

A CRM Application to Manage the Mall

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About The Project:

Salesforce CRM



Salesforce is a cloud-based Customer Relationship Management (CRM) platform that enables businesses to manage customer data, sales operations, and marketing campaigns.

Customer relationship management (CRM) is a technology for managing a company's relationships and interactions with all of its customers and potential customers. The goal is simple: Improve business relationships.

A CRM brings your teams together, sharing information that makes everyone's job easier.

SmartMall:

We Created CRM Application Named SmartMall

This SmartMall we can manage the Mall

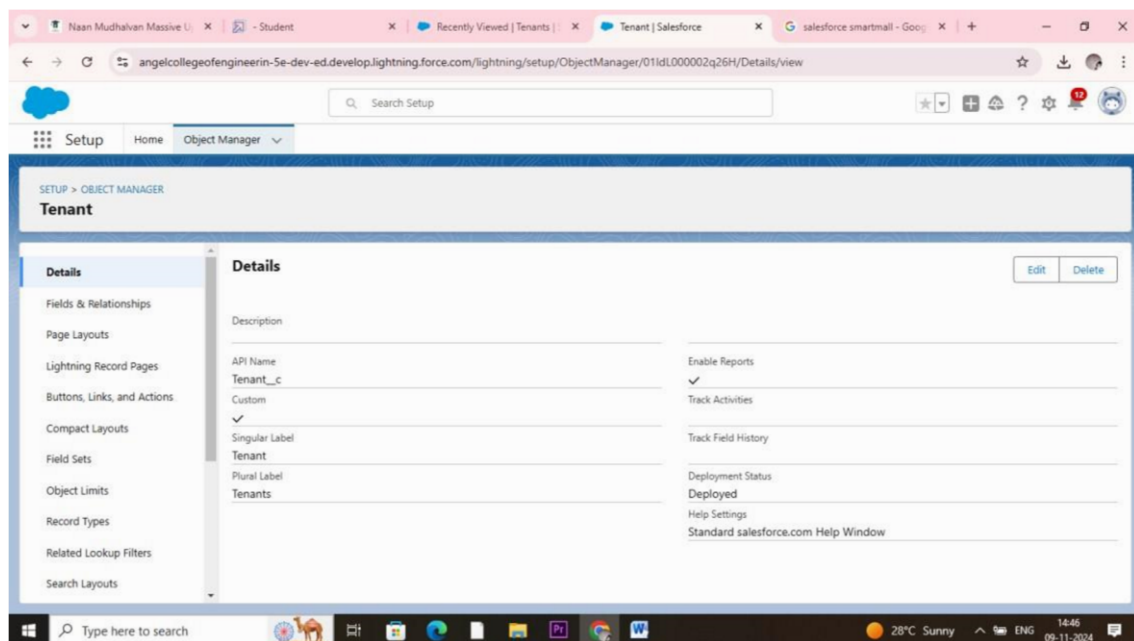
This SmartMall Application can manage the tenant and tenant issues ,reports and dashboards

To Create the SmartMall

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

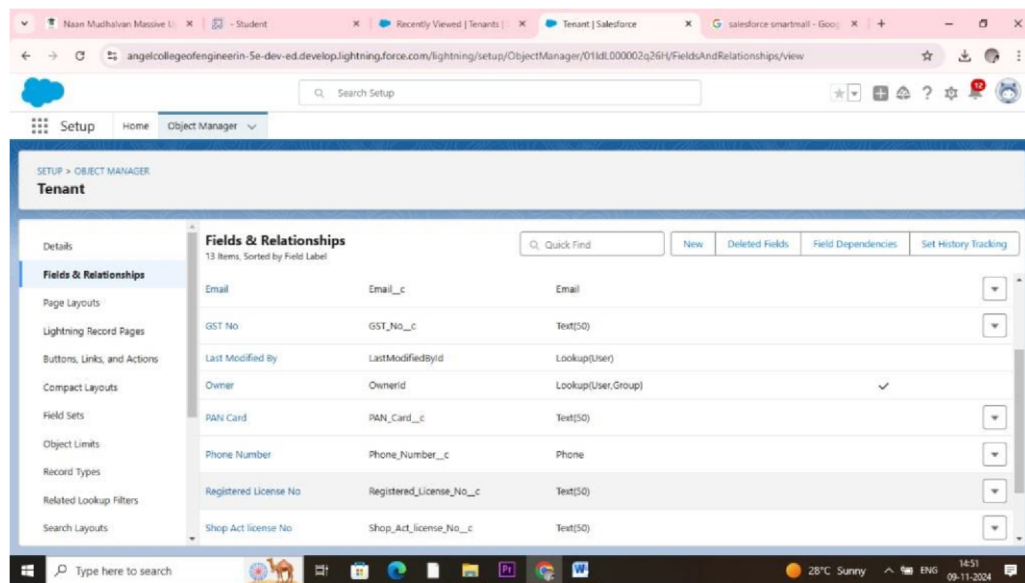
Creating The Custom Object for the CRM Application

Object Names are Tenant,Tenant Issues,Lease Tracking



And Create Custom Tab in Salesforce Application for Each Objects.

Create the Fields and Relationships to the Each Objects



Create the Lightning App

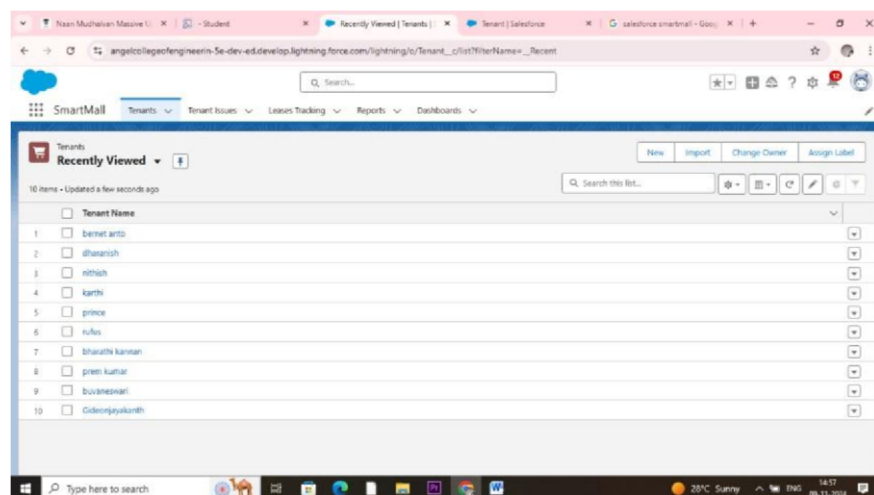
An app is a collection of items that work together to serve a particular function. In Lightning Experience, Lightning apps gives users access to sets of objects, tabs, and other items all in one convenient bundle in the navigation bar.

There are two types of Salesforce Applications:

Standard Apps

Custom Apps

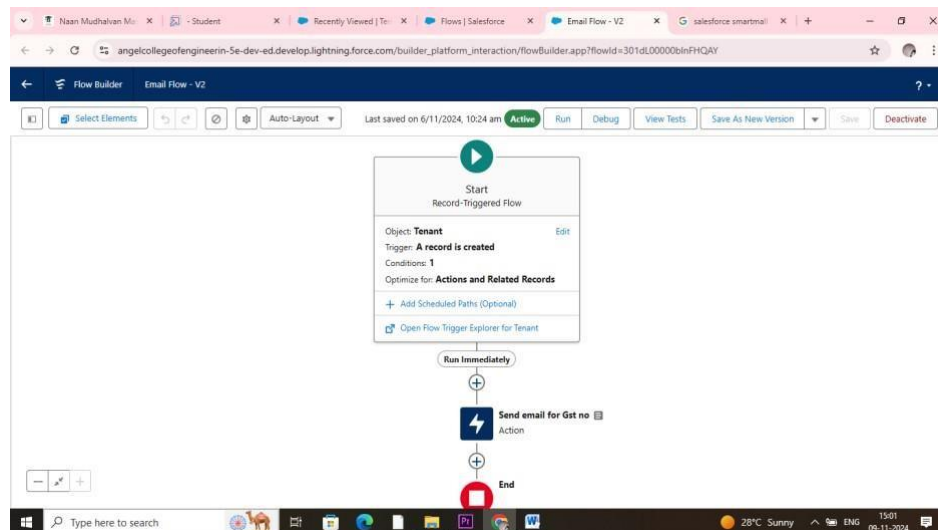
In This step we named the Application into SmartMall



After Insert the records to the created objects.

Create Flows

In Salesforce, a Flow is a powerful tool that allows users to automate complex business processes by orchestrating and automating sequences of tasks, data manipulations, and user interactions. Flows are designed through a visual interface, making them accessible to users with varying technical expertise.



We created two flows for Tenant objects and Lease Management objects For

Email message send to customers enquiry.

Apex Triggers

A trigger is a set of Apex code that runs before or after DML(Data Manipulation Language) events.

A DML event could be a variety of data processing tasks that include the standard insert, update, and delete commands.

In our project we used apex trigger to run the project email confirmation

Code for Email

CODE SNIPPET :

```
trigger leaseTrackingTrigger on Lease_Tracking__c (After insert,After update) {  
    if(Trigger.isAfter && Trigger.IsUpdate)  
  
    {
```

```
LeaseTrackingTriggerHandler.method1(trigger.old);
```

```
}}
```

Code for Pan card: public class

```
TenantTriggerhandler {    public static void method1(List<Tenant__c>  
te)
```

```
{
```

```
    for(Tenant__c tenant : te)
```

```
    {
```

```
        if(tenant.Pan_Card_no__c.length() > 10)
```

```
        {
```

```
            tenant.addError("This Pan Card number is invalid, Please Enter Valid Pan Card  
number');
```

```
        }
```

```
    }
```

```
}}
```

Asynchronous Apex

Delete the Tenant Records Monthly whose Status Of Possession is closed.

1) Create a class with name tenantschedulable 2)

Give extension Schedulable to the class.

3) Open the Anonymous Window.

4) Schedule the class-

CODE SNIPPET : -

```
public class tenantschedulable implements Schedulable
```

```

{ public void execute(Schedulablecontext sc) {    list<Tenant__c> ten = [SELECT Id,
Status_of_Possession__c FROM Tenant__c ];    list<Tenant__c> tenantstodelete

= New List<Tenant__c>();

    for(Tenant__c te: ten)

    {
        if(te.Status_of_Possession__c == 'Closed')

        {

            tenantstodelete.add(te);

        }

    }

    Delete tenantstodelete;

}
}

```

Create Reports And Dashboards

Create a Report of lease Management Records

The Manager needs a report which shows the tenant and their joining date and their Remaining payment details and also group this by date of Registration, and make a bucket list of remaining amount as greater than 1000000 as red, less than 1000 and greater than 500000 as blue and less than equal to 500000 as yellow.

Create a Report on Tenant issue Records

Now the manager is asking for a report on issues which has not been contacted or Open yet and has high priority which are directly encountered by Phone and Mail and the date of issue is from last 7 days

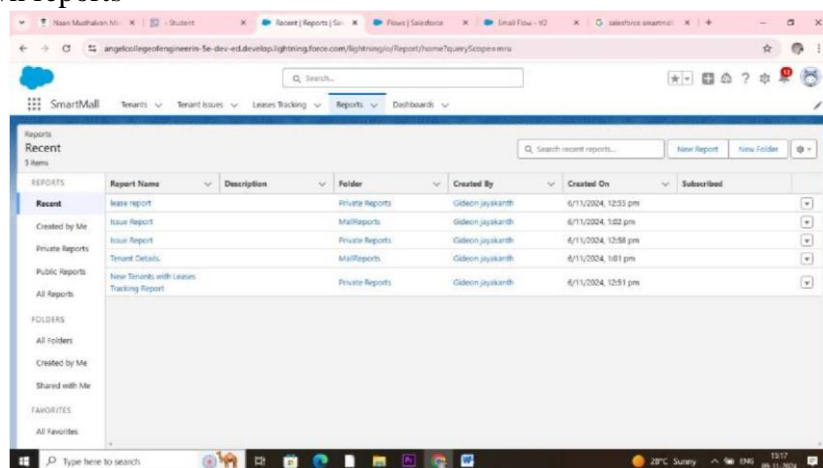
Create a Report on Tenant Records

Now, The Manager wants a Report which shows all the pending possessions and also shows the tenant's Pan Card no and GST NO and group date of reg by column and row by Status of Possession.

Create a Dashboard

Very Good, You have created multiple reports but now for better convenience the owner wants a Dashboard which shows the data of these reports

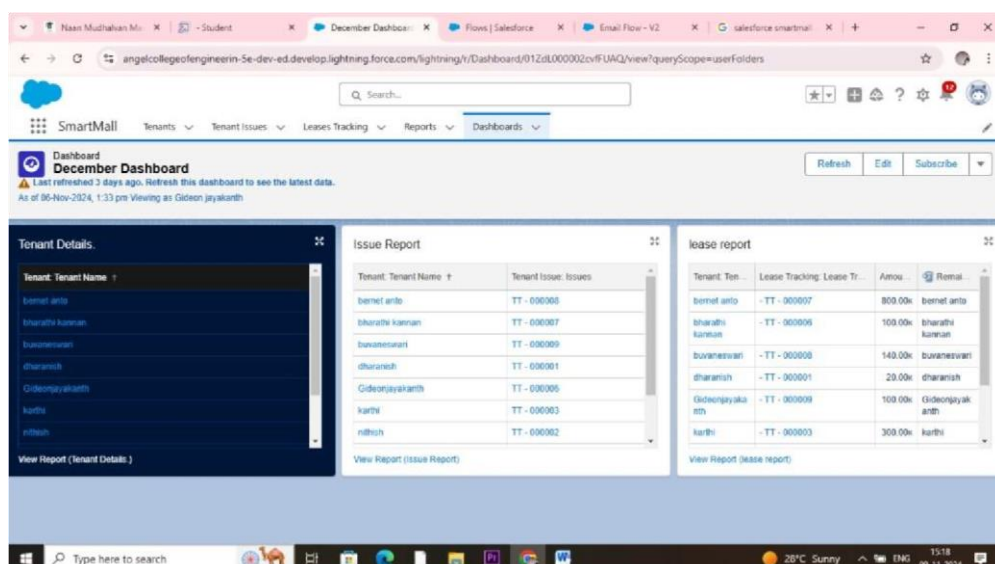
This image shown reports



The screenshot shows the Salesforce Reports interface. On the left, there's a sidebar with 'Recent' reports. The main area displays a table of reports with columns: Report Name, Description, Folder, Created By, Created On, and Subscribed. The table lists several reports, including 'lease report', 'Issue Report', 'Smart Details', and 'New Tenants with Leases Tracking Report'.

Report Name	Description	Folder	Created By	Created On	Subscribed
lease report		Private Reports	Gideon jayakanth	6/11/2024, 12:33 pm	
Issue Report		MailReports	Gideon jayakanth	6/11/2024, 1:02 pm	
Smart Details		Private Reports	Gideon jayakanth	6/11/2024, 12:58 pm	
New Tenants with Leases Tracking Report		MailReports	Gideon jayakanth	6/11/2024, 1:01 pm	

This image shown dashboard



The screenshot shows the Salesforce Dashboard titled 'December Dashboard'. It features three report components: 'Tenant Details', 'Issue Report', and 'lease report'. Each component displays a table of data related to tenants and their issues/leases.

Tenant	Tenant Name	Tenant Issue: Issues
barnet anto	TT - 000068	
bharathi kumaran	TT - 000067	
buvananeswari	TT - 000069	
dharamesh	TT - 000061	
Gideonjayakanth	TT - 000065	
karthi	TT - 000063	
nithish	TT - 000062	

Tenant	Lease Tracking: Lease Tr...	Amou...	Remat...
barnet anto	- TT - 000057	809.00m	barnet anto
bharathi kumaran	- TT - 000056	100.00m	bharathi kumaran
buvananeswari	- TT - 000058	140.00m	buvananeswari
dharamesh	- TT - 000051	20.00m	dharamesh
Gideonjayakanth	- TT - 000059	100.00m	Gideonjayakanth
karthi	- TT - 000053	300.00m	karthi

This is the Final report of our project A CRM Application to Manage the Mall has been created and Executed successfully