

LEASE MANAGEMENT

Project by :

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Introduction:

A lease management project involves creating a system or application to efficiently handle the processes related to leasing real estate properties, equipment, or other assets. The goal is to streamline and automate various tasks associated with lease agreements, ensuring accurate record-keeping, compliance with regulations, and effective communication between parties involved.

Property :

The **Property** in a lease management system refers to the unique name or label assigned to a property to distinguish it from others. It plays a vital role in ensuring clear identification and efficient record-keeping. The title is accompanied by essential details such as the property's address, type, and ownership information. This allows for organized management of properties, facilitating smooth

operations like lease agreements and tenant management.

SETUP > OBJECT MANAGER

property

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Fields & Relationships

8 Items, Sorted by Field Label

Q Quick Find

New

Deleted

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD
Address	Address__c	Long Text Area(32768)	
Created By	CreatedById	Lookup(User)	
Last Modified By	LastModifiedById	Lookup(User)	
Name	Name__c	Text(25)	
Owner	OwnerId	Lookup(User,Group)	
property Name	Name	Text(80)	
sfqt	sfqt__c	Text(18)	

Lease :

The **Lease** in a lease management system represents the formal agreement between a property owner and a tenant. It outlines the terms and conditions under which the property is rented, including the duration, rental amount, payment schedule, and any specific obligations or restrictions for both parties. The lease ensures clarity and legal compliance, serving as a reference for resolving disputes and managing the relationship between the owner and tenant. It is a crucial component for maintaining transparency and accountability in property rentals.

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lease

Details

Fields & Relationships

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Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Fields & Relationships

6 Items, Sorted by Field Label

Q Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
End date	End_date__c	Date		<div></div>
Last Modified By	LastModifiedById	Lookup(User)		
lease Name	Name	Text(80)		<div>✓</div> <div></div>
Owner	OwnerId	Lookup(User,Group)		<div>✓</div> <div></div>
start date	start_date__c	Date		<div></div>

Payment:

The **Payment** in a lease management system refers to the financial transaction made by the tenant to fulfill their rental obligations as outlined in the lease agreement. It includes details such as the payment amount, due date, payment method, and transaction status. Efficient tracking of payments helps ensure timely collection, minimizes disputes, and provides a clear record of the tenant’s financial compliance.

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Payment for tenantat

Details

Fields & Relationships

Page Layouts

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8 Items, Sorted by Field Label

Q Quick Find

New

Deleted Fields

Field Dependencies

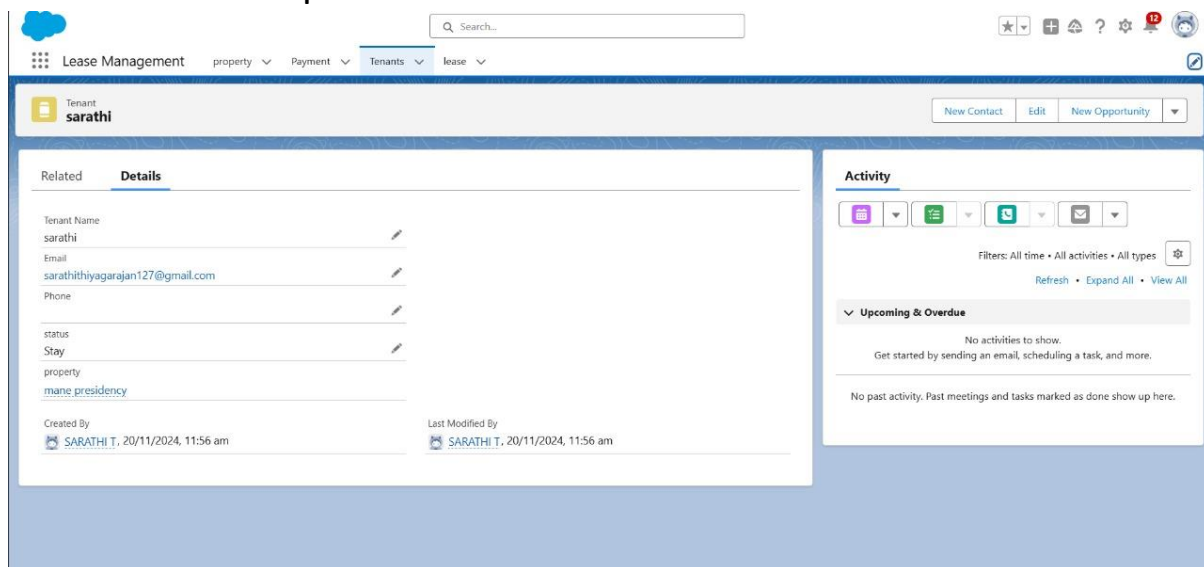
Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Amount	Amount__c	Number(18, 0)		
check for payment	check_for_payment__c	Picklist		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Payment date	Payment_date__c	Date		
Payment for tenantat Name	Name	Text(30)		✓
Tenant	Tenant__c	Lookup(Tenant)		✓

Tenant:

The **Tenant** in a lease management system refers to the individual or entity renting a property under a lease agreement. The system maintains detailed records of the tenant, including their personal information, contact details, and the property they are leasing. This ensures clear communication and effective management of tenant-related activities, such as lease agreements, payment tracking, and service requests. The tenant is a key stakeholder, and their satisfaction is vital for maintaining a positive and professional

rental relationship.



Email Templates :

The email templates in the lease management system streamline communication by addressing key aspects like property updates, lease agreements, payment notifications, and tenant interactions. They ensure consistency and professionalism in messages, whether notifying tenants about upcoming payments, sharing lease details, or providing updates on property availability or maintenance. These templates help maintain clear, efficient, and transparent communication between all stakeholders.

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.

Apex Trigger:

Code for test :

```
trigger test on Tenant__c (before insert)
{
    if(trigger.isInsert && trigger.isBefore){
        testHandler.preventInsert(trigger.new);
    }
}
```

Apex Class :

Code for tesHandler :

```
public class testHandler {

    public static void preventInsert(List<Tenant__c> newList) {

        Set<Id> existingPropertyIds = new Set<Id>();

        for (Tenant__c existingTenant : [SELECT Id, Property__c FROM
Tenant__c WHERE Property__c != null]) {

            existingPropertyIds.add(existingTenant.Property__c);

        }

        for (Tenant__c newTenant : newList) {

            if (newTenant.Property__c != null &&
existingPropertyIds.contains(newTenant.Property__c)) {

                newTenant.addError('A tenant can have only one property');

            }

        }

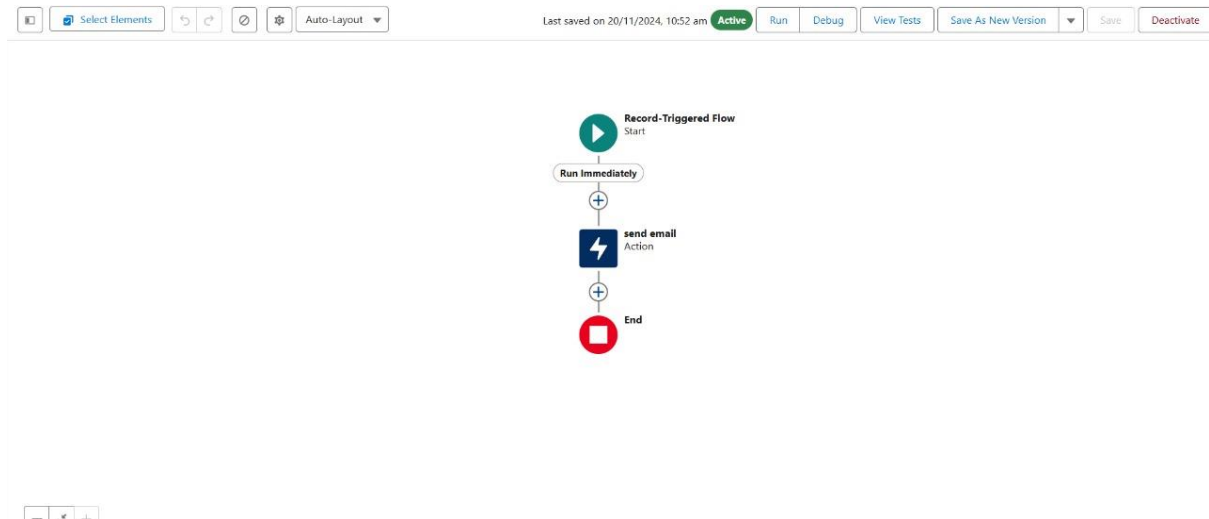
    }
}
```

}

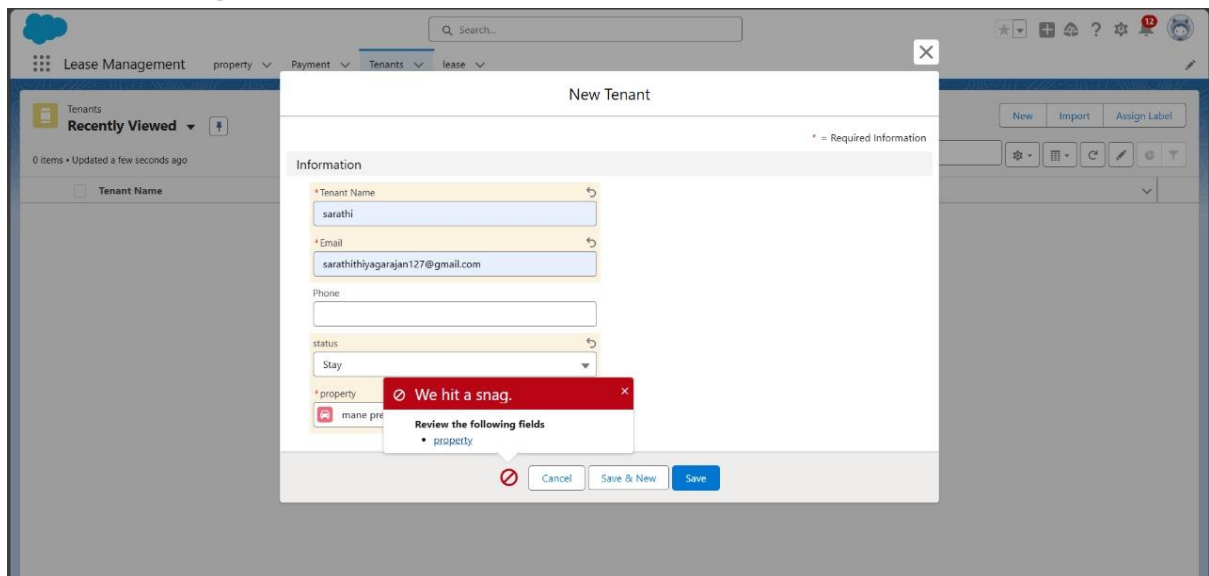
}

Flows :

In Salesforce, a flow is a tool that automates complex business processes. Simply put, it collects data and then does something with that data. Flow Builder is the declarative interface used to build individual flows.



Error message :



Schedule Class :

Code for class of Monthly payment :

```

global class MonthlyEmailScheduler implements Schedulable {
    global void execute(SchedulableContext sc) {
        Integer currentDay = Date.today().day();
        if (currentDay == 1) {
            sendMonthlyEmails();
        }
    }

    public static void sendMonthlyEmails() {

        List<Tenant__c> tenants = [SELECT Id, Email__c FROM
Tenant__c];

        for (Tenant__c tenant : tenants) {
            String recipientEmail = tenant.Email__c;

            String emailContent = 'I trust this email finds you well. I am
writing to remind you that the monthly rent is due Your timely
payment ensures the smooth functioning of our rental arrangement
and helps maintain a positive living environment for all.';

            String emailSubject = 'Reminder: Monthly Rent Payment Due';

            Messaging.SingleEmailMessage email = new
Messaging.SingleEmailMessage();

            email.setToAddresses(new String[]{recipientEmail});

```

```
email.setSubject(emailSubject);  
email.setPlainTextBody(emailContent);
```

```
        Messaging.sendEmail(new  
Messaging.SingleEmailMessage[]{email});  
    }  
}  
}
```

Conclusion :

In conclusion, the lease management system serves as a comprehensive solution for streamlining property, tenant, lease, and payment management. By organizing essential information and automating key processes, it enhances efficiency, reduces errors, and fosters transparency between property owners and tenants. This system not only simplifies administrative tasks but also ensures timely communication and compliance with lease agreements, contributing to better property management and stronger tenant relationships.