

# LEASE MANAGEMENT

**COLLEGE NAME : L.R.G. GOVT. ARTS' COLLEGE FOR WOMEN**

**COLLEGE CODE : bru07**

**TEAM ID: NM2025TMID27996**

**TEAM MEMBERS:**

**Team Leader Name: R . Bhavatharani**

**Email : [bbhavatharani018@gmail.com](mailto:bbhavatharani018@gmail.com)**

**Team Member: S . Annakamatchi**

**Email : [sannakamatchiammu@gmail.com](mailto:sannakamatchiammu@gmail.com)**

**Team Member: S . Asmitha**

**Email : [asmitha4019@gmail.com](mailto:asmitha4019@gmail.com)**

**Team Member: S . Deepika**

**Email : [deepikasenthilkumar2020@gmail.com](mailto:deepikasenthilkumar2020@gmail.com)**

## **1.INTRODUCTION**

**Lease Management helps organizations manage lease agreements efficiently, tracking payments, renewals, and compliance.**

### **1.1 Project Overview**

**This project automates lease processes, allowing users to:**

- **Track lease terms and renewals**
- **Manage tenant payments**
- **Generate reports for compliance**

**It provides a centralized system to reduce manual work and errors, making lease management faster easier.**



## 1.2. Purpose

1. The aim of the Lease Management project is to streamline and digitize lease operations, enabling efficient monitoring of agreements, payments, and renewals. It helps minimize mistakes, save time, and offer a unified platform for managing all lease-related activities.

## DEVELOPMENT PHASE

### Creating Developer Account

By using this URL - <https://developer.salesforce.com/signup>

salesforce

### Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud.

Sign up for your Developer Edition.

- ✓ Build apps fast with drag-and-drop tools
- ✓ Go further with Apex code
- ✓ Build AI agents with Agentforce
- ✓ Harmonize your data with Data Cloud
- ✓ Ground Agentforce with structured and unstructured data
- ✓ Integrate with anything using APIs

Steps  
1 Select Type

Agentforce

#### Sign up for your Developer Edition

A free Salesforce Platform environment with Agentforce and Data Cloud

First name Last name

Bhavatharani R

Job title Work email

Developer bbhavatharani018@gmail.com

Company Country/Region

L.R.G.GOV.T,ARTS' CO India

Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

☐ I agree to the Main Services Agreement - Developer Services and Salesforce Program Agreement. I acknowledge, as described in the Developer Documentation: (1) the Developer Edition Includes autonomous and other generative AI features; and (2) Salesforce may limit use of those features and the org, and may terminate any org that has been inactive for 45 days.

Create objects:

- Property

← → ↻ orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/011gK000001xt4z/Details/view

Search Setup

Setup Home Object Manager

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  
Search Layouts  
List View Button Layout  
Restriction Rules

**Details** Edit Delete

Description

---

API Name

property\_\_c

Custom

✓

Singular Label

property

Plural Label

propertys

Enable Reports

✓

Track Activities

✓

Track Field History

✓

Deployment Status

In Development

Help Settings

[Standard salesforce.com Help Window](#)

## ● Tenant

← → ↻ orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/011gK000001xgNd/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Tenant

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

**Details** Edit Delete

Description

---

API Name

Tenant\_\_c

Custom

✓

Singular Label

Tenant

Plural Label

Tenants

Enable Reports

✓

Track Activities

✓

Track Field History

✓

Deployment Status

In Development

Help Settings

[Standard salesforce.com Help Window](#)

## ● Lease

← → ↻ orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000001xgU5/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**lease**

**Details** Edit Delete

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

**Details**

Description

API Name  
lease\_\_c

Custom  
✓

Singular Label  
lease

Plural Label  
lease

Enable Reports  
✓

Track Activities  
✓

Track Field History  
✓

Deployment Status  
In Development

Help Settings  
Standard salesforce.com Help Window

## • Payment

← → ↻ orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000001xgQr/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Payment for tenanat**

**Details** Edit Delete

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

**Details**

Description

API Name  
Payment\_for\_tenanat\_\_c

Custom  
✓

Singular Label  
Payment for tenanat

Plural Label  
Payment

Enable Reports  
✓

Track Activities  
✓

Track Field History  
✓

Deployment Status  
In Development

Help Settings  
Standard salesforce.com Help Window

## • Configured fields and relationships

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/011gK000001xf4z/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER

### property

Details

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

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
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)		✓
sfqft	sfqft__c	Text(18)		
Type	Type__c	Picklist		

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

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/011gK000001xgNd/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Tenant

Details

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

Quick Find New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Phone	Phone__c	Phone		
property	property__c	Lookup(property)		✓
status	status__c	Picklist		
Tenant Name	Name	Text(80)		✓

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

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000001xgU5/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**lease**

Details

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

Quick Find New Deleted Fields Field Dependencies Set History Tracking

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

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

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000001xgU7/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER  
**Payment for tenant**

Details

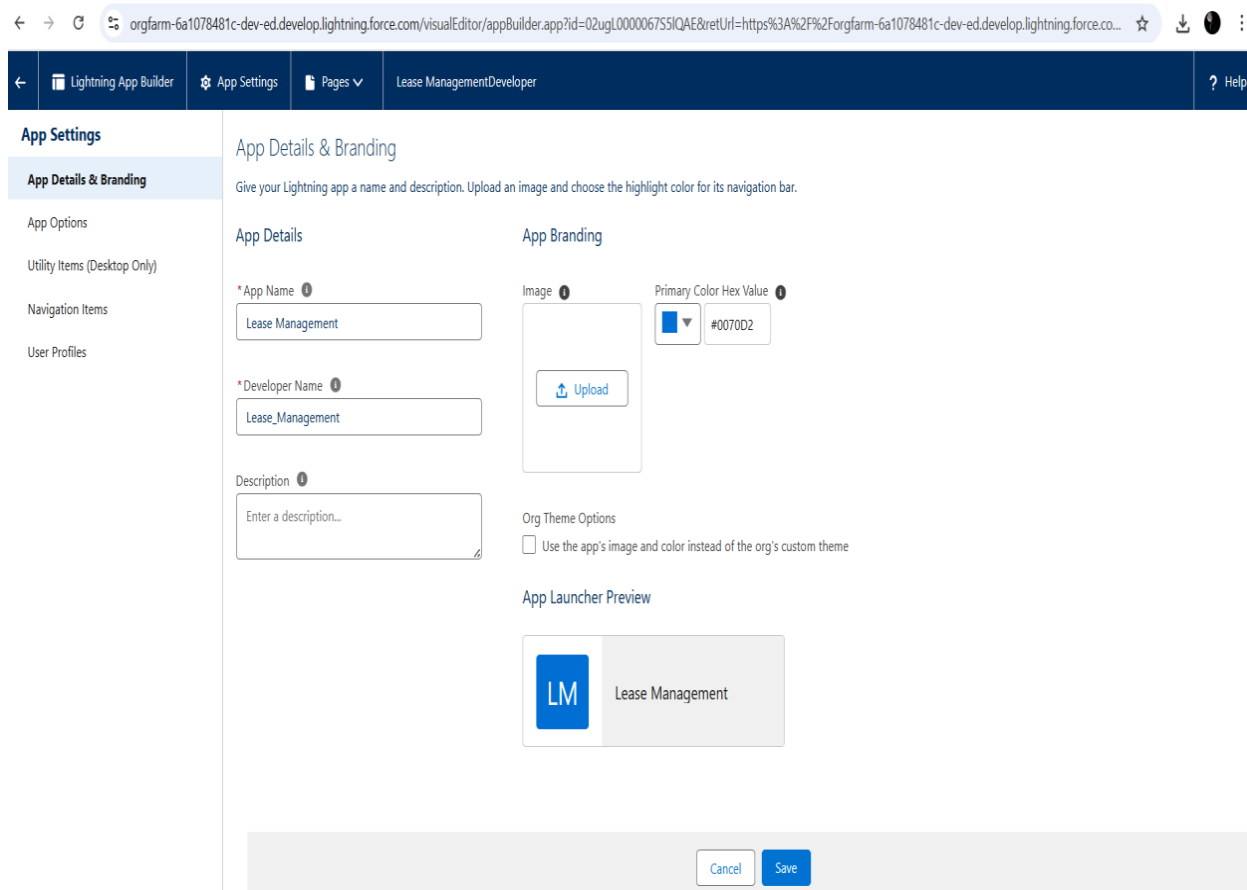
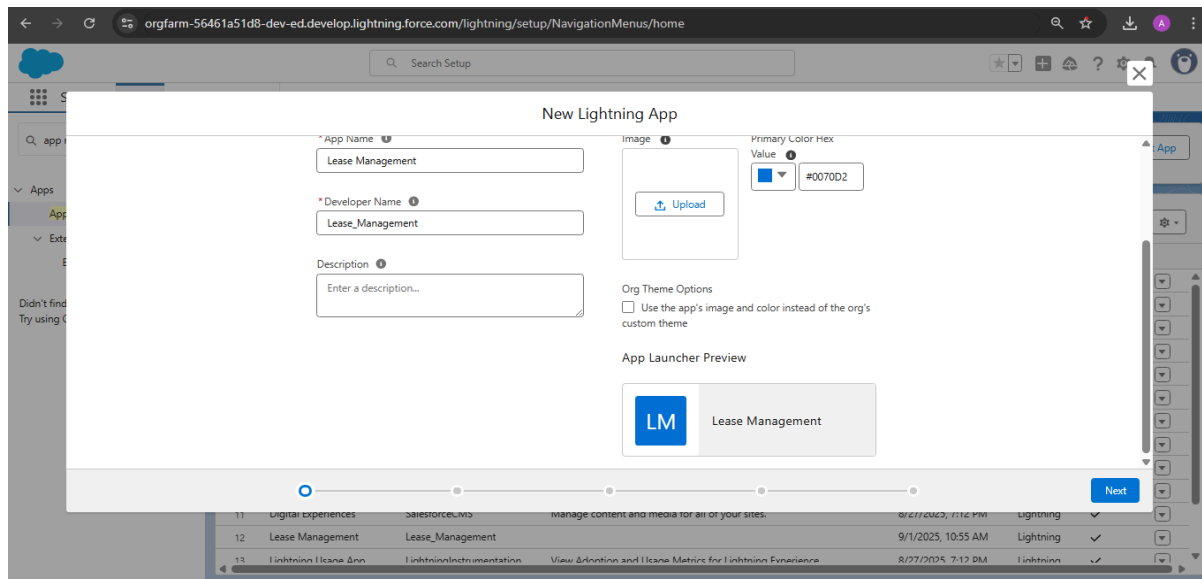
**Fields & Relationships**  
9 Items, Sorted by Field Label

Quick Find New Deleted Fields Field Dependencies Set History Tracking

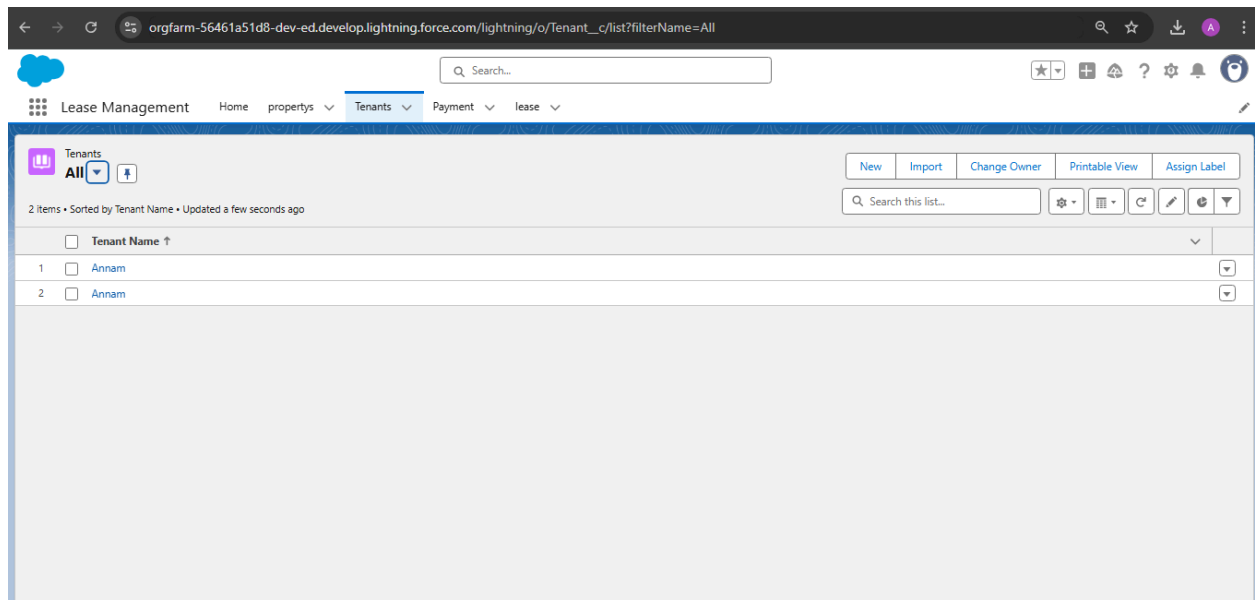
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Amount	Amount__c	Number(18, 0)		
check for payment	check_for_payment__c	Picklist		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Payment date	Payment_date__c	Date		
Payment Name	Name	Text(80)		✓
property	property__c	Lookup(property)		✓
Tenant	Tenant__c	Lookup(Tenant)		✓

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

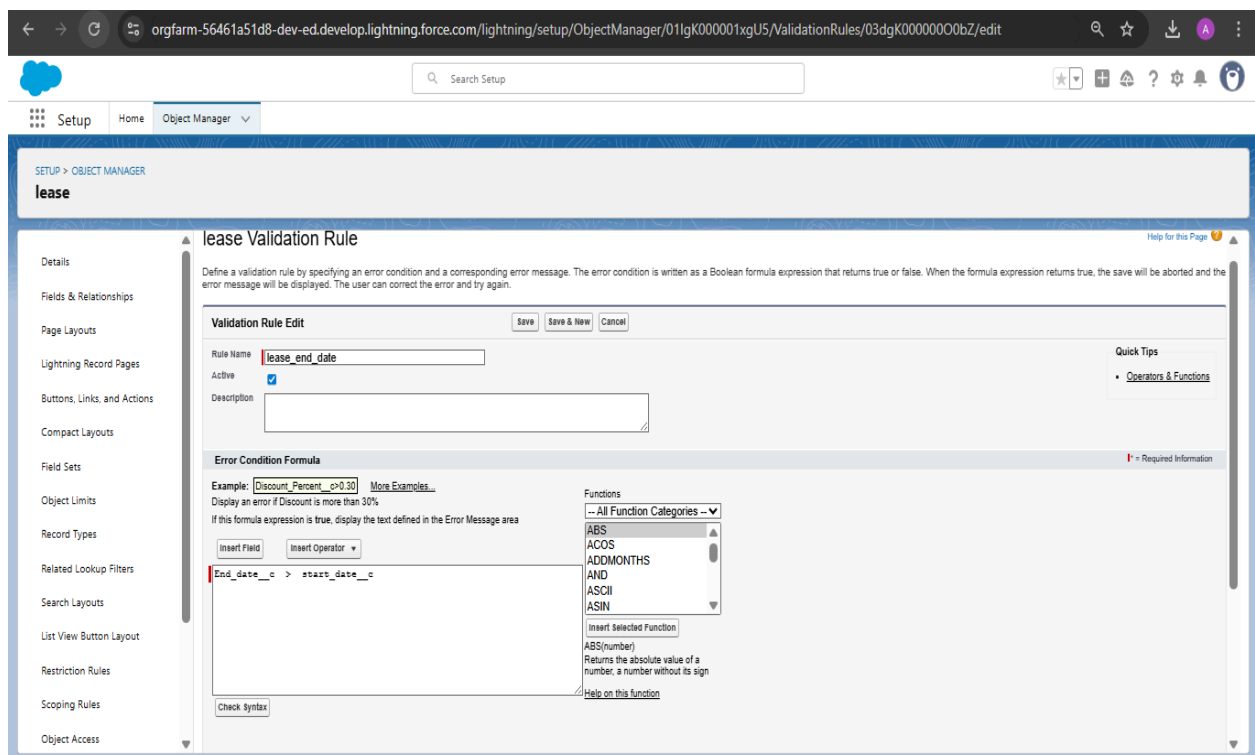
- Developed Lightning App with relevant tabs







- To create a validation rule to a Lease Object



orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgK000001xgU5/ValidationRules/03dgK000000O0bZ/view

Setup Home Object Manager

SETUP > OBJECT MANAGER

## lease

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Leases Filters

### lease Validation Rule

[Back to lease](#)

Validation Rule Detail

[Edit](#) [Clone](#)

Rule Name	lease_end_date	Active	<input checked="" type="checkbox"/>
Error Condition Formula	End_date__c > start_date__c		
Error Message	Your End date must be greater than start date	Error Location	start date
Description			
Created By	ANNAKAMATCHI S. 9/1/2025, 6:02 PM	Modified By	ANNAKAMATCHI S. 9/1/2025, 6:02 PM

[Edit](#) [Clone](#)

- Built and tested email templates for leave request, approval, rejection, payment, and reminders

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/CommunicationTemplatesEmail/page?address=%2F00XgK000005fVoB%3Fsetupid%3D...

Setup Home Object Manager

Q cla

Q Search Setup

Setup

Classic Email Templates

Classic Letterheads

Feature Settings

Analytics

Tableau

Tableau UAF Claims Definition

Custom Code

Apex Classes

Data Classification

Data Classification Download

Data Classification Settings

## Classic Email Templates

### tenant leaving

Preview your email template below.

Email Template Detail

[Edit](#) [Delete](#) [Clone](#)

Email Templates from Salesforce	Unfiled Public Classic Email Templates		
Email Template Name	tenant leaving	Available For Use	<input checked="" type="checkbox"/>
Template Unique Name	tenant_leaving	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	ANNAKAMATCHI S. <a href="#">Change</a>		
Description			
Created By	ANNAKAMATCHI S. 9/1/2025, 6:07 PM	Modified By	ANNAKAMATCHI S. 9/1/2025, 6:07 PM

[Edit](#) [Delete](#) [Clone](#)

### Email Template

[Send Test and Verify Merge Fields](#)

Subject request for approve the leave



Search Setup



Setup

Home

Object Manager

Q cla

Email

Classic Email Templates

Classic Letterheads

Feature Settings

Analytics

Tableau

Tableau UAF Claims  
Definition

Custom Code

Apex Classes

Data Classification

Data Classification Download

Data Classification Settings



SETUP

## Classic Email Templates

Text Email Template

### Leave approved

[Help for this Page](#)

Preview your email template below.

#### Email Template Detail

[Edit](#) [Delete](#) [Clone](#)

Email Templates from  
Salesforce

Unfiled Public Classic Email Templates

Email Template Name

Leave approved

Available For Use



Template Unique Name

Leave\_approved

Last Used Date

Encoding

Unicode (UTF-8)

Times Used

Author

[ANNAKAMATCHI S](#) [\(Change\)](#)

Description

Created By [ANNAKAMATCHI S](#), 9/1/2025, 6:10 PM

Modified By [ANNAKAMATCHI S](#), 9/1/2025, 6:10 PM

[Edit](#) [Delete](#) [Clone](#)

#### Email Template

[Send Test and Verify Merge Fields](#)

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/CommunicationTemplatesEmail/page?address=%2F00XgK000005ffk%3Fsetupid%3DCo...

Search Setup

Setup Home Object Manager

Q cla

Email

- Classic Email Templates
- Classic Letterheads

Feature Settings

- Analytics
  - Tableau
    - Tableau UAF Claims Definition

Custom Code

- Apex Classes

Data Classification

- Data Classification Download
- Data Classification Settings

### Classic Email Templates

Text Email Template

#### Leave rejected

Preview your email template below.

Help for this Page

#### Email Template Detail

Edit Delete Clone

Email Templates from Salesforce	Unfiled Public Classic Email Templates
Email Template Name	Leave rejected
Template Unique Name	Leave_rejected
Encoding	Unicode (UTF-8)
Author	ANNAKAMATCHI S [Change]
Description	
Created By	ANNAKAMATCHI S, 9/1/2025, 6:12 PM
Modified By	ANNAKAMATCHI S, 9/1/2025, 6:12 PM

Available For Use ☒

Last Used Date

Times Used

Edit Delete Clone

Email Template Send Test and Verify Merge Fields

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/CommunicationTemplatesEmail/page?address=%2F00XgK000005fg6r%3Fsetupid%3DCo...

Search Setup

Setup Home Object Manager

Q cla

Email

- Classic Email Templates
- Classic Letterheads

Feature Settings

- Analytics
  - Tableau
    - Tableau UAF Claims Definition

Custom Code

- Apex Classes

Data Classification

- Data Classification Download
- Data Classification Settings

### Classic Email Templates

Text Email Template

#### Tenant Email

Preview your email template below.

Help for this Page

#### Email Template Detail

Edit Delete Clone

Email Templates from Salesforce	Unfiled Public Classic Email Templates
Email Template Name	Tenant Email
Template Unique Name	Tenant_Email
Encoding	Unicode (UTF-8)
Author	ANNAKAMATCHI S [Change]
Description	
Created By	ANNAKAMATCHI S, 9/1/2025, 6:13 PM
Modified By	ANNAKAMATCHI S, 9/1/2025, 6:13 PM

Available For Use ☒

Last Used Date

Times Used

Edit Delete Clone

Email Template Send Test and Verify Merge Fields

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/CommunicationTemplatesEmail/page?address=%2F00XgK000005fgMz%3Fsetupid%3D...

Search Setup

Setup Home Object Manager

cla

Email

Classic Email Templates

Classic Letterheads

Feature Settings

Analytics

Tableau

Tableau UAF Claims Definition

Custom Code

Apex Classes

Data Classification

Data Classification Download

Data Classification Settings

## Classic Email Templates

Text Email Template

### tenant payment

Preview your email template below.

[Help for this Page](#)

#### Email Template Detail

Edit Delete Clone

Email Templates from Salesforce	Unfiled Public Classic Email Templates		
Email Template Name	tenant payment	Available For Use	✓
Template Unique Name	tenant_payment	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	ANNAKAMATCHI S <a href="#">[Change]</a>		
Description			
Created By	ANNAKAMATCHI S, 9/1/2025, 6:15 PM	Modified By	ANNAKAMATCHI S, 9/1/2025, 6:15 PM

Edit Delete Clone

Email Template

Send Test and Verify Merge Fields

- Approval Process creation

For Check for Vacant:

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ApprovalProcesses/page?address=%2F04agK000000B8K1

Search Setup

Setup Home Object Manager

appro

Data

Mass Transfer Approval Requests

Feature Settings

Approval Settings

Process Automation

Approval Processes

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

## Approval Processes

Approval Processes

### Tenant: check for vacant

[Back to Approval Process List](#)

[Help for this Page](#)

#### Process Definition Detail

Edit Clone Deactivate

Process Name	check for vacant	Active	✓
Unique Name	check_for_vacant	Next Automated Approver Determined By	
Description	Tenant: status NOT EQUAL to Leaving		
Entry Criteria	Tenant: status NOT EQUAL to Leaving		
Record Editability	Administrator ONLY	Allow Submitters to Recall Approval Requests	<input type="checkbox"/>
Approval Assignment Email Template			
Initial Submitters	Tenant Owner		
Created By	ANNAKAMATCHI S, 9/1/2025, 6:32 PM	Modified By	ANNAKAMATCHI S, 9/4/2025, 6:47 PM

#### Initial Submission Actions

Add Existing Add New

Action	Type	Description
Record Lock		Lock the record from being edited
Email Alert		Please Approve my leave

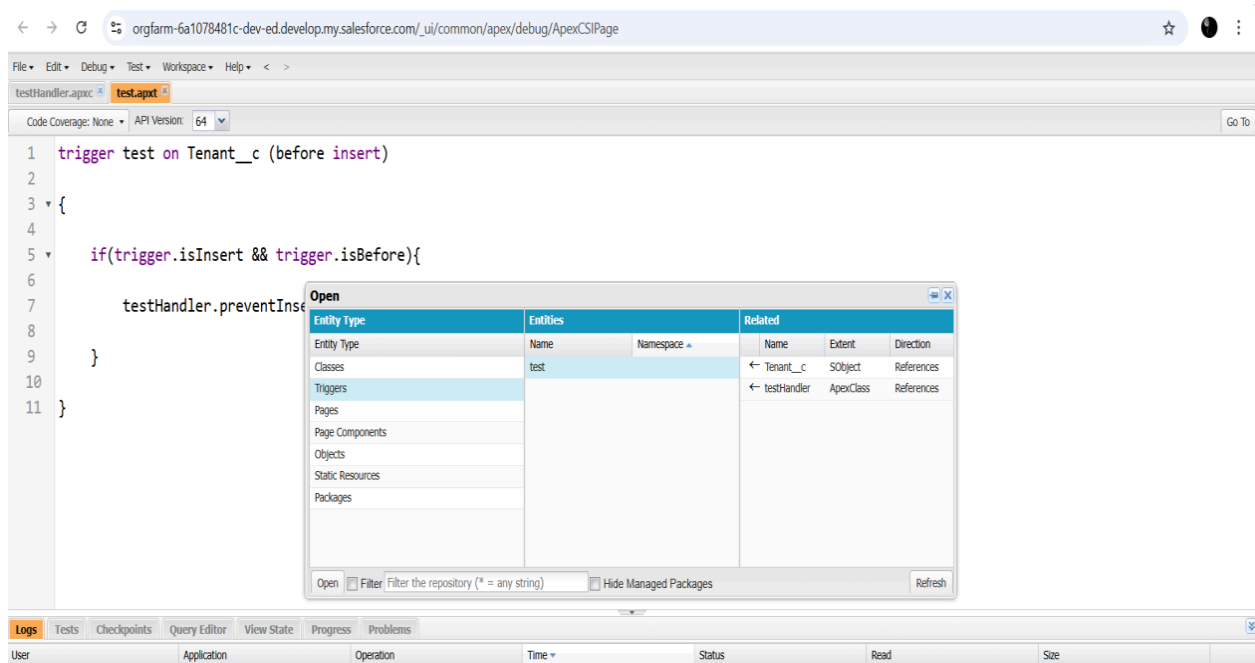
Edit Remove

#### Approval Steps

Action	Step Number	Name	Description	Criteria	Assigned Approver	Default Behavior
--------	-------------	------	-------------	----------	-------------------	------------------

- Apex Trigger

## Create an Apex Trigger



The screenshot shows the Salesforce IDE interface. The code editor displays the following Apex trigger code:

```
1 trigger test on Tenant__c (before insert)
2
3 {
4
5     if(trigger.isInsert && trigger.isBefore){
6
7         testHandler.preventInsert(trigger.new);
8     }
9 }
10
11 }
```

An 'Open' dialog box is open, showing the 'Entities' tab. The dialog box contains a table with the following data:

Entity Type	Entities	Related
Entity Type	Name	Namespace
Classes	test	← Tenant__c SOObject References
Triggers		← testHandler ApexClass References
Pages		
Page Components		
Objects		
Static Resources		
Packages		

The dialog box also includes a 'Filter' input field and a 'Refresh' button.



The screenshot shows the Salesforce IDE interface. The code editor displays the following Apex trigger code:

```
1 trigger test on Tenant__c (before insert)
2
3 {
4
5     if(trigger.isInsert && trigger.isBefore){
6
7         testHandler.preventInsert(trigger.new);
8     }
9 }
10
11 }
```

The dialog box is no longer open. The 'Logs' tab is selected at the bottom of the IDE.

## Create an Apex Handler class

orgfarm-6a1078481c-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help

testHandler.apxc test.apxt

Code Coverage: None API Version: 64 Go To

```
1 public class testHandler {
2
3   public static void preventInsert(List<Tenant__c> newList) {
4
5     Set<Id> existingPropertyIds = new Set<Id>();
6
7     for (Tenant__c existing
8
9     existingPropertyIds
10
11   }
12
13
14   for (Tenant__c newTenant
15
16
17
18   if (newTenant.Property
```

Open

Entity Type	Entities	Related
	Name Namespace	Name Extent Direction
Classes	testHandler	test ApexTrigger Referenced ...
Triggers	MonthlyEmailScheduler	property CustomField References
Pages		Tenant__c SObject References
Page Components		Tenant__c SObject References
Objects		
Static Resources		
Packages		

Open Filter Filter the repository (\* = any string) Hide Managed Packages Refresh

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
------	-------------	-----------	------	--------	------	------

orgfarm-6a1078481c-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help

testHandler.apxc test.apxt

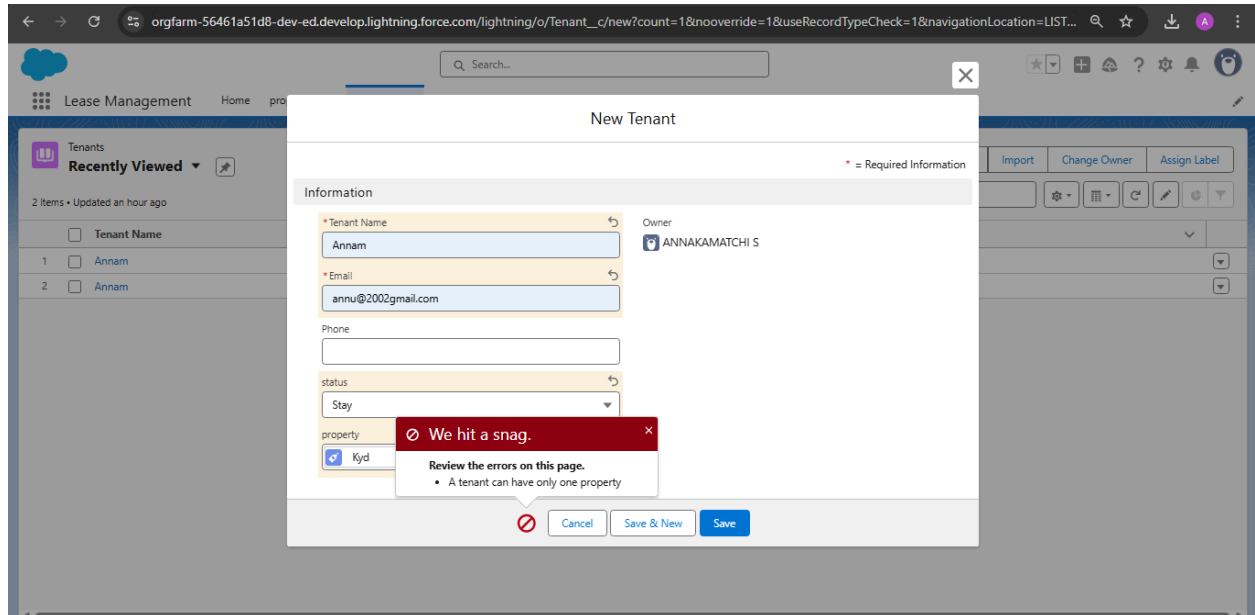
Code Coverage: None API Version: 64 Go To

```
1 public class testHandler {
2
3   public static void preventInsert(List<Tenant__c> newList) {
4
5     Set<Id> existingPropertyIds = new Set<Id>();
6
7     for (Tenant__c existingTenant : [SELECT Id, Property__c FROM Tenant__c WHERE Property__c != null]) {
8
9     existingPropertyIds.add(existingTenant.Property__c);
10
11   }
12
13
14   for (Tenant__c newTenant : newList) {
15
16
17
18   if (newTenant.Property__c != null && existingPropertyIds.contains(newTenant.Property__c)) {
```

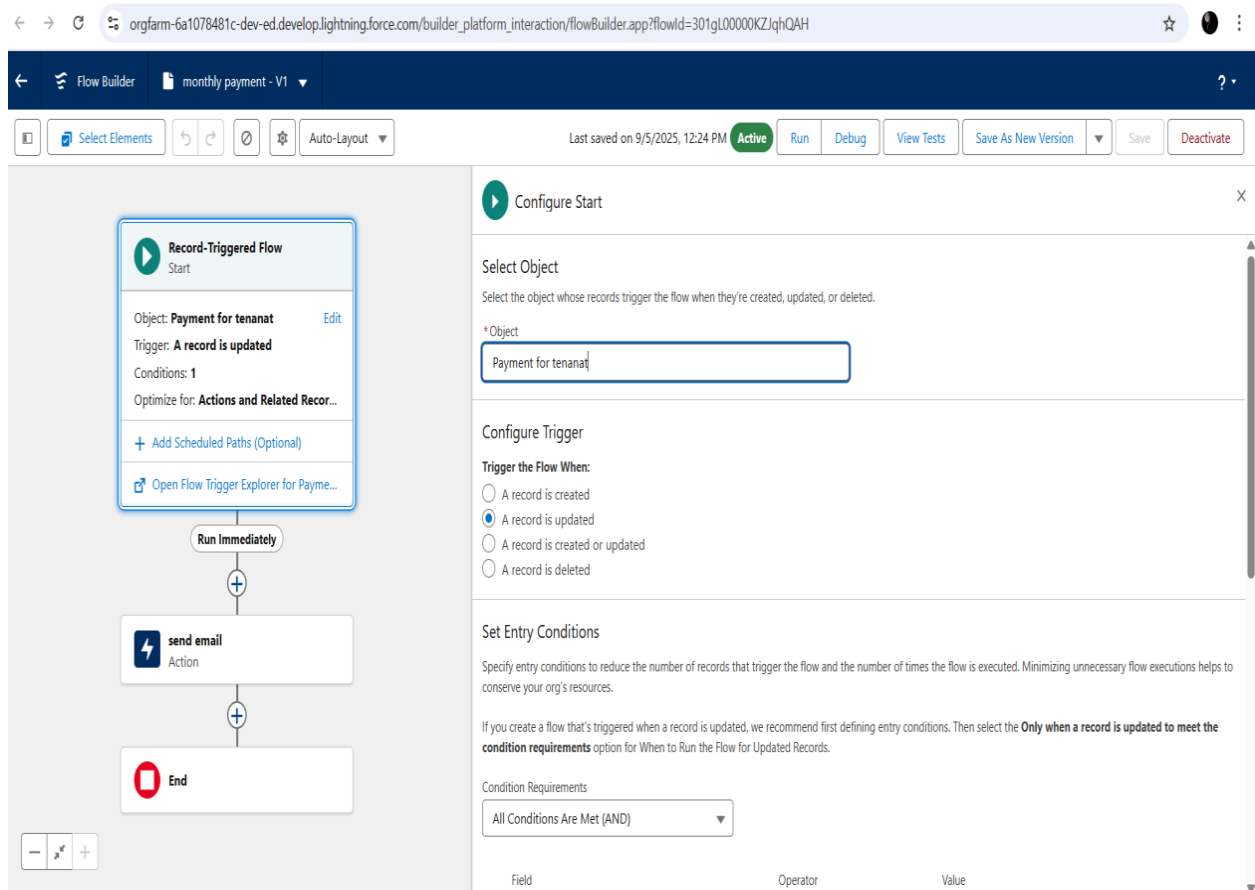
Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
------	-------------	-----------	------	--------	------	------

- Added Apex trigger to restrict multiple tenants per property



- FLows





orgfarm-6a1078481c-dev-ed.develop.lightning.force.com/builder\_platform\_interaction/flowBuilder.app?flowId=301gL00000KZJqhQAH

Flow Builder | monthly payment - V1 | Last saved on 9/5/2025, 12:24 PM | Active | Run | Debug | View Tests | Save As New Version | Save | Deactivate

**Record-Triggered Flow**  
Start  
Object: **Payment for tenant** [Edit](#)  
Trigger: **A record is updated**  
Conditions: 1  
Optimize for: **Actions and Related Records**  
[+ Add Scheduled Paths \(Optional\)](#)  
[Open Flow Trigger Explorer for Payme...](#)

Run Immediately

**send email**  
Action

End

**Configure Start**

Field: **check for payment** | Operator: **Equals** | Value: **Ag Paid**

[+ Add Condition](#)

**When to Run the Flow for Updated Records**

☒ Every time a record is updated and meets the condition requirements  
☐ Only when a record is updated to meet the condition requirements

**Optimize Flow**  
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.

Is this flow making an external callout or connecting to an external system?  
An asynchronous path is required for flows that involve external systems.  
Add Asynchronous Path ☐

- Implemented Flows for monthly rent and payment success

orgfarm-6a1078481c-dev-ed.develop.lightning.force.com/builder\_platform\_interaction/flowBuilder.app?flowId=301gL00000KZJqhQAH

Flow Builder | monthly payment - V1 | Last saved on 9/5/2025, 12:24 PM | Active | Run | Debug | View Tests | Save As New Version | Save | Deactivate

**Record-Triggered Flow**  
Start  
Object: **Payment for tenant** [Edit](#)  
Trigger: **A record is updated**  
Conditions: 1  
Optimize for: **Actions and Related Records**  
[+ Add Scheduled Paths \(Optional\)](#)  
[Open Flow Trigger Explorer for Payme...](#)

Run Immediately

**send email**  
Action

End

- Schedule class:

Create an Apex Class

orgfarm-6a1078481c-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File Edit Debug Test Workspace Help

testHandler.apxc test.apxt MonthlyEmailScheduler.apxc

Code Coverage: None API Version: 64 Go To

1 global class MonthlyEmailScheduler implements Schedulable {  
2  
3 global void execute(SchedulableContext sc) {  
4  
5 Integer currentDay = Date.today().day();  
6  
7 if (currentDay == 1) {  
8  
9 sendMonthlyEmails(  
10  
11 }  
12  
13 }  
14  
15  
16 public static void sendMont  
17  
18

Open

Entity Type	Entities	Related			
Entity Type	Name	Namespace	Name	Extent	Direction
Classes	testHandler			CronTrigger	Referenced ...
Triggers	MonthlyEmailScheduler		Email	CustomFiel...	References
Pages			← Tenant_c	SObject	References
Page Components			← Tenant_c	SObject	References
Objects					
Static Resources					
Packages					

Open Filter Filter the repository (\* = any string) Hide Managed Packages Refresh

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Vaitheswari S	Browser	/aura	9/6/2025, 1:48:48 PM	Success	Unread	312 bytes
Vaitheswari S	Browser	/aura	9/6/2025, 1:46:04 PM	Success	Unread	6.64 KB
Vaitheswari S	Browser	/aura	9/6/2025, 1:45:22 PM	Success	Unread	6.64 KB

Click here to filter the log list

orgfarm-6a1078481c-dev-ed.develop.my.salesforce.com/\_ui/common/apex/debug/ApexCSIPage

File • Edit • Debug • Test • Workspace • Help • < >

testHandler.apxc test.apxt MonthlyEmailScheduler.apxc

Code Coverage: None API Version: 64 Go To

```
1 global class MonthlyEmailScheduler implements Schedulable {
2
3     global void execute(SchedulableContext sc) {
4
5         Integer currentDay = Date.today().day();
6
7         if (currentDay == 1) {
8
9             sendMonthlyEmails();
10
11         }
12
13     }
14
15
16     public static void sendMonthlyEmails() {
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
Vaitheswari S	Browser	/aura	9/6/2025, 1:48:48 PM	Success	Unread	312 bytes
Vaitheswari S	Browser	/aura	9/6/2025, 1:46:04 PM	Success	Unread	6.64 KB
Vaitheswari S	Browser	/aura	9/6/2025, 1:45:22 PM	Success	Unread	6.64 KB

## Schedule Apex classes

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/setup/ApexClasses/page?address=%2F01pgK0000058lmr

Search Setup

Setup Home Object Manager

apex

Email

- Apex Exception Email

Custom Code

- Apex Classes
- Apex Settings
- Apex Test Execution
- Apex Test History
- Apex Triggers

Environments

- Jobs
- Apex Flex Queue
- Apex Jobs

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

### Apex Classes

#### MonthlyEmailScheduler

Apex Class Detail

Edit Delete Download Security Show Dependencies

Name	MonthlyEmailScheduler	Status	Active
Namespace Prefix		Code Coverage	0% (0/15)
Created By	ANNAKAMATCHI S	Last Modified By	ANNAKAMATCHI S
	9/3/2025, 11:58 PM		9/3/2025, 11:59 PM

Class Body Class Summary Version Settings Trace Flags

```
1 global class MonthlyEmailScheduler implements Schedulable {
2
3     global void execute(SchedulableContext sc) {
4
5         Integer currentDay = Date.today().day();
6
7         if (currentDay == 1) {
8
9             sendMonthlyEmails();
10
11         }
12
13     }
14
15
16     public static void sendMonthlyEmails() {
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
```

← → ↺

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/r/Tenant\_c/a01gK00000ImXQjQAN/view

🔍 ☆ ⬇️ 👤 ⋮

☁️

Lease Management

Home

property

Tenants

Payment

lease

Tenant

Annam

New Contact

Edit

New Opportunity

Related

Details

Tenant Name

Annam

Owner

ANNAKAMATCHI S

Email

sannu@2006.com

Phone

status

Stay

property

Kyd

Created By

ANNAKAMATCHI S, 9/2/2025, 9:14 PM

Last Modified By

ANNAKAMATCHI S, 9/2/2025, 9:14 PM

Activity

Filters: All time • All activities • All types

Refresh • Expand All • View All

Upcoming & Overdue

No activities to show.

Get started by sending an email, scheduling a task, and more.

No past activity. Past meetings and tasks marked as done show up here.

← → ↺

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/r/Tenant\_c/a01gK00000ImXQjQAN/view

🔍 ☆ ⬇️ 👤 ⋮

☁️

Lease Management

Home

property

Tenants

Payment

lease

Tenant

Annam

Tenant was submitted for approval.

New Contact

Edit

New Opportunity

Related

Details

Tenant Name

Annam

Owner

ANNAKAMATCHI S

Email

sannu@2006.com

Phone

status

Stay

property

Kyd

Created By

ANNAKAMATCHI S, 9/2/2025, 9:14 PM

Last Modified By

ANNAKAMATCHI S, 9/2/2025, 9:14 PM

Activity

Filters: All time • All activities • All types

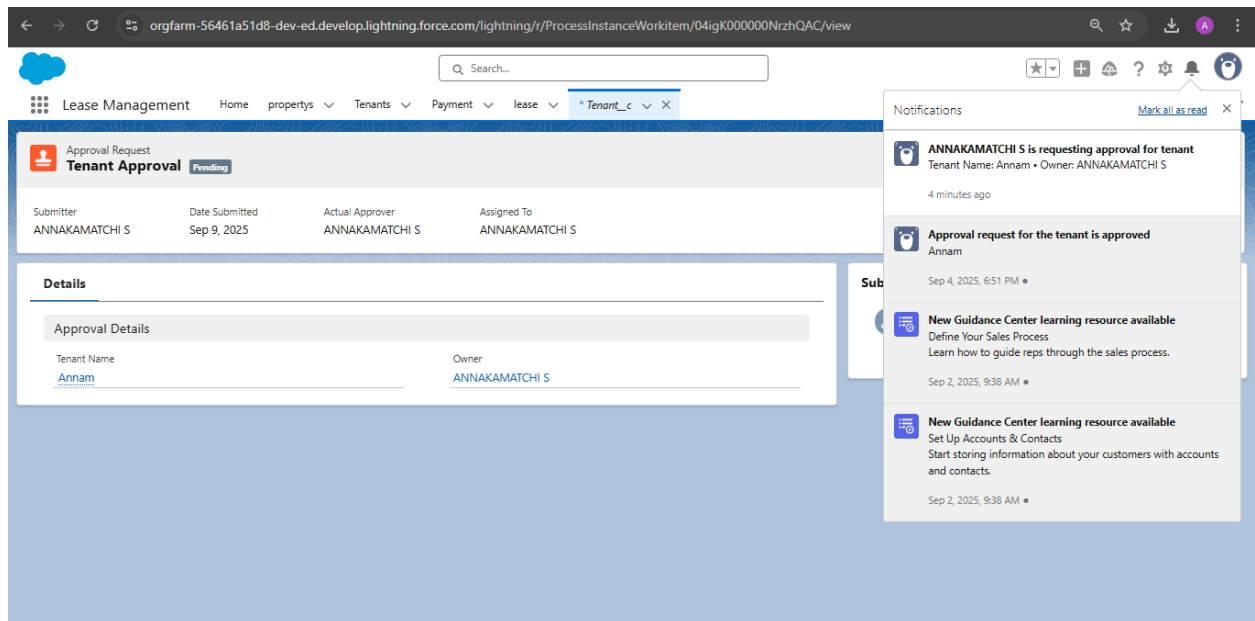
Refresh • Expand All • View All

Upcoming & Overdue

No activities to show.

Get started by sending an email, scheduling a task, and more.

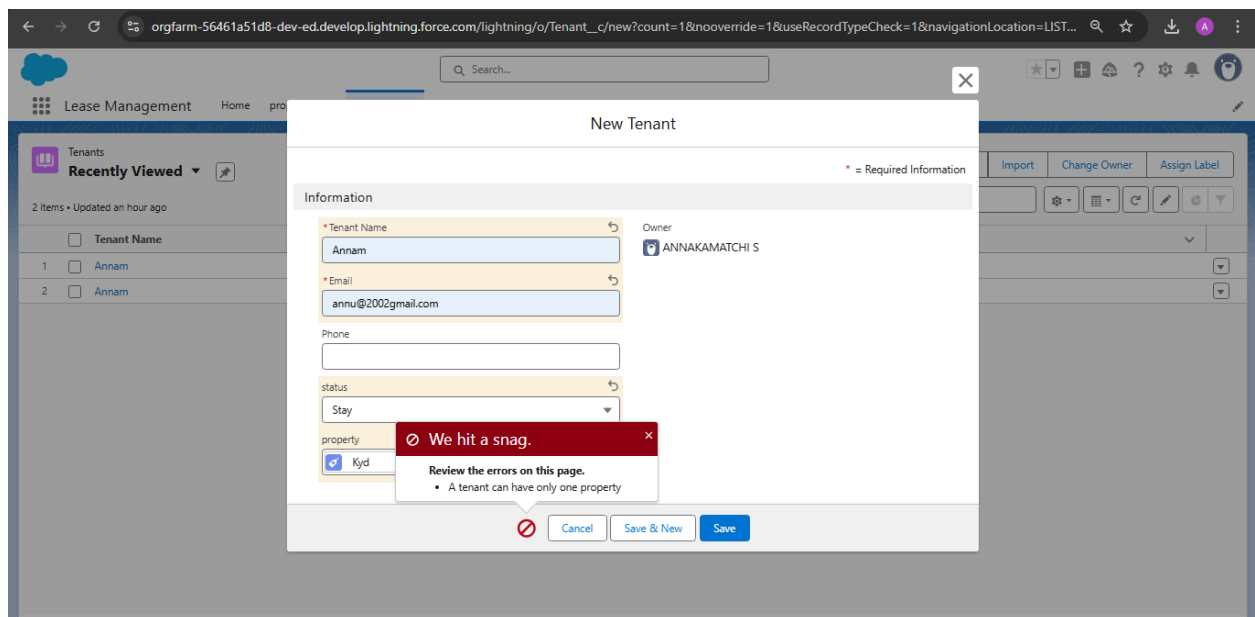
No past activity. Past meetings and tasks marked as done show up here.



# FUNCTIONAL AND PERFORMANCE TESTING

## Performance Testing

- Trigger validation by entering duplicate tenant-p roperty records



- Validation Rule checking


orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/o/lease\_c/new?count=2&nooverride=1&useRecordTypeCheck=1&navigationLocation=LIST\_VIEW...


Lease Management Home property's Tenants Payment lease \* Tenant\_c


### New lease



\* = Required Information

**Information**

\* lease Name  Owner  ANNAKAMATCHI S

start date    
Your End date must be greater than start date

End date  

property   Kjd

**We hit a snag.**

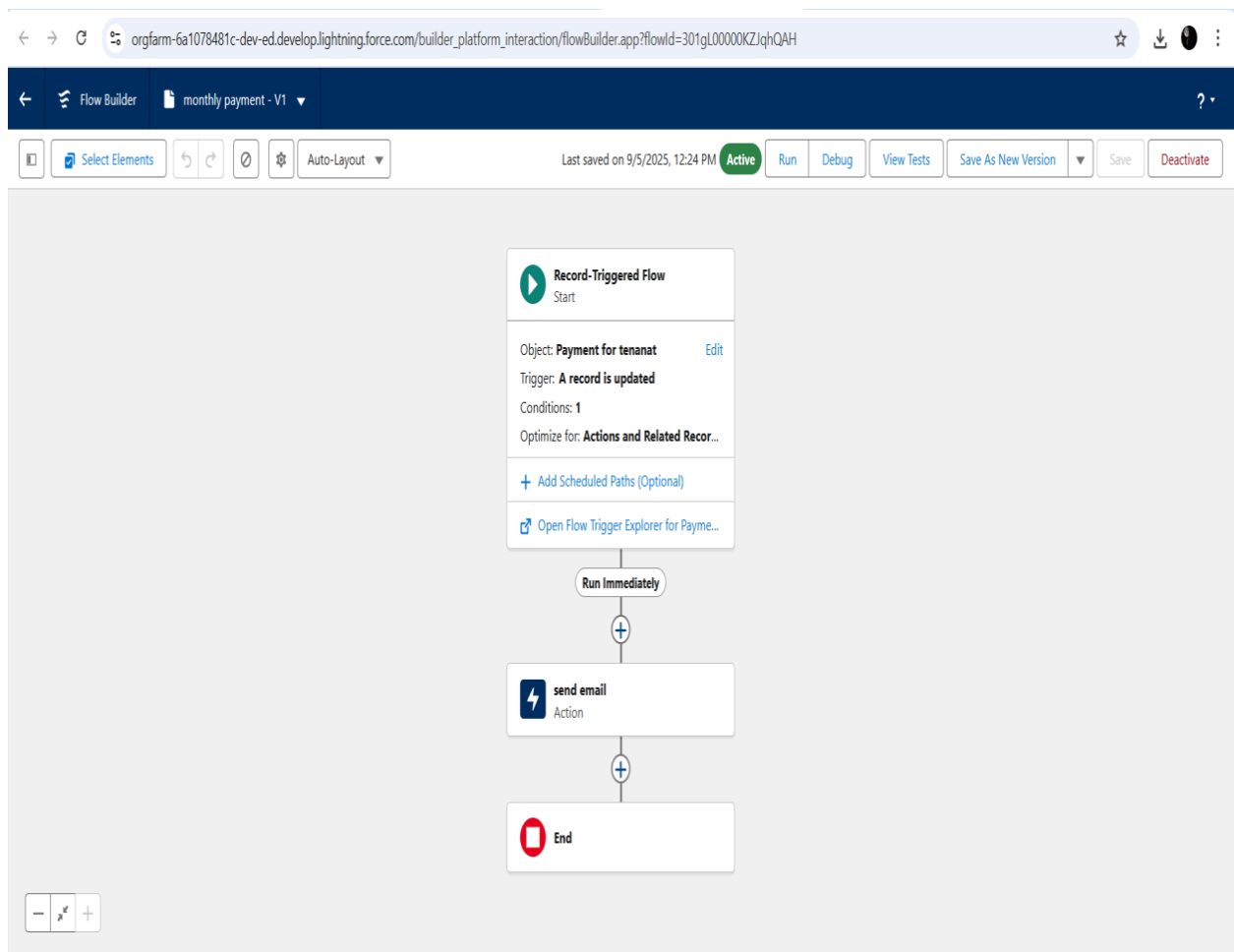
Review the following fields

- start date

Nothing to see here

There's nothing in your list yet. Try adding a new record.

## ● Test flows on payment update



- Approval process validated through email alerts and status updates

The screenshot displays a Salesforce Lightning interface for a tenant record. The top navigation bar includes a search bar and a navigation menu with options like 'Lease Management', 'Home', 'property', 'Tenants', 'Payment', 'lease', and 'Tenant\_c'. The main content area shows the 'Details' tab for a tenant named 'Annam'. The details include fields for 'Tenant Name', 'Email', 'Phone', 'status', 'property', 'Created By', and 'Last Modified By'. A notifications panel on the right shows three notifications: 'ANNAKAMATCHI S is requesting approval for tenant', 'Approval request for the tenant is approved', and 'New Guidance Center learning resource available'.

## RESULTS

### Output Screenshots

- Tabs for Property, Tenant, Lease, Payment

The screenshot displays a Salesforce Lightning interface for the 'Custom Tabs' setup page. The top navigation bar includes a search bar and a navigation menu with options like 'Setup', 'Home', 'Object Manager', and 'Custom Tabs/home'. The main content area shows the 'Custom Tabs' section with a table of custom object tabs. The table has columns for 'Action', 'Label', 'Tab Style', and 'Description'. The tabs listed are 'lease', 'Payment', 'property', and 'Tenants'. Below the table, there are sections for 'Web Tabs' and 'Visualforce Tabs', both of which are currently empty.

- Email alerts

orgfarm-56461a51d8-dev-ed.develop.lightning.force.com/lightning/r/ProcessInstanceStep/04hgK000000KfyHQAS/view

Lease Management Home property's Tenants Payment lease \*Tenant\_c

Process Instance Step  
**Tenant Approval** Approved

Submitter	Date Submitted	Actual Approver	Assigned To
ANNAKAMATCHI S	Sep 9, 2025	ANNAKAMATCHI S	ANNAKAMATCHI S

**Details**

Approval Details

Tenant Name	Owner
<a href="#">Annam</a>	<a href="#">ANNAKAMATCHI S</a>

Notifications

- Approval request for the tenant is approved**  
Annam  
a few seconds ago
- ANNAKAMATCHI S is requesting approval for tenant**  
Tenant Name: Annam • Owner: ANNAKAMATCHI S  
an hour ago
- Approval request for the tenant is approved**  
an hour ago
- Approval request for the tenant is approved**  
Sep 4, 2025, 6:51 PM
- New Guidance Center learning resource available**  
Define Your Sales Process  
Learn how to guide reps through the sales process.  
Sep 2, 2025, 9:38 AM
- New Guidance Center learning resource available**

- Request for approve the leave

mail.google.com/mail/u/2/?hl=en\_GB#spam/FMfcgzQcpdqnDBSMKTSsWwbXwZXmqJNt

Gmail in:spam

Compose

Inbox 25

Starred

Snoozed

Sent

Drafts

Less

Important

Chats

Scheduled

All Mail

**Spam 1**

Bin

Categories

request for approve the leave Spam x

23:02 (11 minutes ago)

ANNAMATCHI S via 00cwz9b1wvlu.gk-a9ly4uan.can96.bnc.salesforce.com to me

Why is this message in spam? This message is similar to messages that were identified as spam in the past.

[Report as not spam](#)

Dear ANNAMATCHI S,

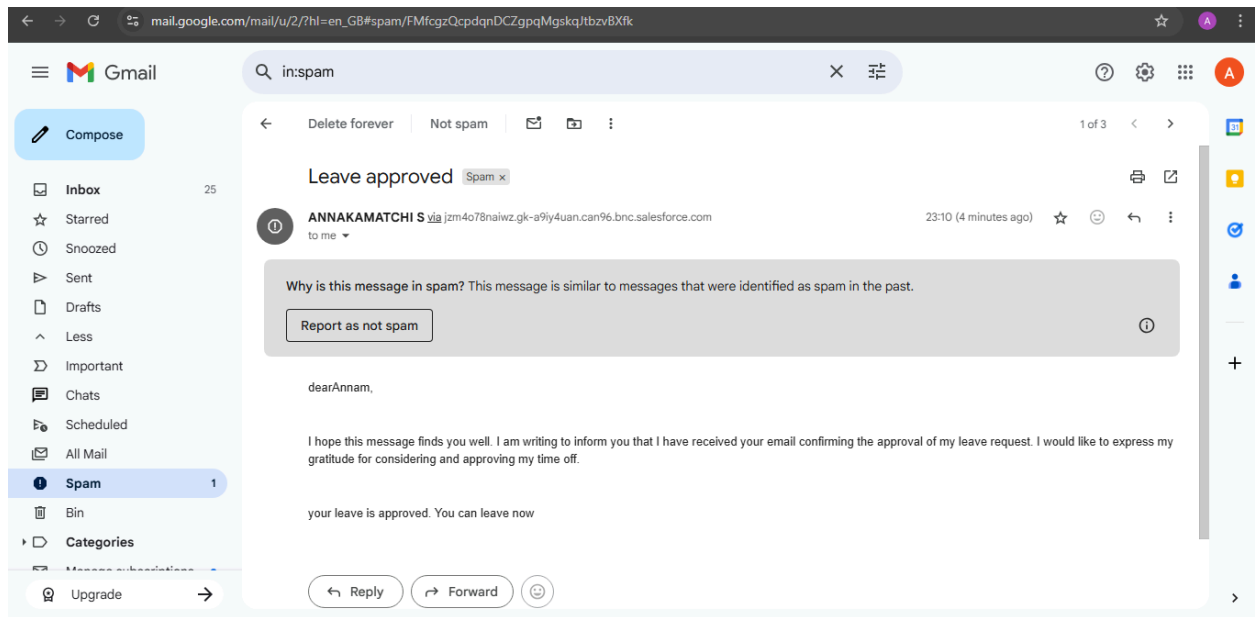
Please approve my leave

[Reply](#) [Forward](#)

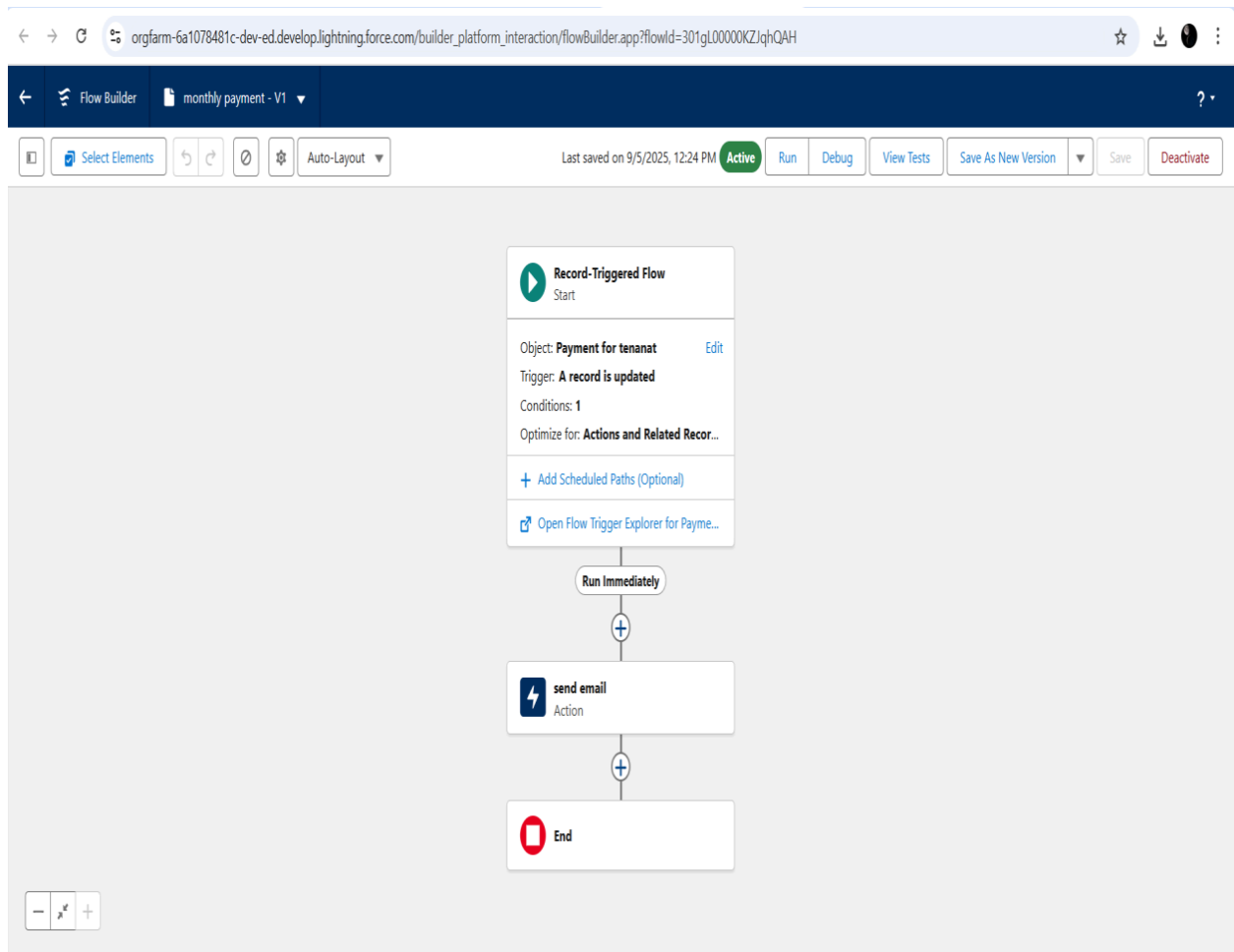
Enable desktop notifications for Gmail. [OK](#) [No, thanks](#) [X](#)

- Leave Approved





- Flow runs



## ● Trigger error messages

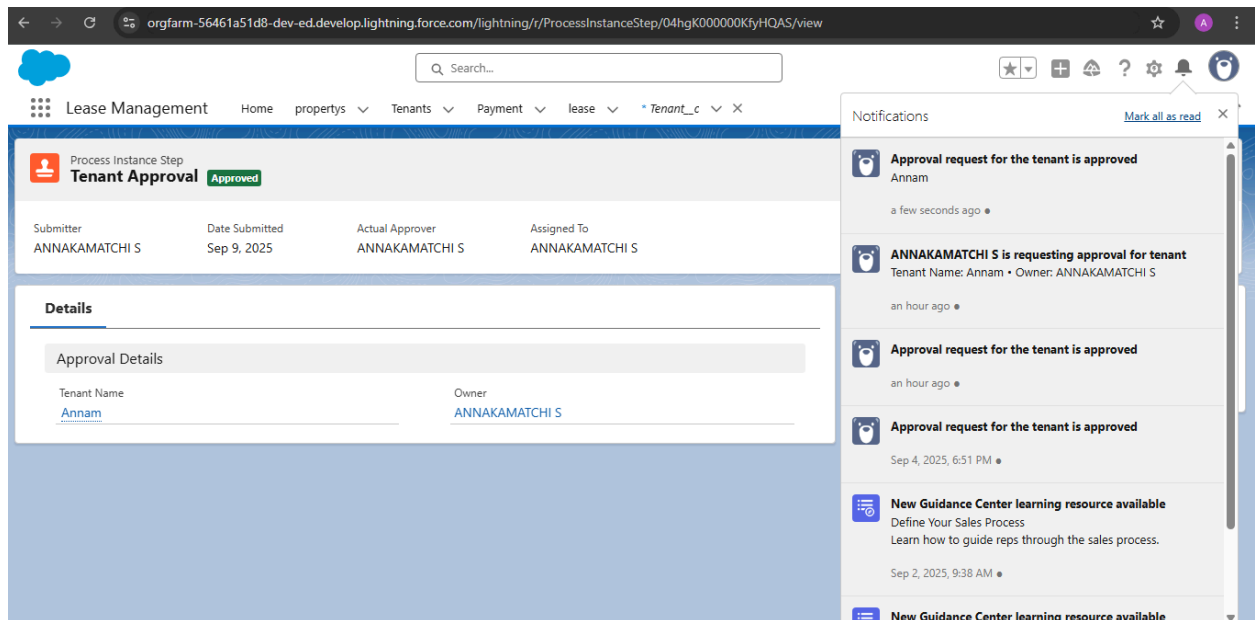
The screenshot shows the 'New lease' form in the Salesforce interface. The form is titled 'New lease' and includes a search bar and a close button. The form fields are organized into sections:

- Information**:
  - lease Name**: A text field with the value 'property'.
  - start date**: A date field with the value '9/3/2025'. It is highlighted with a red border and has an error message: 'Your End date must be greater than start date'.
  - End date**: A date field with the value '9/11/2025'.
  - property**: A dropdown menu with the value 'Kyd'.
  - Owner**: A dropdown menu with the value 'ANNAKAMATCHI S'.

A red error message box is displayed over the form, stating: 'We hit a snag. Review the following fields: start\_date'. The message box has a close button (X) and a red circle with a slash icon. Below the message box are buttons for 'Cancel', 'Save & New', and 'Save'.

At the bottom of the form, it says 'Nothing to see here' and 'There's nothing in your list yet. Try adding a new record.'

- Approval process notifications



## CONCLUSION :

The Lease Management system simplifies and automates all leasing processes, ensuring accuracy, compliance, and transparency. It enhances communication between landlords and tenants while reducing manual effort. With this system, organizations can efficiently track lease agreements, payments, and renewals, leading to better decision-making and improved operational efficiency.

## APPENDIX

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

### Test.apxt :

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

**testHandler.apxc:**

```
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');
            }
        }
    }
}
```

**MonthlyEmailScheduler.apxc:**

```
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});
    }
}
}
```