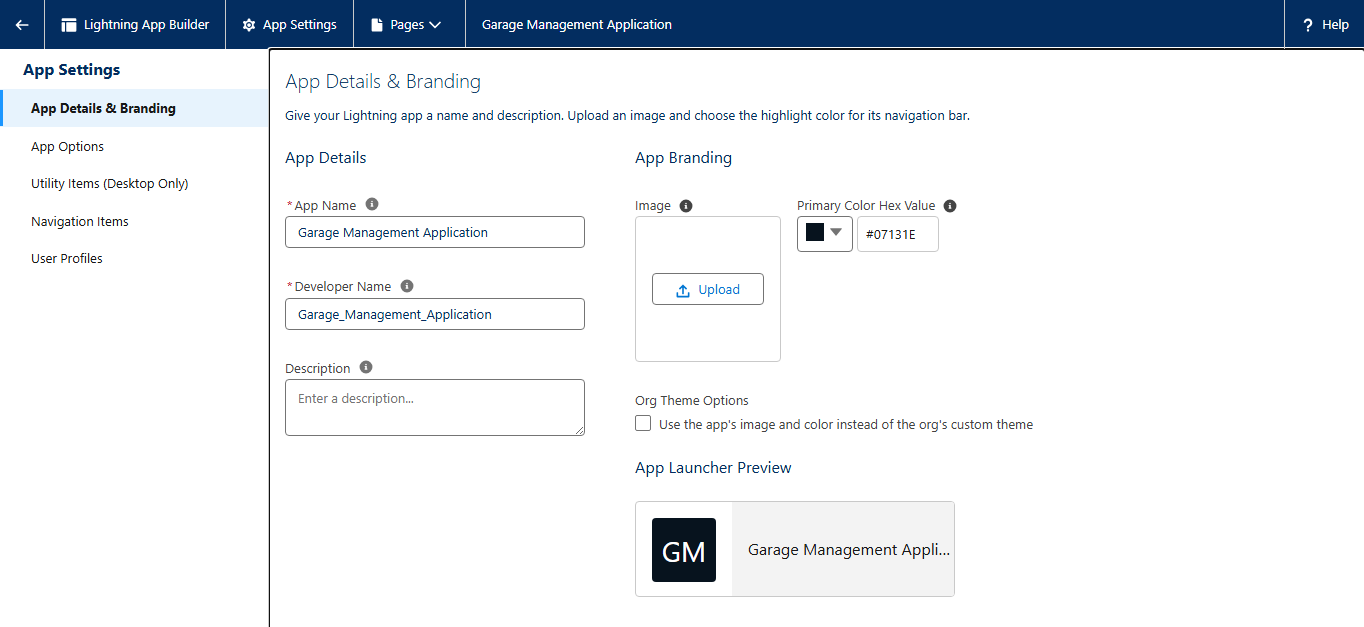




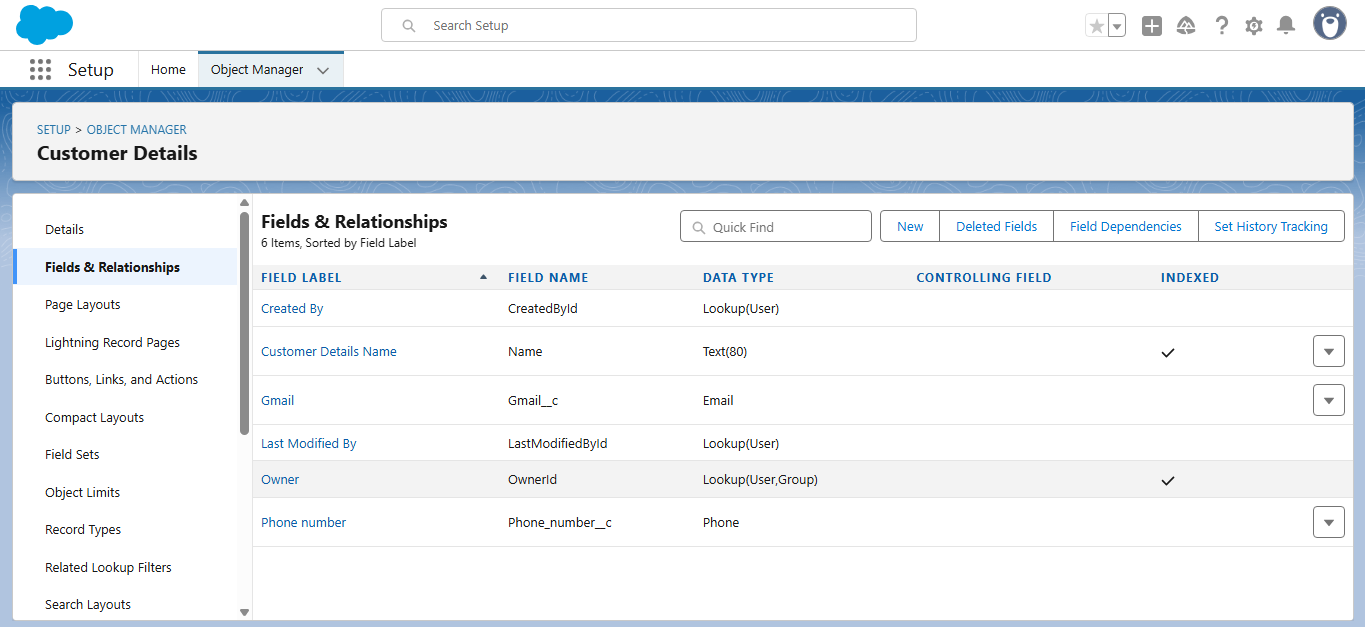
* CREATING TABS

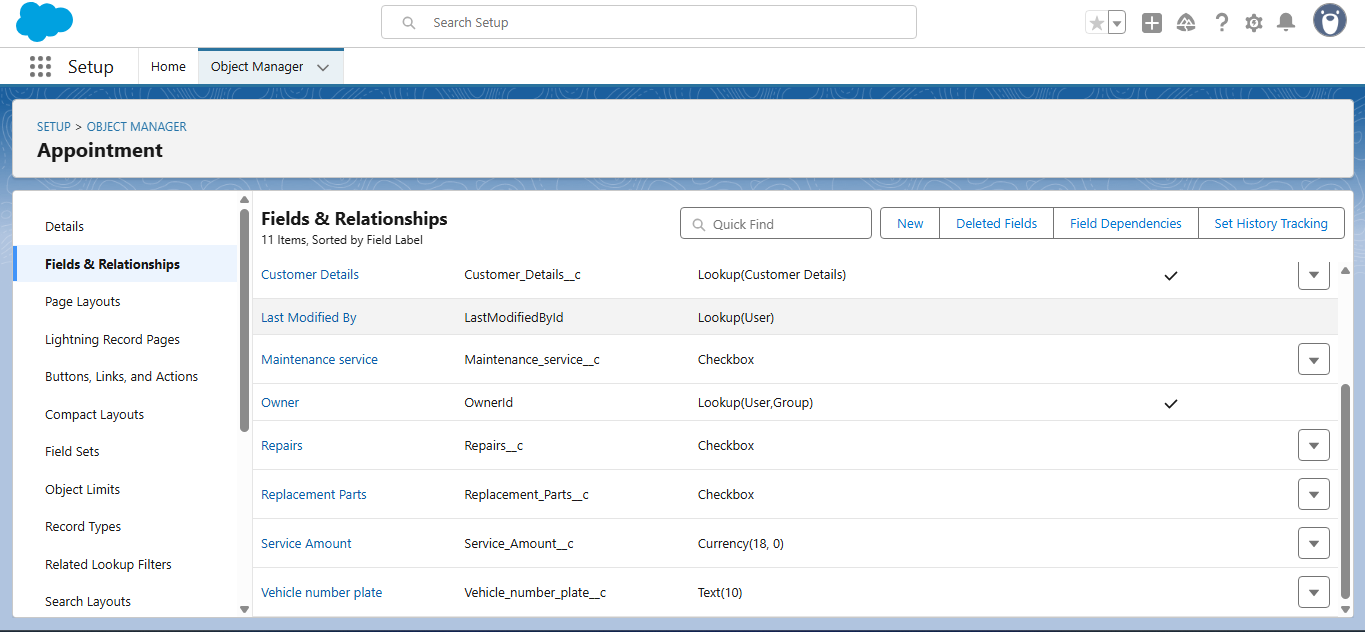


* Lightining app

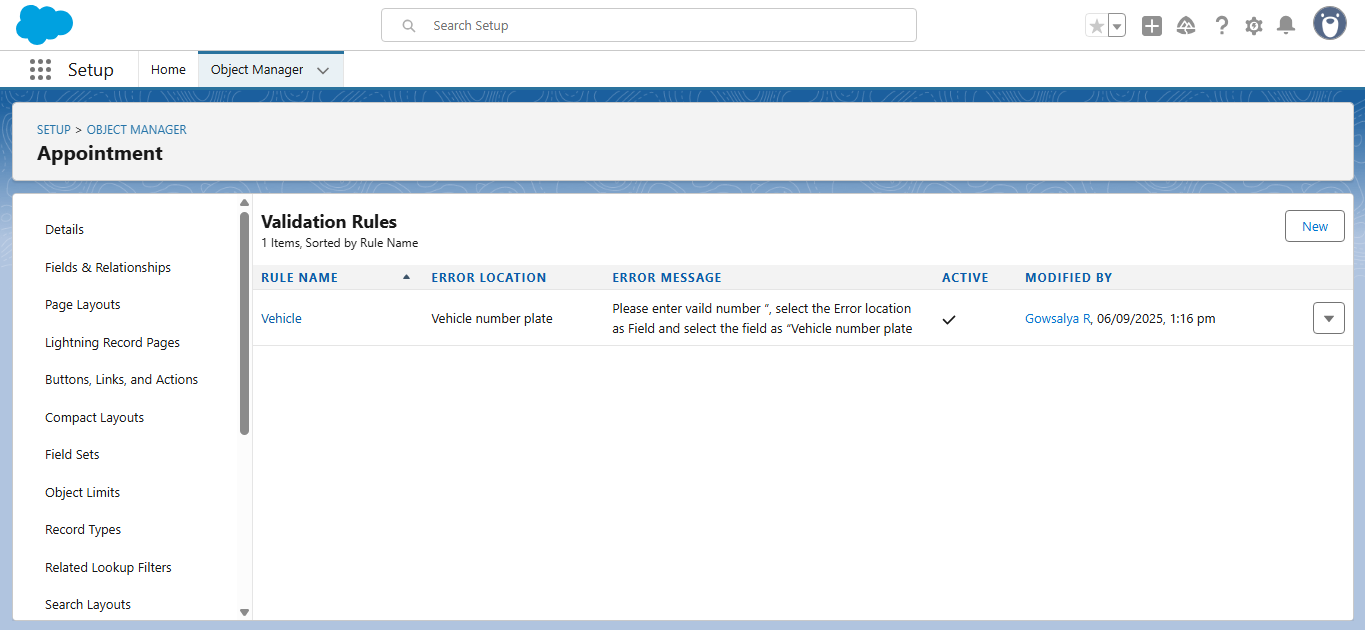


* Creating fields

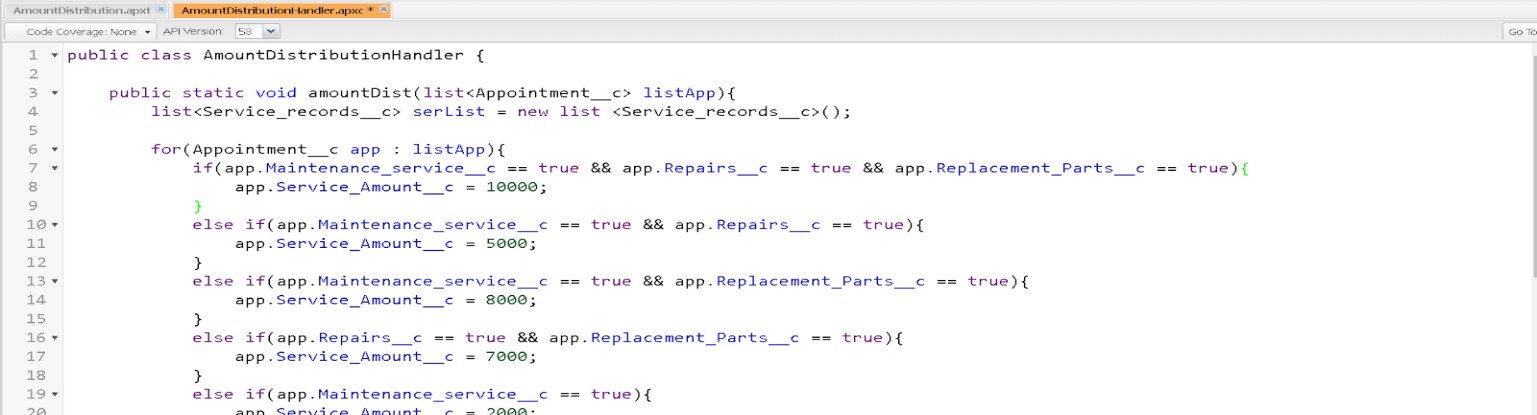




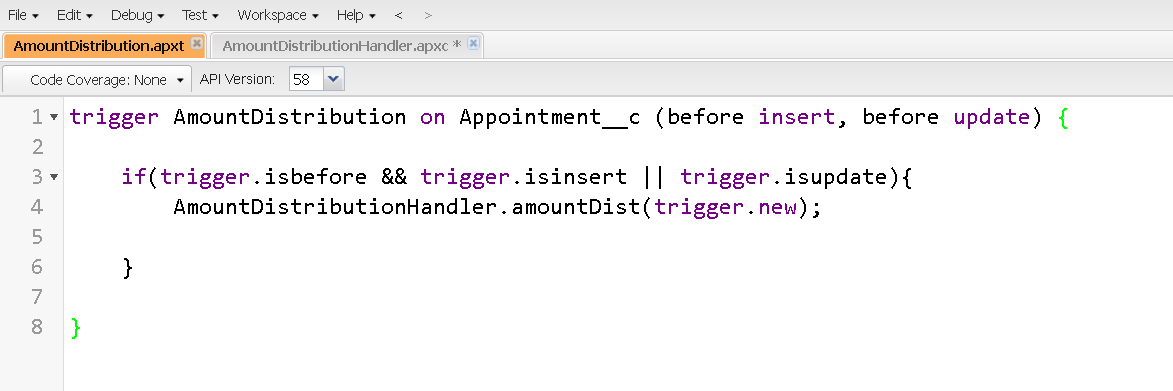
* To create a validation rule



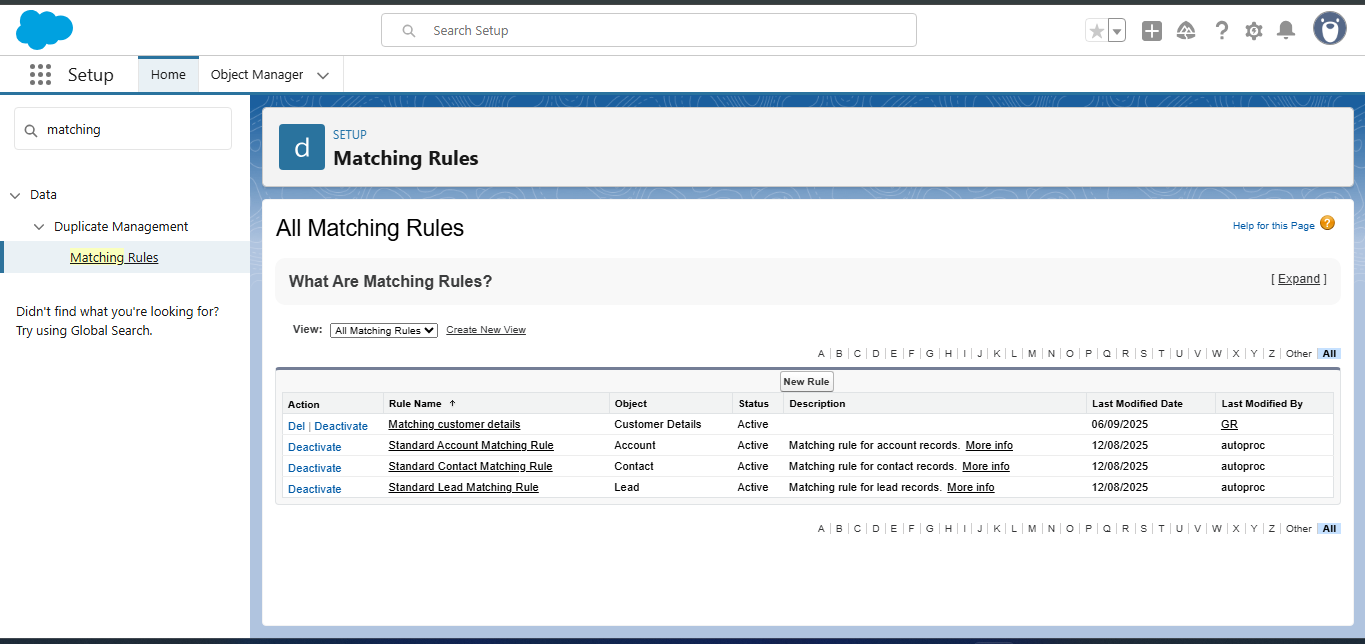
* Added Apex class for appointment distribution



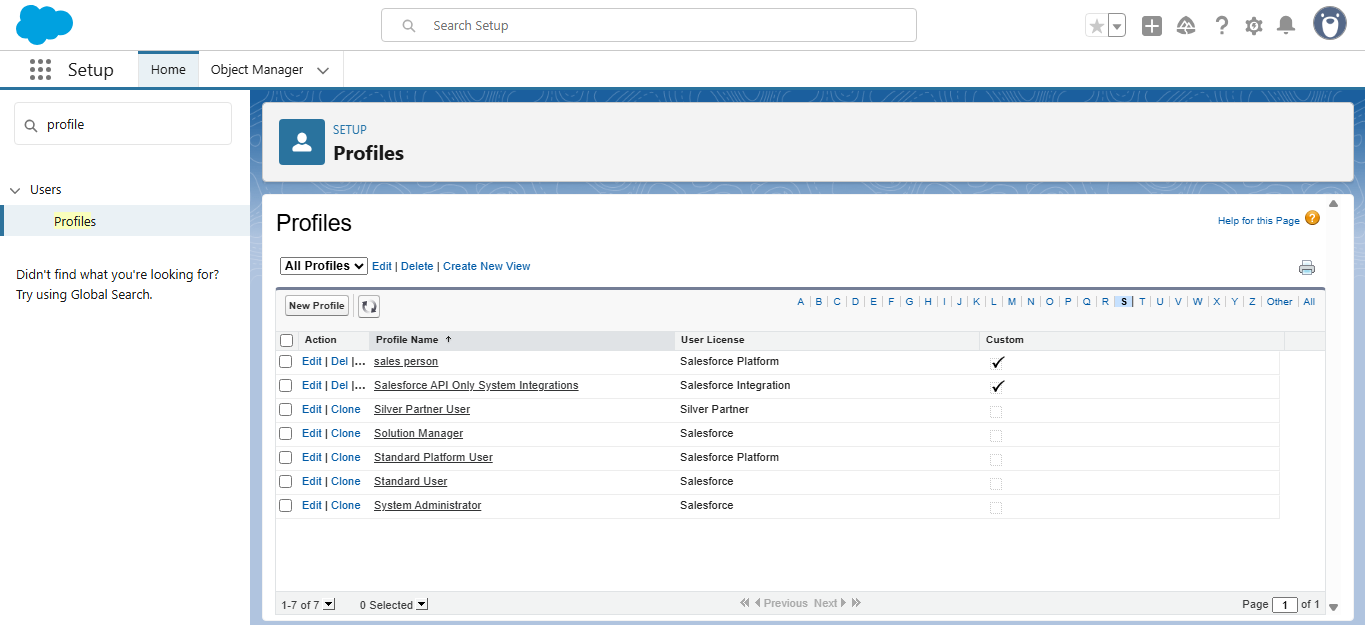
* Schedule appointment using Apex triggers



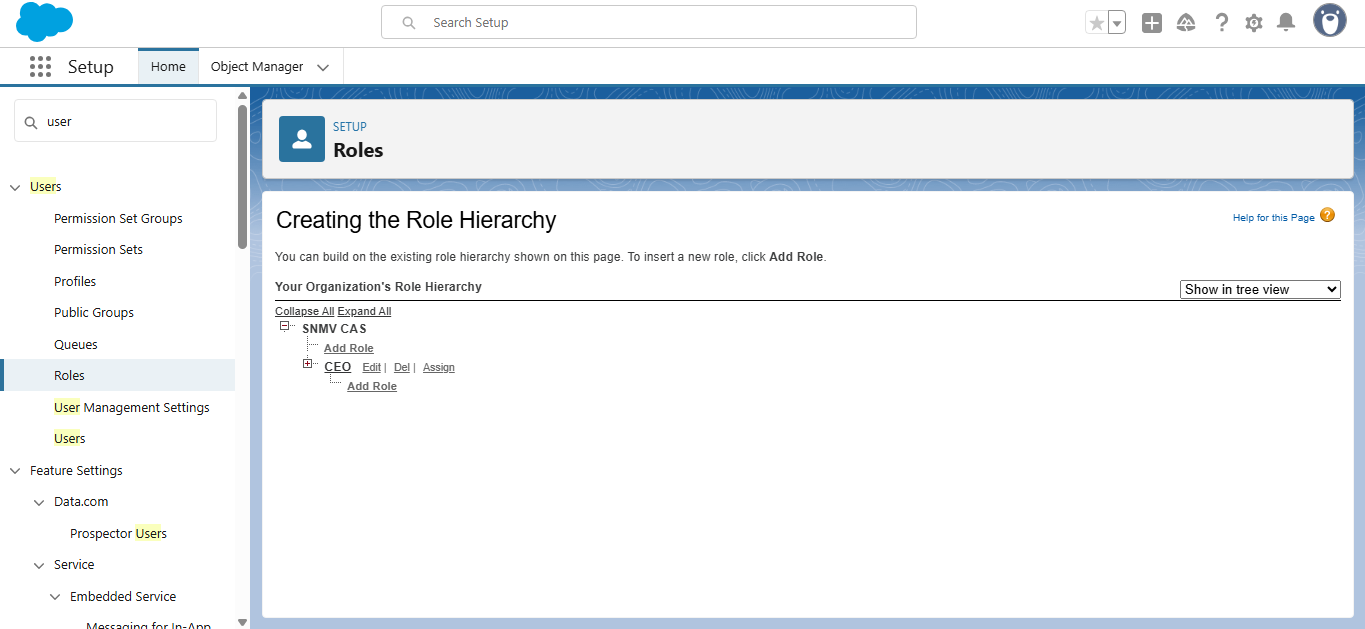
* Creating duplicate rule



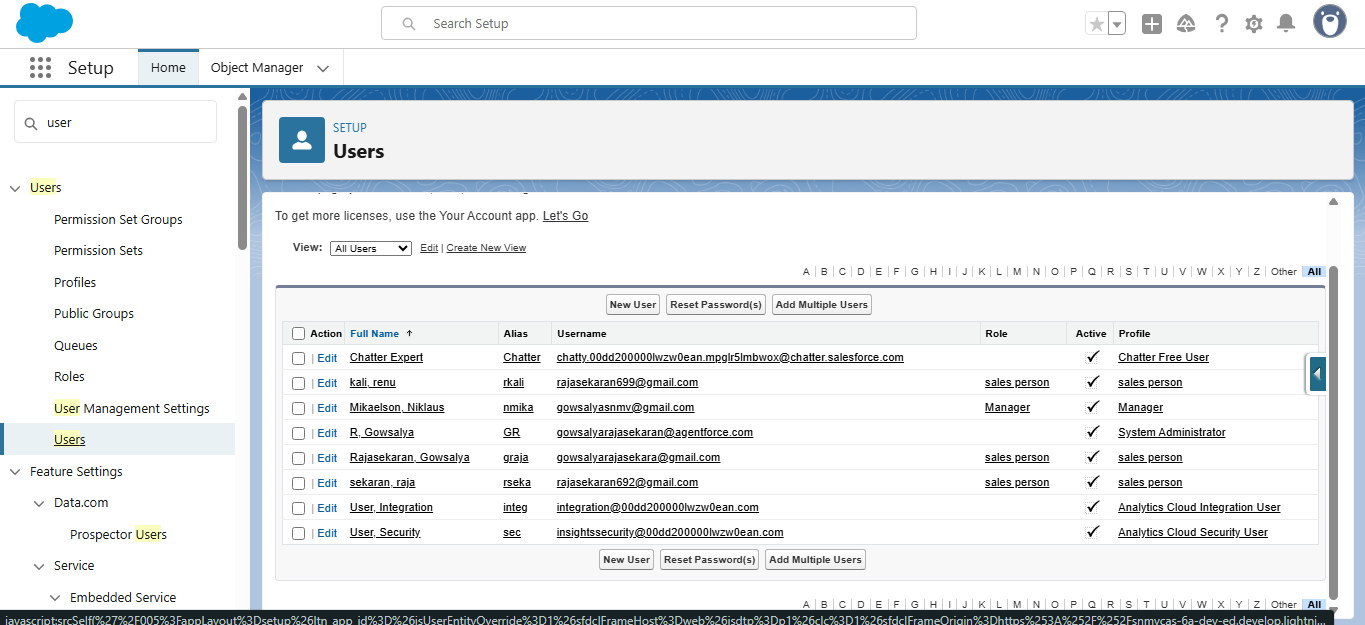
* Profile creating



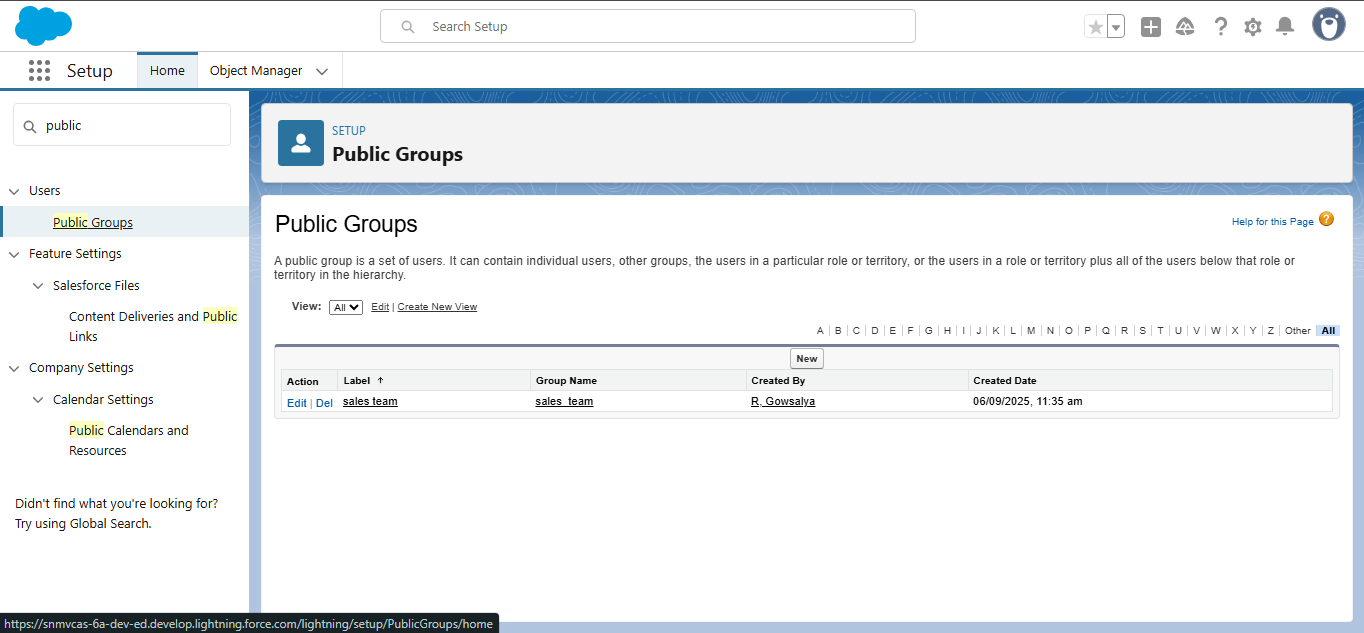
* Role



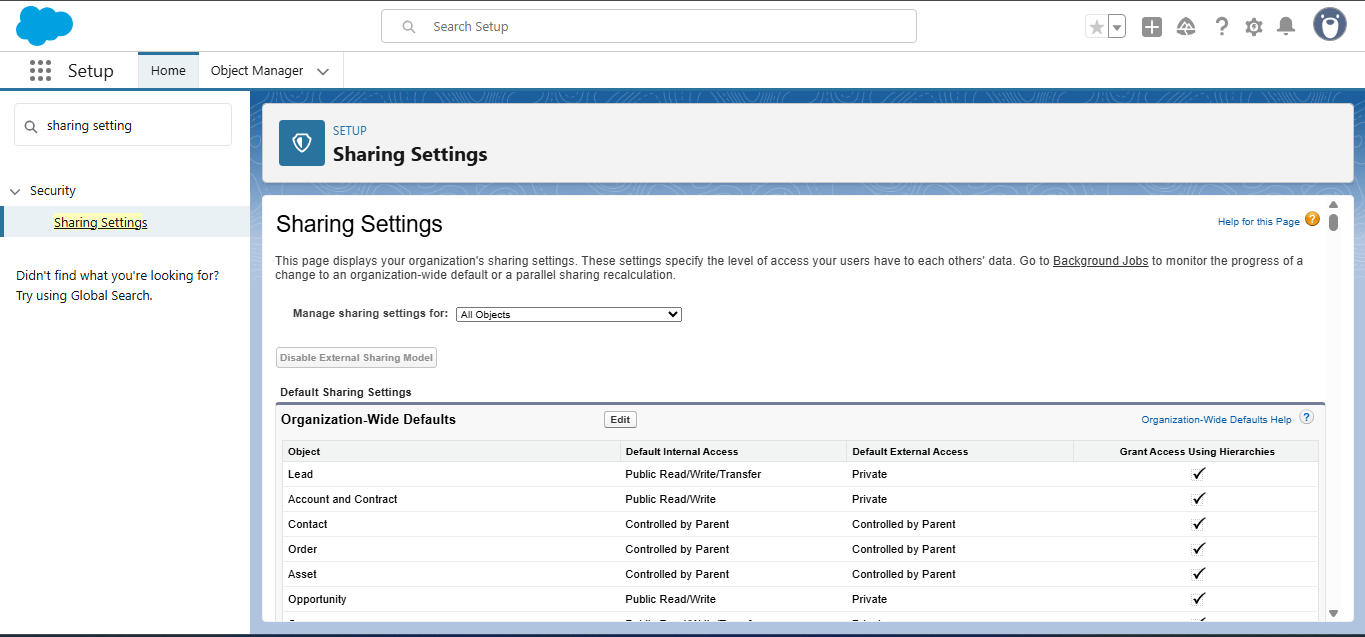
* Users



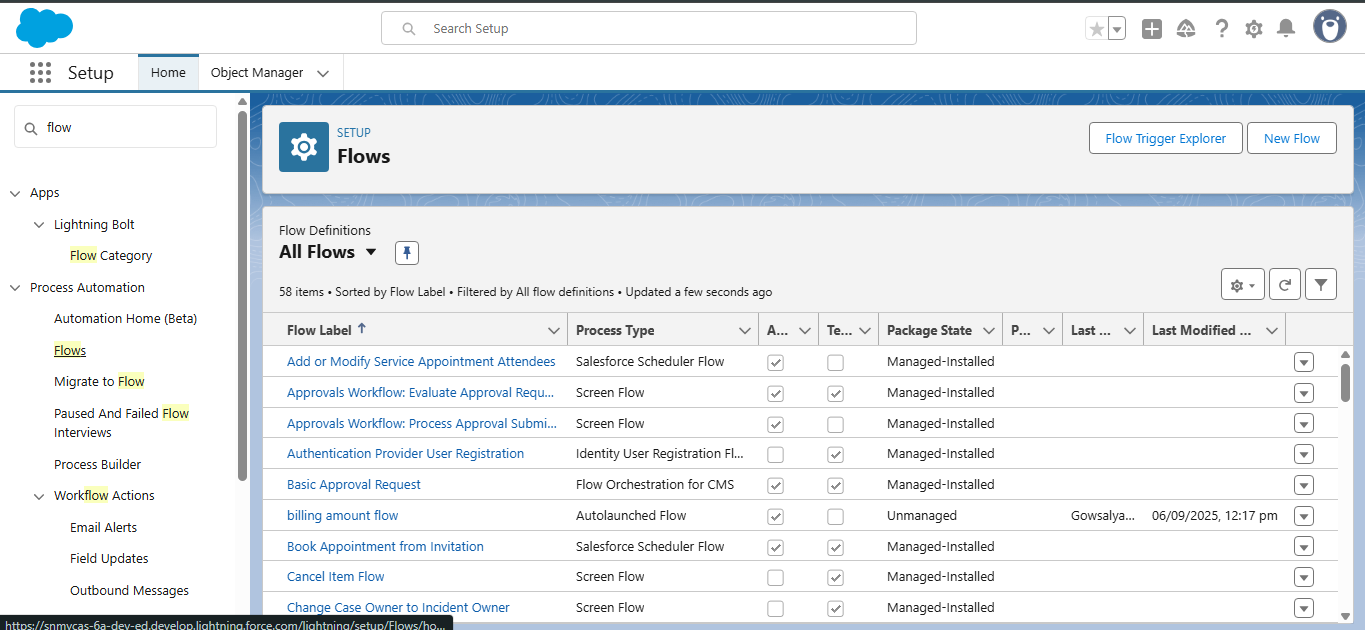
* Public group



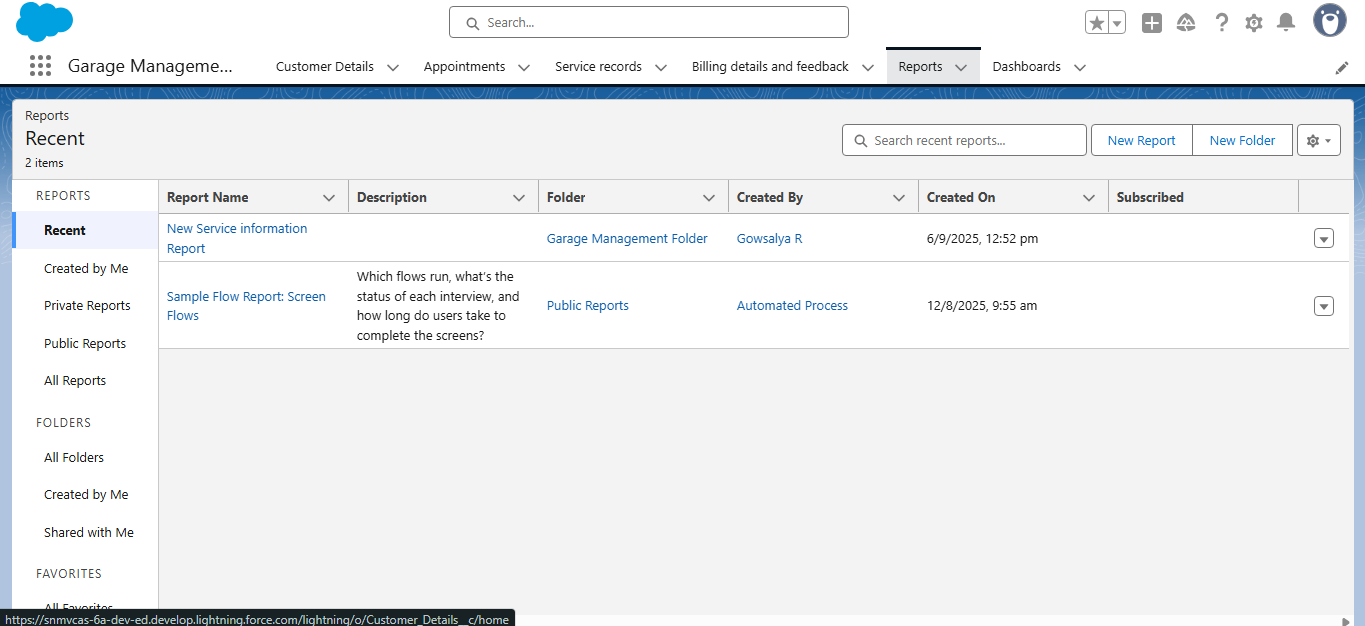
* Sharing setting



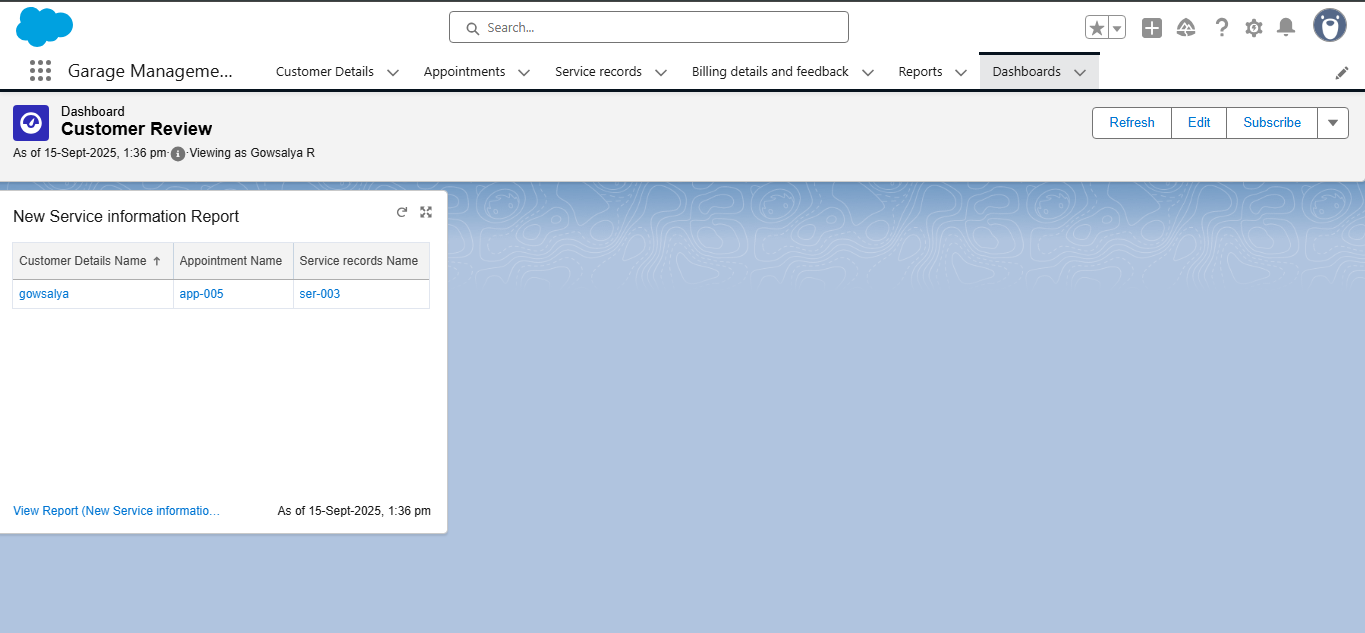
* Flows



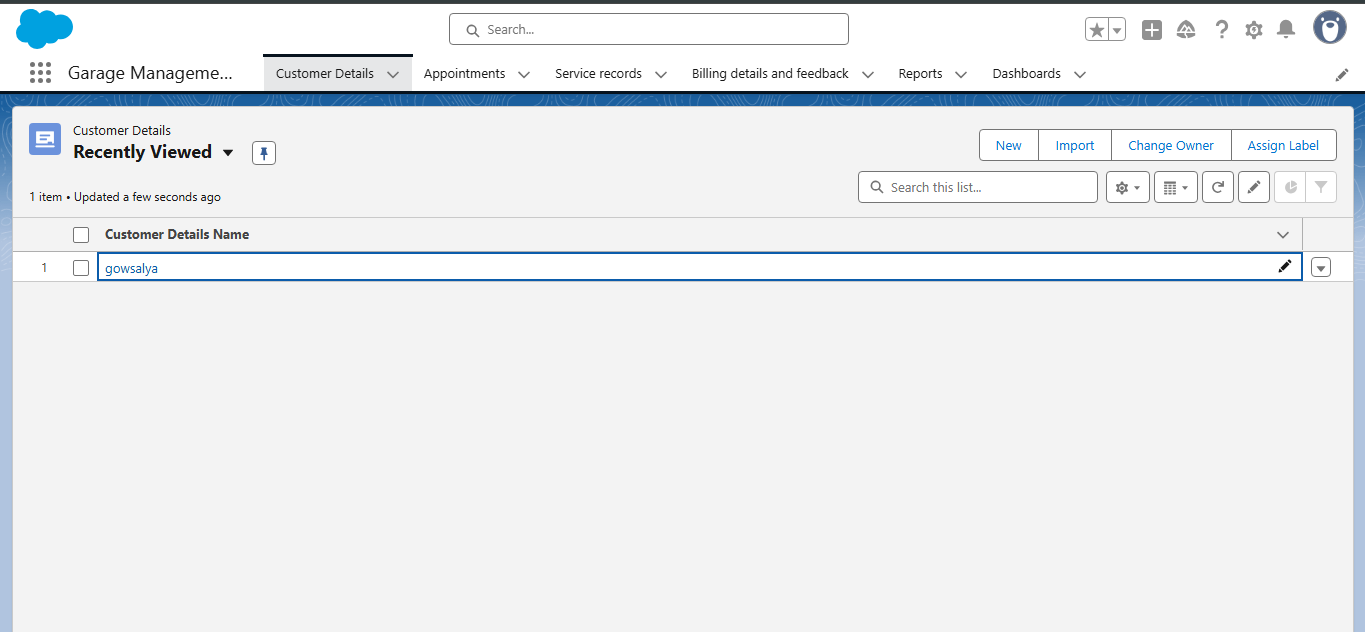
* Reports



* Dashboard



* Customer details



# CONCLUSION

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.

## APPENDIX

● **Source Code:** Provided in Apex Classes and Triggers

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;

            }

    }

    }

}

trigger AmountDistribution on Appointment\_\_c (before insert, before update) {

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

        AmountDistributionHandler.amountDist(trigger.new);

    }

}