LEASE MANAGEMENT

College Name: KPR College of Arts Science and Research

College Code: bruaz

TEAM ID: NM2025TMID21359

TEAM MEMBERS:

Team Leader Name: Kaviya Shree V

Email: 23bcs032@kprcas.ac.in

Team Member 1: Keerthana S

Email: 23bcs034@kprcas.ac.in

Team Member 2: Archana T P

Email: 23bcs007@kprcas.ac.in

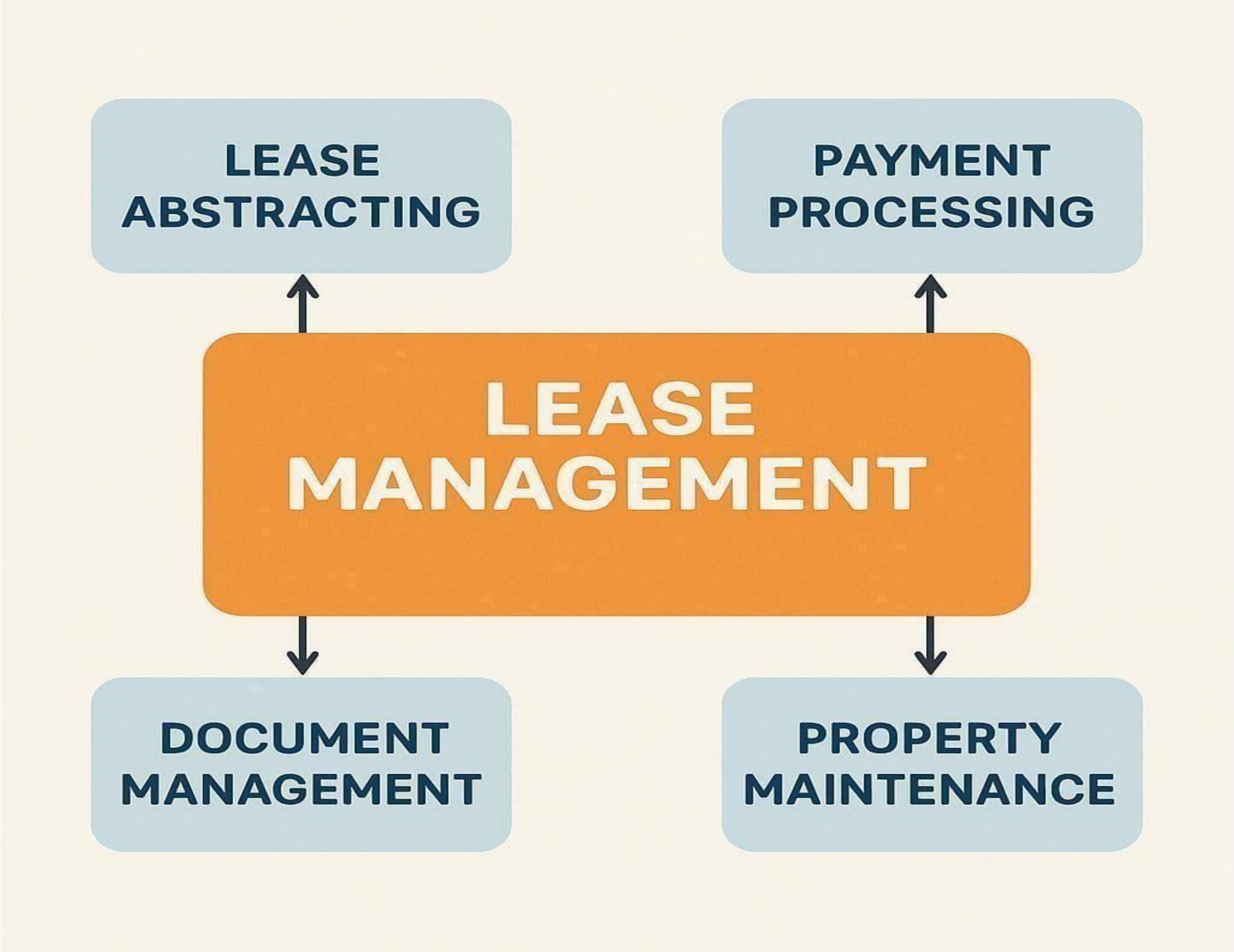
Team Member 3: Dharani Sri P

Email: 23bcs017@kprcas.ac.in

1.INTRODUCTION

1.1 Project Overview

The Lease Management System is a Salesforce-based application designed to streamline the processes associated with leasing real estate properties. It handles tenant management, lease contracts, payments, and communication with automation features such as flows, approval processes, and email alerts.



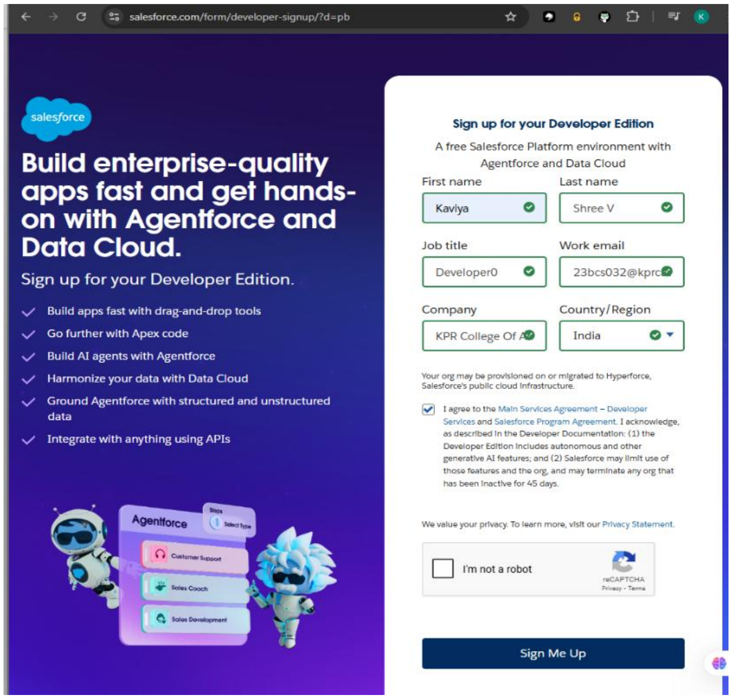
1.2 Purpose

The main objective of the project is to enable organizations to efficiently manage properties, tenants, and lease-related activities. It reduces manual intervention, improves accuracy, and ensures better compliance and communication.

DEVELOPMENT PHASE

Creating Developer Account:

By using this URL - https://www.salesforce.com/form/developer-signup/?d=pb



salesforce.com/form/developer-signup/?d=pb

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

Sign up for your Developer Edition

A free Salesforce Platform environment with Agentforce and Data Cloud

First name: Kaviya ✓

Last name: Shree V ✓

Job title: Developer0 ✓

Work email: 23bcs032@kprc ✓

Company: KPR College Of A ✓

Country/Region: India ✓

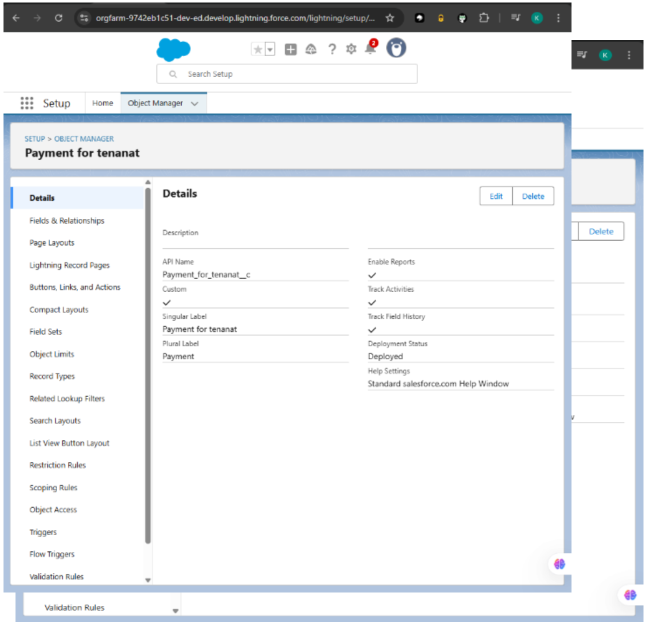
Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

☑ 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.

We value your privacy. To learn more, visit our Privacy Statement.

□ I'm not a robot

- Created objects: Property, Tenant, Lease, Payment



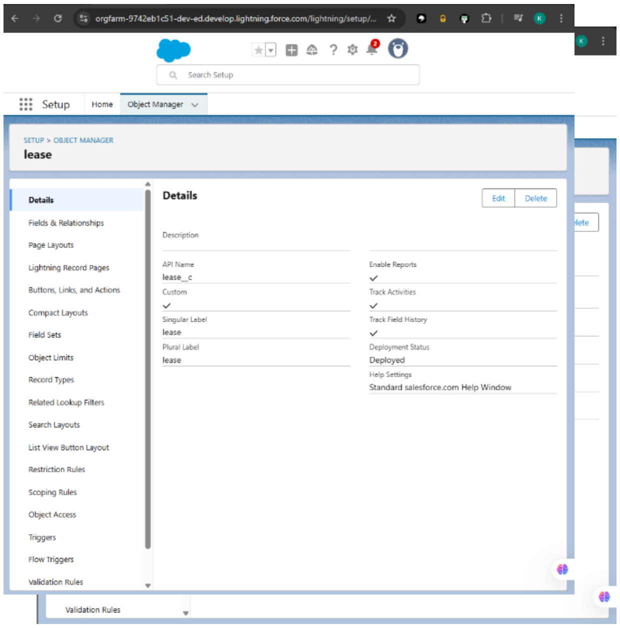
Payment for tenanat

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: Deployed
Help Settings: Standard salesforce.com Help Window



lease

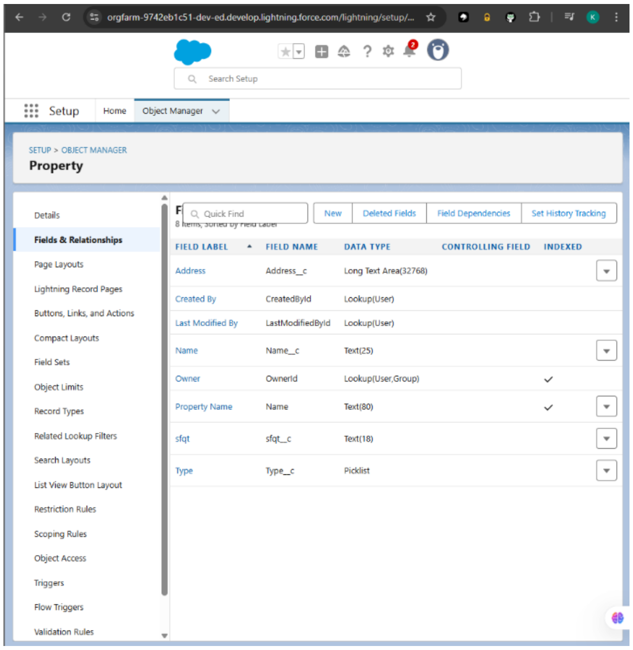
Details

Description

API Name: lease__c
Custom: ✓
Singular Label: lease
Plural Label: lease

Enable Reports: ✓
Track Activities: ✓
Track Field History: ✓
Deployment Status: Deployed
Help Settings: Standard salesforce.com Help Window

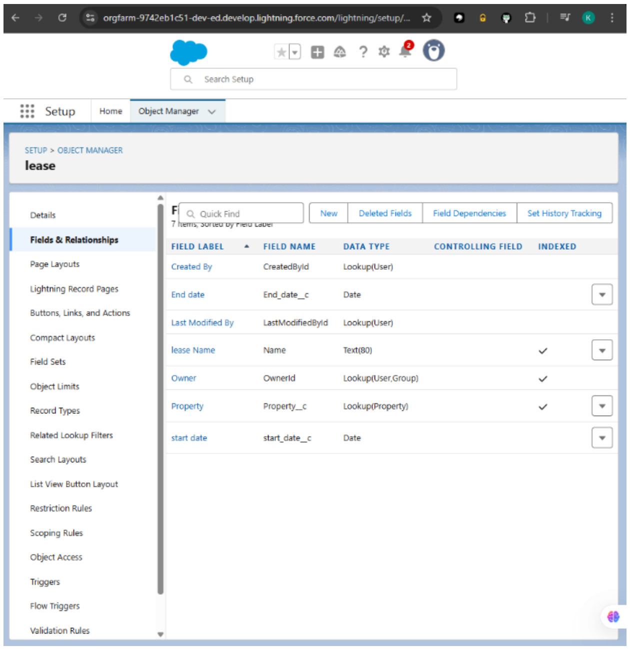
- Configured fields and relationships



Property

8 items, Sorted by Field Label

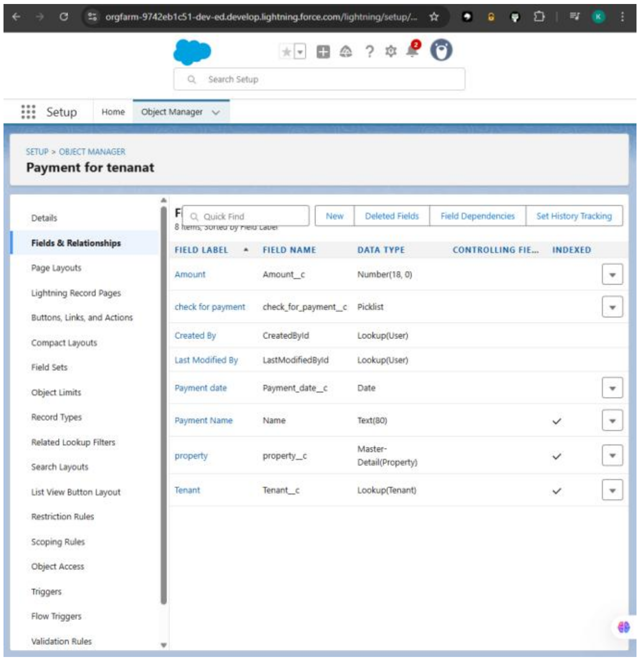
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Long Text Area(32768)		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Name	Name__c	Text(25)		
Owner	OwnerId	Lookup(User,Group)		✓
Property Name	Name	Text(80)		✓
sfqt	sfqt__c	Text(18)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



lease

7 items, Sorted by Field Label

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		

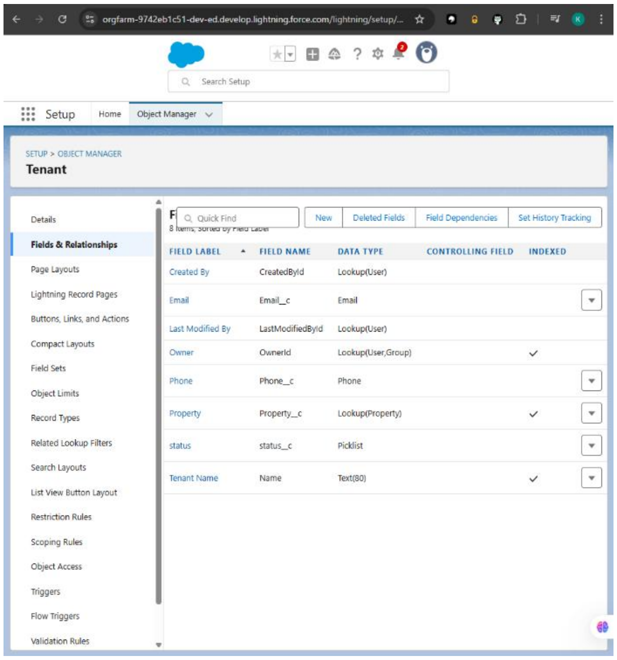


SETUP > OBJECT MANAGER

Payment for tenanat

8 items, Sorted by Field Label

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIE...	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)		
Payment date	Payment_date__c	Date		
Payment Name	Name	Text(80)		✓
property	property__c	Master-Detail(Property)		✓
Tenant	Tenant__c	Lookup(Tenant)		✓



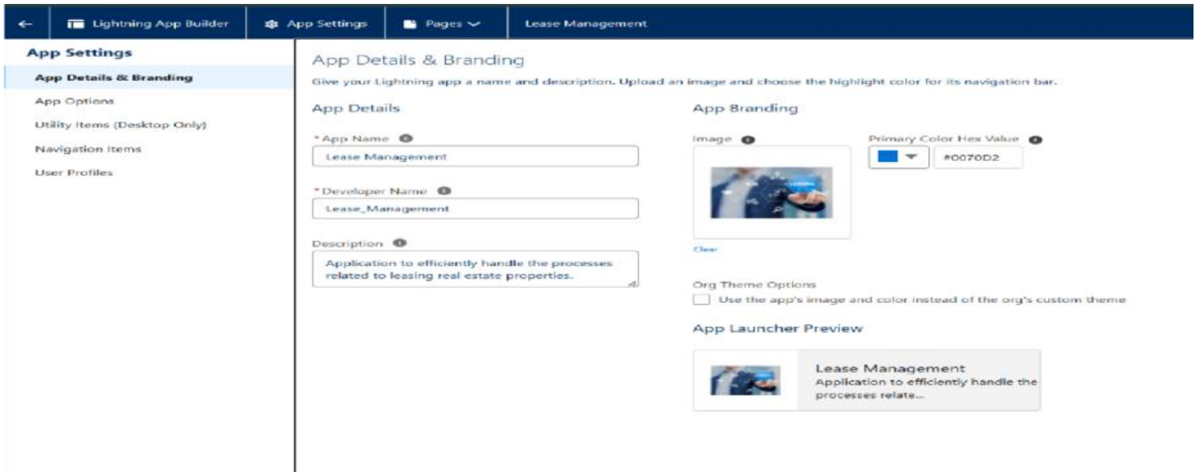
SETUP > OBJECT MANAGER

Tenant

8 items, Sorted by Field Label

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)		✓

- Developed Lightning App with relevant tabs



App Details & Branding

Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.

App Details

* App Name: Lease Management

* Developer Name: Lease_Management

Description: Application to efficiently handle the processes related to leasing real estate properties.

App Branding

Image

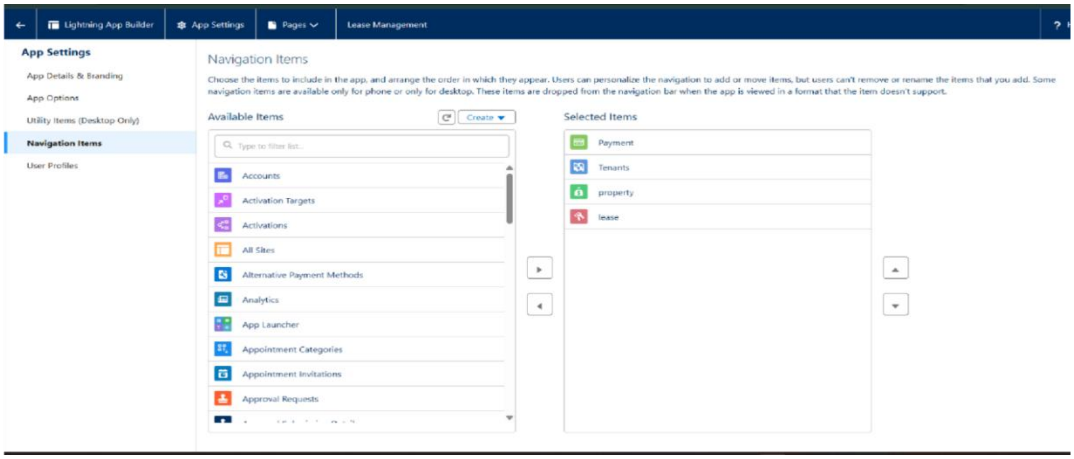
Primary Color Hex Value: #0070D2

Org Theme Options

□ Use the app's image and color instead of the org's custom theme

App Launcher Preview

Lease Management
Application to efficiently handle the processes relate...



Navigation Items

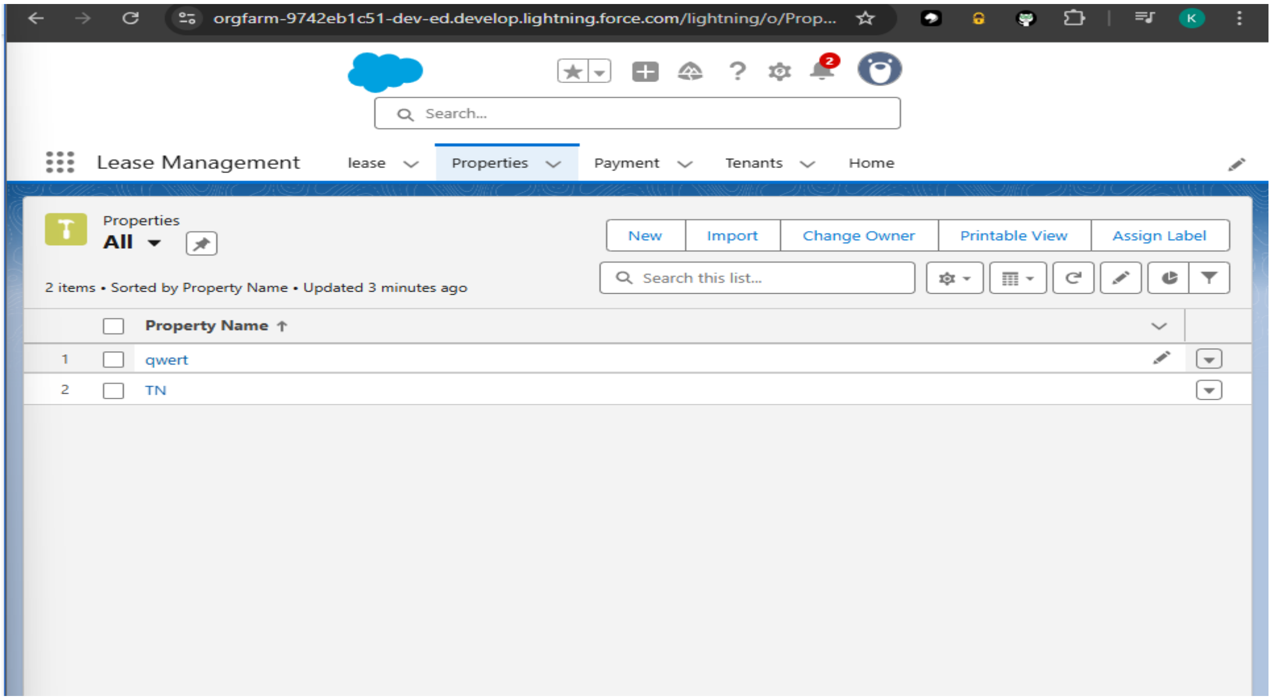
Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.

Available Items

- Accounts
- Activation Targets
- Activations
- All Sites
- Alternative Payment Methods
- Analytics
- App Launcher
- Appointment Categories
- Appointment Invitations
- Approval Requests

Selected Items

- Payment
- Tenants
- property
- lease

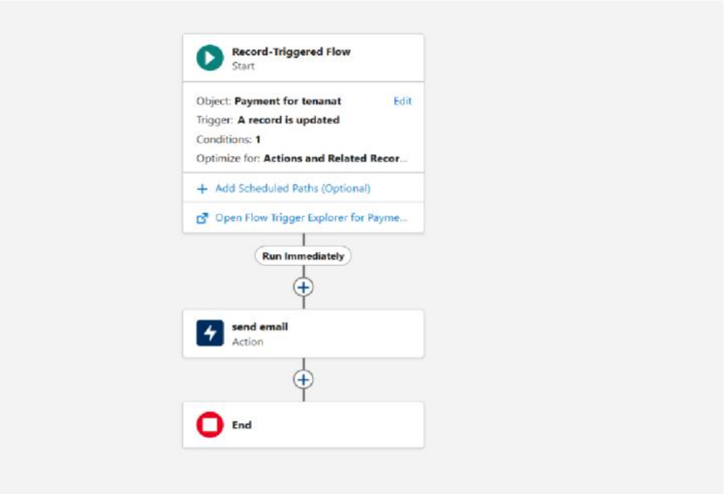


Properties
All

2 items • Sorted by Property Name • Updated 3 minutes ago

	Property Name ↑
1	qwert
2	TN

- Implemented Flows for monthly rent and payment success

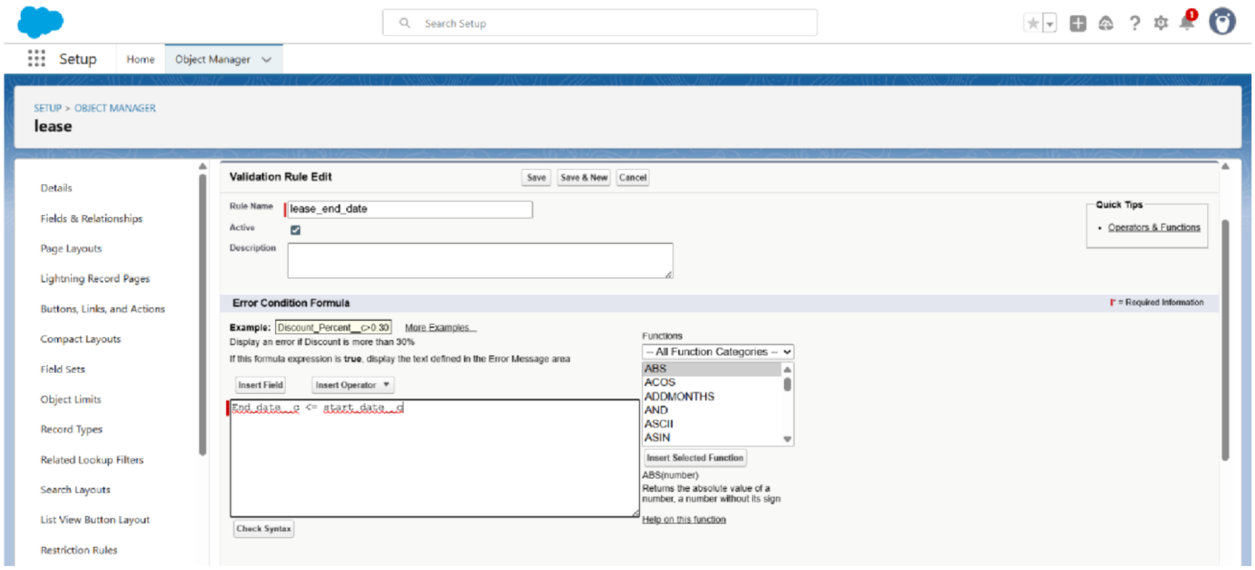


Record-Triggered Flow
Start

Object: **Payment for tenanat**
Trigger: **A record is updated**
Conditions: **1**
Optimize for: **Actions and Related Recor...**

Edit
+ Add Scheduled Paths (Optional)
Open Flow Trigger Explorer for Payme...
Run Immediately
send email
Action
End

- To create a validation rule to a Lease Object



SETUP > OBJECT MANAGER

lease

Validation Rule Edit

Rule Name: lease_end_date

Active: ☑

Description:

Error Condition Formula

| = Required Information

Example: Discount_Percent__c>0.30 More Examples...

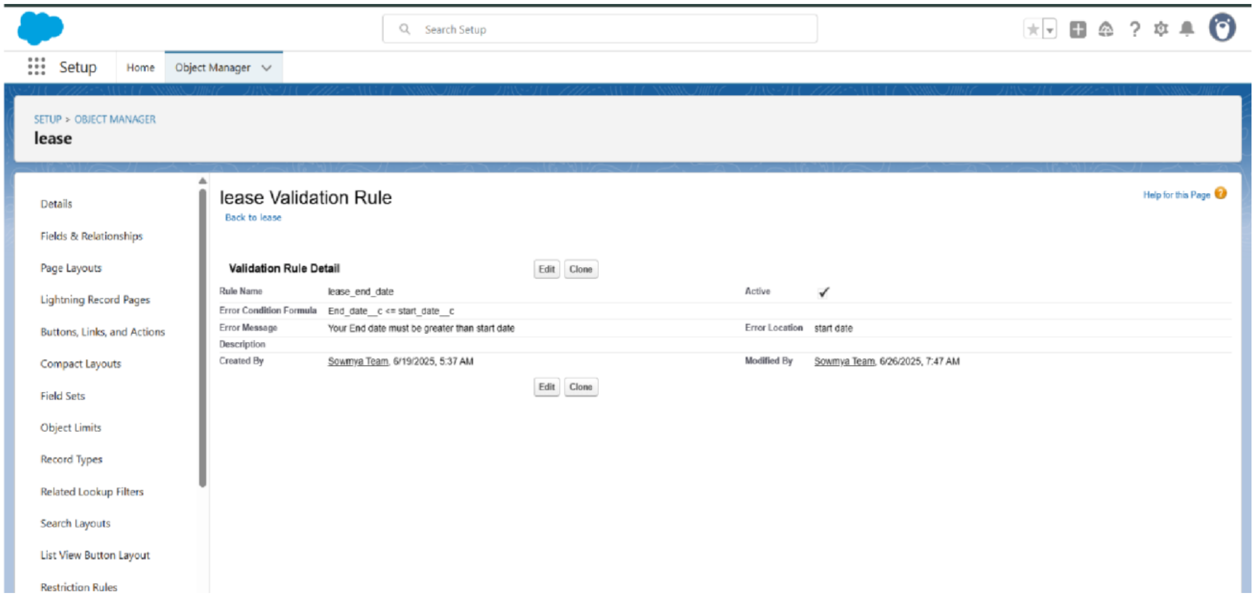
Display an error if Discount is more than 30%

If this formula expression is **true**, display the text defined in the Error Message area

```
End_date__c <= start_date__c
```

ABS(number)

Returns the absolute value of a number, a number without its sign



SETUP > OBJECT MANAGER

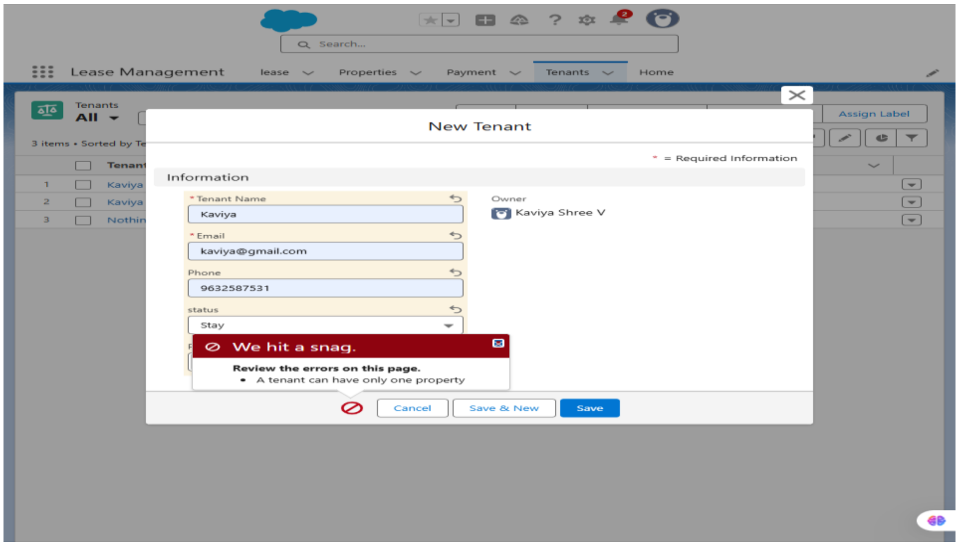
lease

lease Validation Rule

Validation Rule Detail

Rule Name	lease_end_date	Active	✓
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	Sowmya Team, 6/19/2025, 5:37 AM	Modified By	Sowmya Team, 6/26/2025, 7:47 AM

- Added Apex trigger to restrict multiple tenants per property



New Tenant

* = Required Information

Information

* Tenant Name: Kaviya

Owner: Kaviya Shree V

* Email: kaviya@gmail.com

Phone: 9632587531

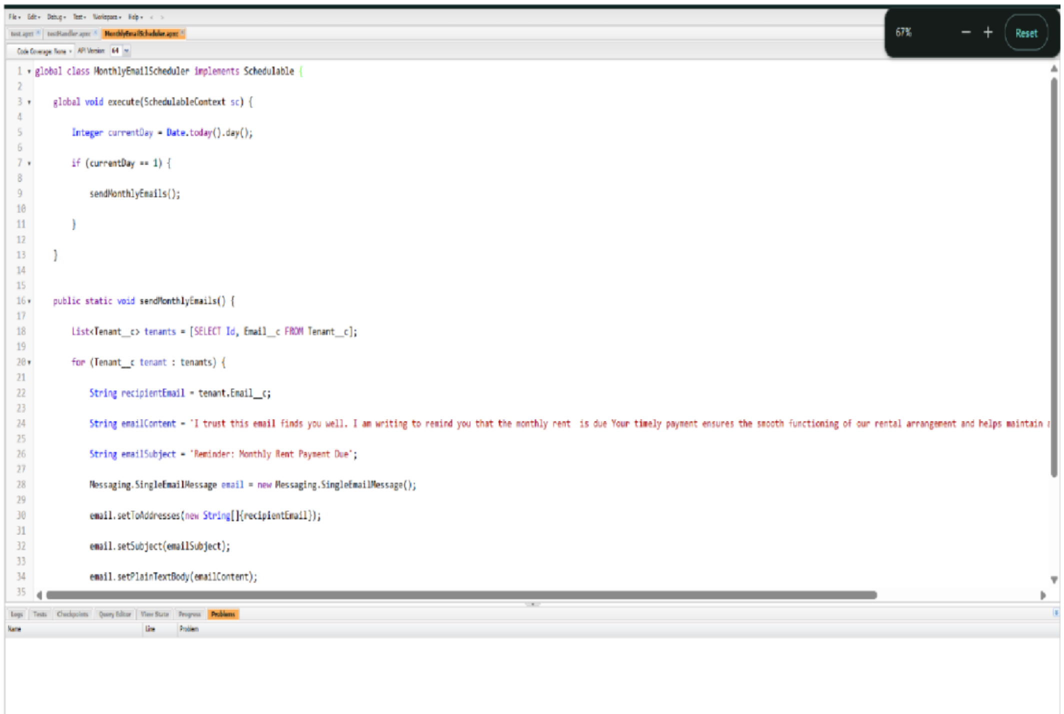
status: Stay

We hit a snag.

Review the errors on this page.

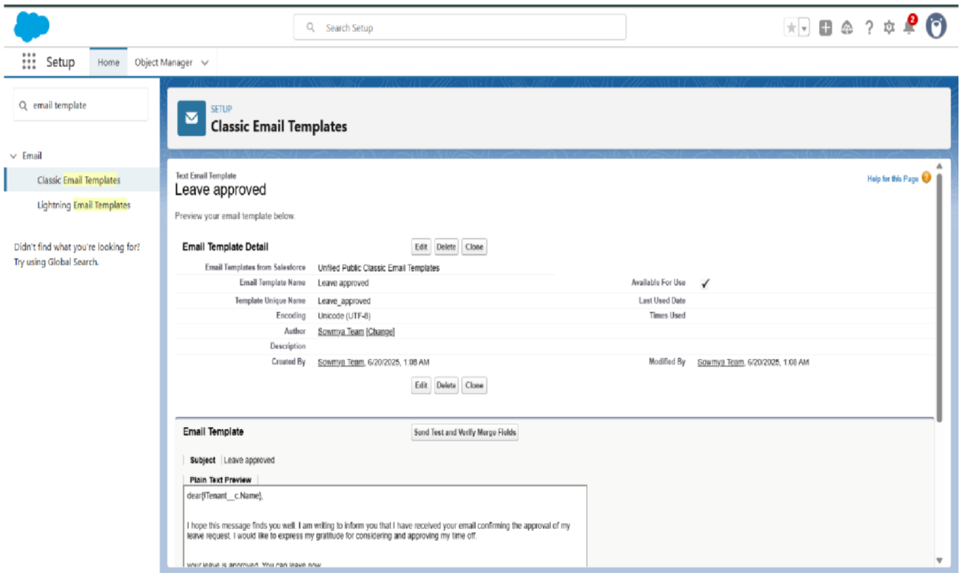
- A tenant can have only one property

- Scheduled monthly reminder emails using Apex class



```
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

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

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

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

            email.setSubject(emailSubject);

            email.setPlainTextBody(emailContent);

```

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



Text Email Template

Leave approved

Preview your email template below.

Email Template Detail

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	Sowmya Team [Change]		
Description			
Created By	Sowmya Team, 6/20/2025, 1:08 AM	Modified By	Sowmya Team, 6/20/2025, 1:08 AM

Email Template

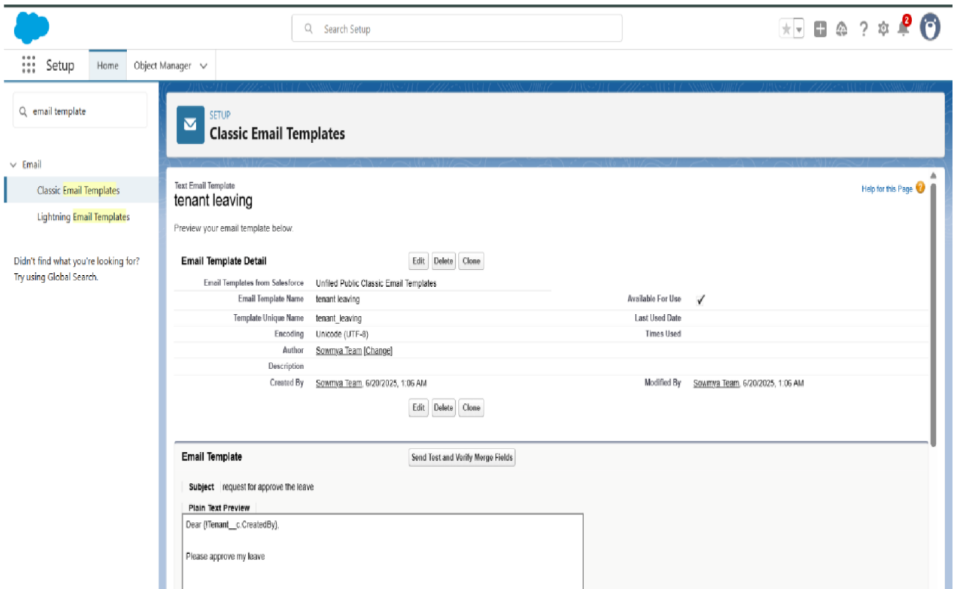
Subject: Leave approved

Plain Text Preview

dear{!Tenant__c.Name},

I hope this message finds you well. I am writing to inform you that I have received your email confirming the approval of my leave request. I would like to express my gratitude for considering and approving my time off.

your leave is approved. You can leave now



Text Email Template

tenant leaving

Preview your email template below.

Email Template Detail

Email Templates from Salesforce	Unfiled Public Classic Email Templates		
Email Template Name	tenant leaving	Available For Use	✓
Template Unique Name	tenant_leaving	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	Sowmya Team [Change]		
Description			
Created By	Sowmya Team, 6/20/2025, 1:06 AM	Modified By	Sowmya Team, 6/20/2025, 1:06 AM

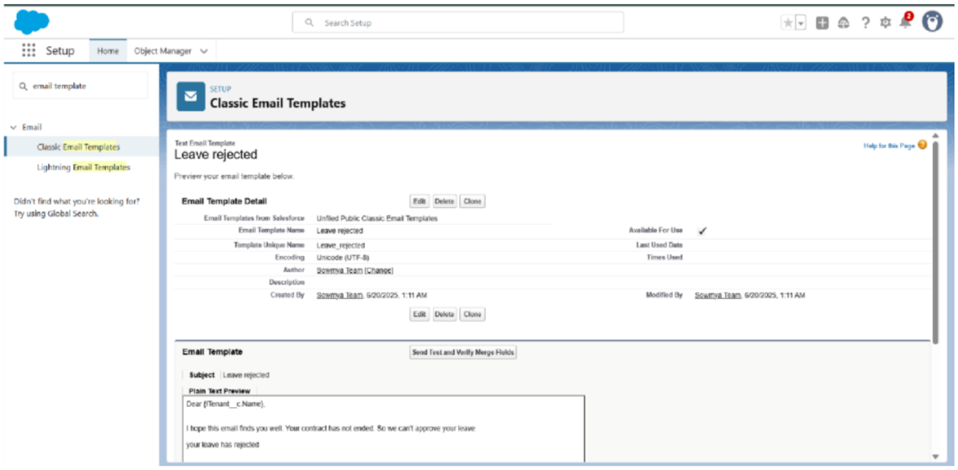
Email Template

Subject: request for approve the leave

Plain Text Preview

Dear {!Tenant__c.CreatedBy},

Please approve my leave



Text Email Template

Leave rejected

Preview your email template below.

Email Template Detail

Email Templates from Salesforce	Unfiled Public Classic Email Templates		
Email Template Name	Leave rejected	Available For Use	✓
Template Unique Name	Leave_rejected	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	Sowmya Team [Change]		
Description			
Created By	Sowmya Team, 6/20/2025, 1:11 AM	Modified By	Sowmya Team, 6/20/2025, 1:11 AM

Email Template

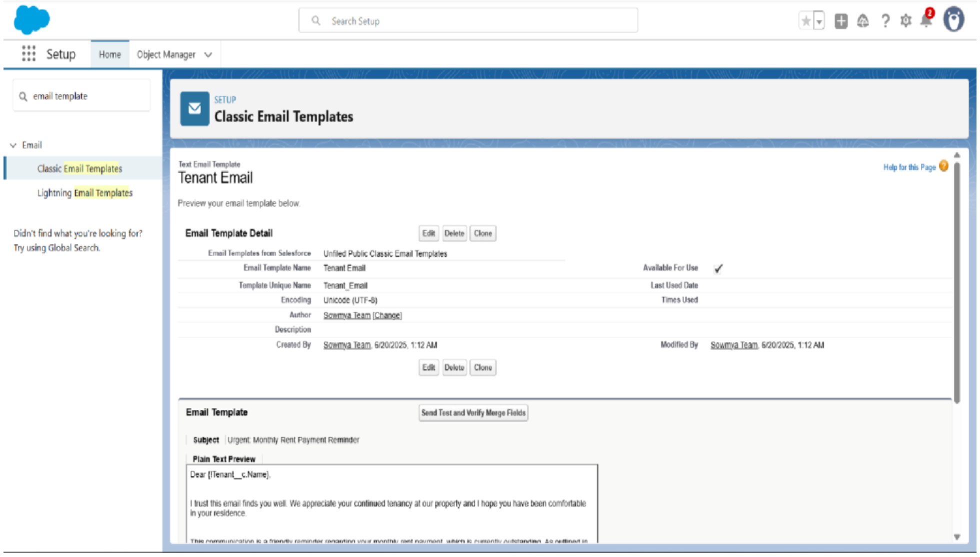
Subject: Leave rejected

Plain Text Preview

Dear {!Tenant__c.Name},

I hope this email finds you well. Your contract has not ended. So we can't approve your leave

your leave has rejected



Text Email Template

Tenant Email

Preview your email template below.

Email Template Detail

Email Templates from Salesforce	Unfiled Public Classic Email Templates		
Email Template Name	Tenant Email	Available For Use	✓
Template Unique Name	Tenant_Email	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	Sowmya Team [Change]		
Description			
Created By	Sowmya Team, 6/20/2025, 1:12 AM	Modified By	Sowmya Team, 6/20/2025, 1:12 AM

Email Template

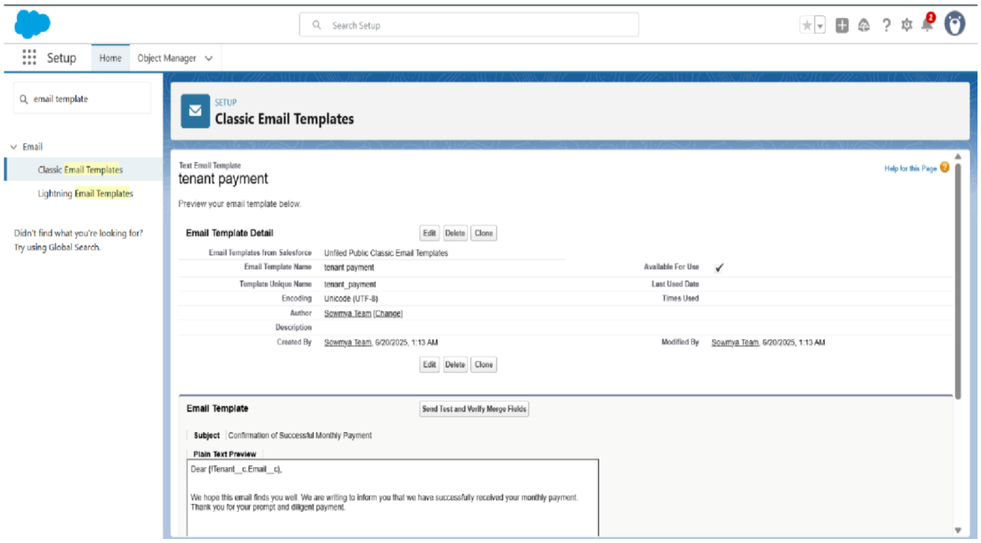
Subject: Urgent: Monthly Rent Payment Reminder

Plain Text Preview

Dear {!Tenant__c.Name},

I trust this email finds you well. We appreciate your continued tenancy at our property and I hope you have been comfortable in your residence.

This communication is a friendly reminder regarding your monthly rent payment, which is currently outstanding. As outlined in



Text Email Template

tenant payment

Preview your email template below.

Email Template Detail

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	Sowmya Team [Change]		
Description			
Created By	Sowmya Team, 6/20/2025, 1:13 AM	Modified By	Sowmya Team, 6/20/2025, 1:13 AM

Email Template

Subject: Confirmation of Successful Monthly Payment

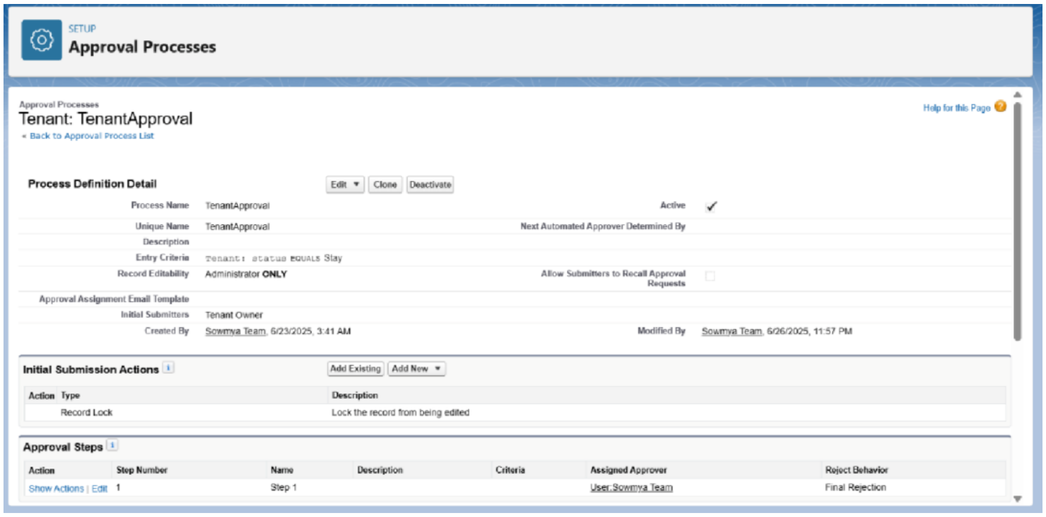
Plain Text Preview

Dear {!Tenant__c.Email__c},

We hope this email finds you well. We are writing to inform you that we have successfully received your monthly payment. Thank you for your prompt and diligent payment.

- Approval Process creation

For Tenant Leaving:



Approval Processes

Tenant: TenantApproval

Process Definition Detail

Process Name	TenantApproval	Active	✓
Unique Name	TenantApproval	Next Automated Approver Determined By	
Description			
Entry Criteria	`Tenant: status EQUALS` Stay		
Record Editability	Administrator **ONLY**	Allow Submitters to Recall Approval Requests	□
Approval Assignment Email Template			
Initial Submitters	Tenant Owner		
Created By	Sowmya Team, 6/23/2025, 3:41 AM	Modified By	Sowmya Team, 6/26/2025, 11:57 PM

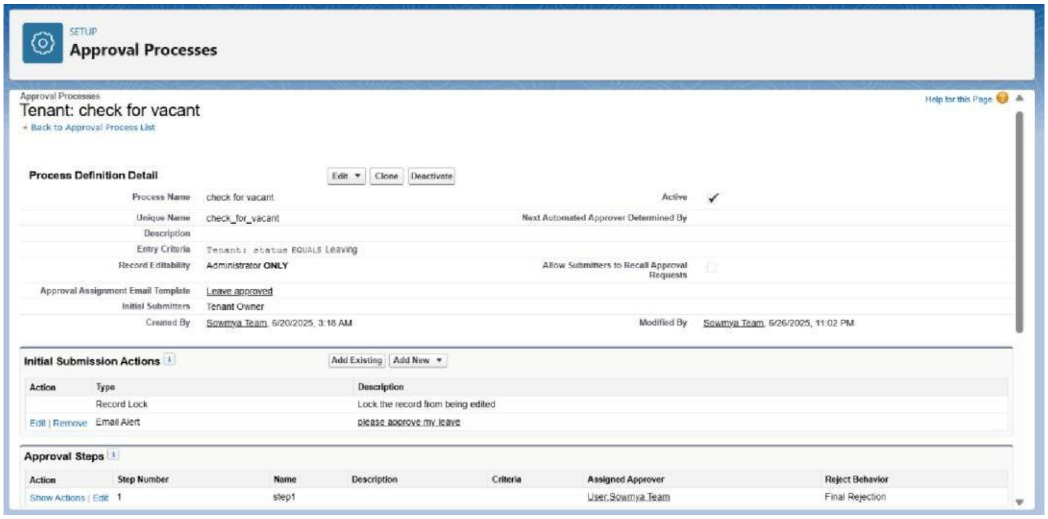
Initial Submission Actions

Action	Type	Description
	Record Lock	Lock the record from being edited

Approval Steps

Action	Step Number	Name	Description	Criteria	Assigned Approver	Reject Behavior
Show Actions | Edit	1	Step 1			User:Sowmya Team	Final Rejection

For Check for Vacant:



Approval Processes

Tenant: check for vacant

Process Definition Detail

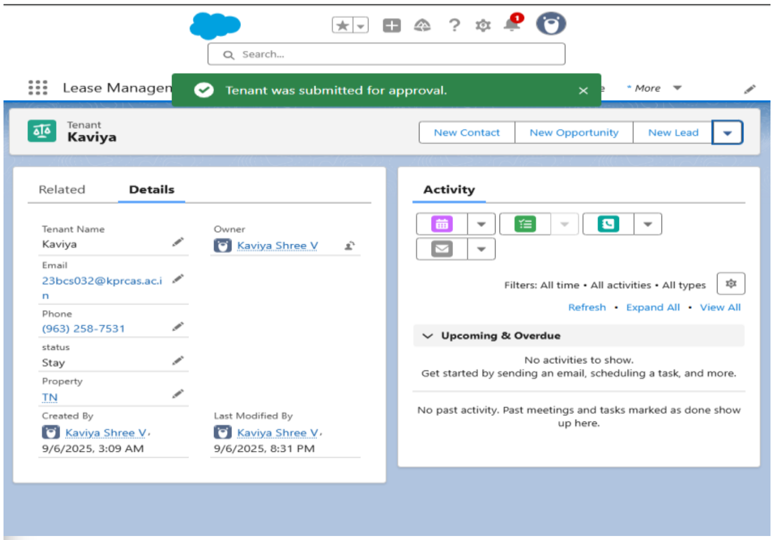
Process Name	check for vacant	Active	✓
Unique Name	check_for_vacant	Next Automated Approver Determined By	
Description			
Entry Criteria	`Tenant: status EQUALS` Leaving		
Record Editability	Administrator **ONLY**	Allow Submitters to Recall Approval Requests	□
Approval Assignment Email Template	Leave approved		
Initial Submitters	Tenant Owner		
Created By	Sowmya Team, 6/20/2025, 3:18 AM	Modified By	Sowmya Team, 6/26/2025, 11:02 PM

Initial Submission Actions

Action	Type	Description
	Record Lock	Lock the record from being edited
Edit | Remove	Email Alert	please approve my leave

Approval Steps

Action	Step Number	Name	Description	Criteria	Assigned Approver	Reject Behavior
Show Actions | Edit	1	step1			User:Sowmya Team	Final Rejection



Tenant was submitted for approval.

Tenant
Kaviya

Tenant Name
Kaviya

Owner
Kaviya Shree V

Email
23bcs032@kprcas.ac.in

Phone
(963) 258-7531

status
Stay

Property
TN

Created By
Kaviya Shree V, 9/6/2025, 3:09 AM

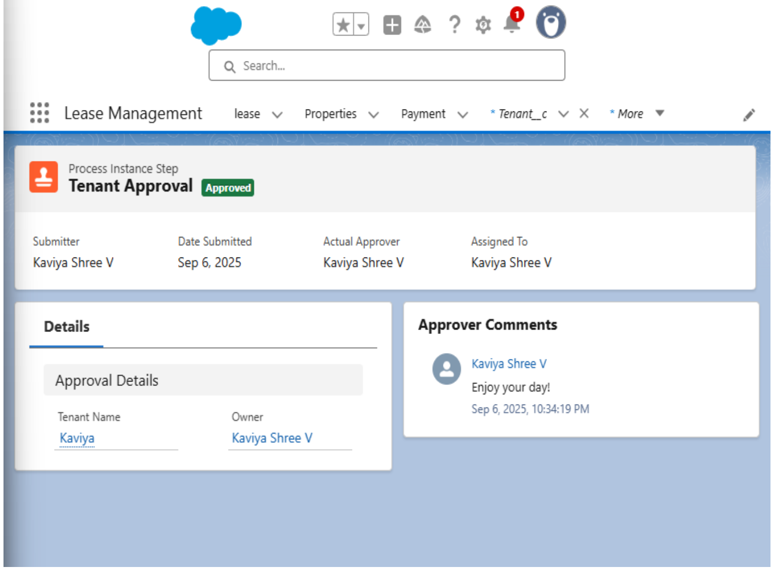
Last Modified By
Kaviya Shree V, 9/6/2025, 8:31 PM

Filters: All time • All activities • All types

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.



Process Instance Step
Tenant Approval Approved

Submitter	Date Submitted	Actual Approver	Assigned To
Kaviya Shree V	Sep 6, 2025	Kaviya Shree V	Kaviya Shree V

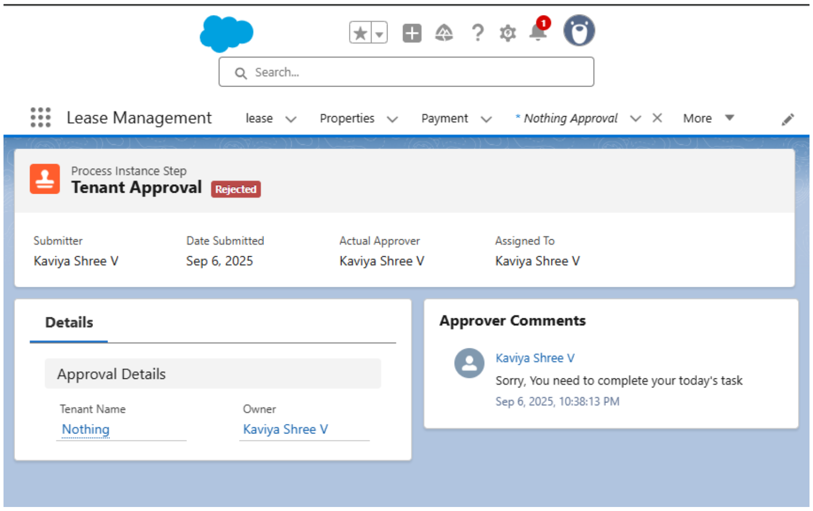
Approval Details

Tenant Name
Kaviya

Owner
Kaviya Shree V

Approver Comments

Kaviya Shree V
Enjoy your day!
Sep 6, 2025, 10:34:19 PM



Process Instance Step
Tenant Approval Rejected

Submitter	Date Submitted	Actual Approver	Assigned To
Kaviya Shree V	Sep 6, 2025	Kaviya Shree V	Kaviya Shree V

Approval Details

Tenant Name
Nothing

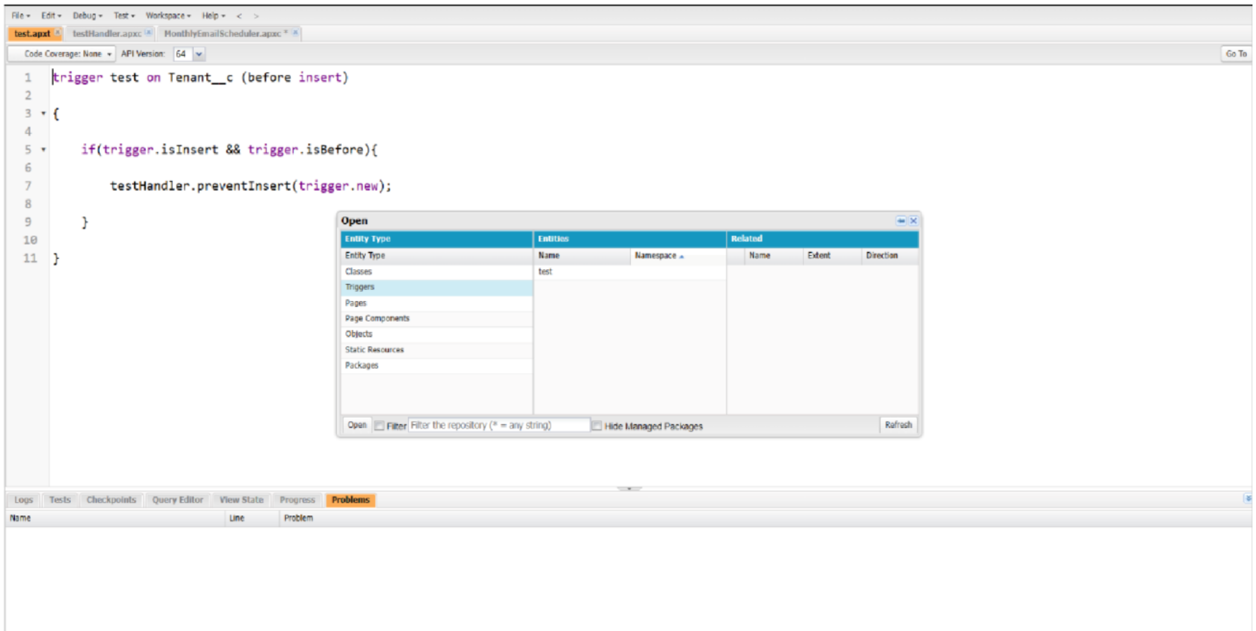
Owner
Kaviya Shree V

Approver Comments

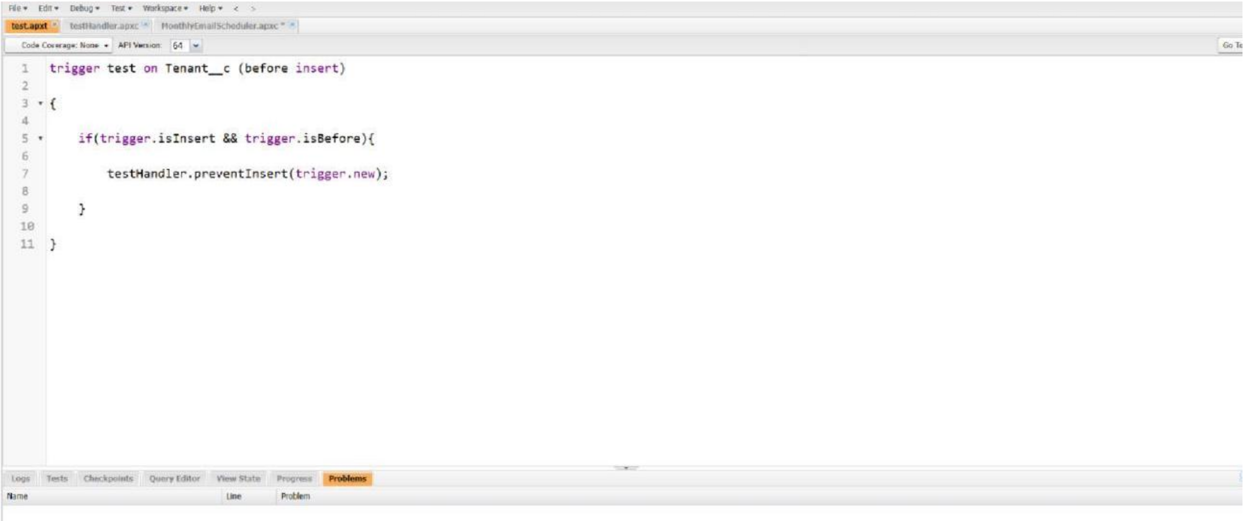
Kaviya Shree V
Sorry, You need to complete your today's task
Sep 6, 2025, 10:38:13 PM

- Apex Trigger

Create an Apex Trigger

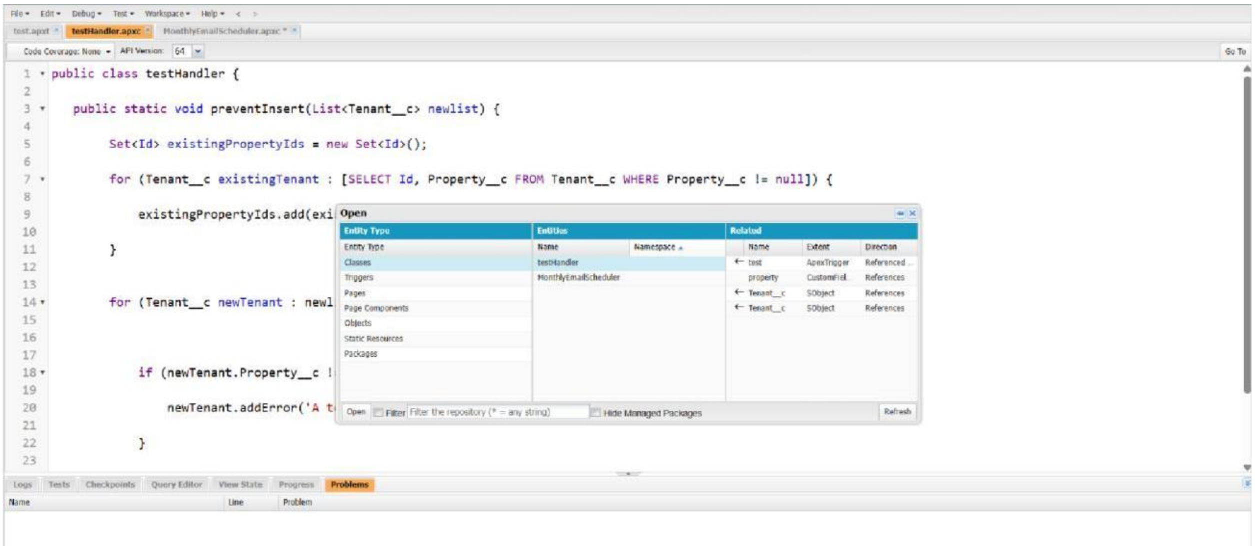


```
trigger test on Tenant__c (before insert)

{

    if(trigger.isInsert && trigger.isBefore){

        testHandler.preventInsert(trigger.new);

    }

}
```


File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >
test.apxt
testHandler.apxc
MonthlyEmailScheduler.apxc
Code Coverage: None ▾ API Version: 64
Go To
Logs Tests Checkpoints Query Editor View State Progress Problems
Name
Line
Problem

```
trigger test on Tenant__c (before insert)

{

    if(trigger.isInsert && trigger.isBefore){

        testHandler.preventInsert(trigger.new);

    }

}
```

Create an Apex Handler class

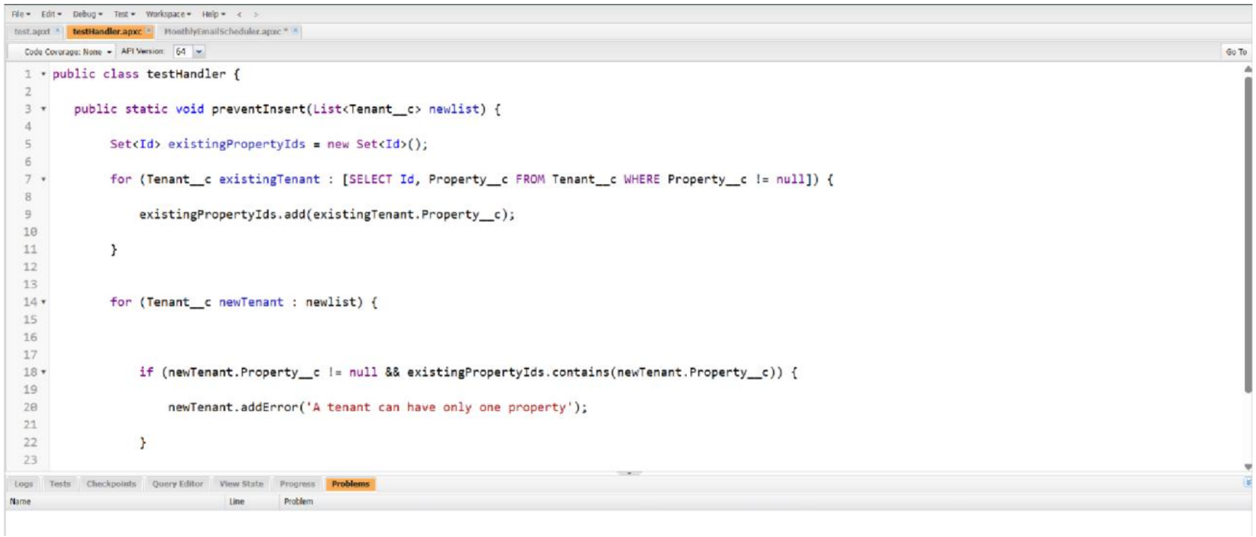

File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >
test.apxt × testHandler.apxc × MonthlyEmailScheduler.apxc * ×
Code Coverage: None ▾ API Version: 64
Go To
Logs Tests Checkpoints Query Editor View State Progress Problems
Name Line Problem

```
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(exi

        }


        for (Tenant__c newTenant : newl



            if (newTenant.Property__c !

                newTenant.addError('A t

            }

```

Open

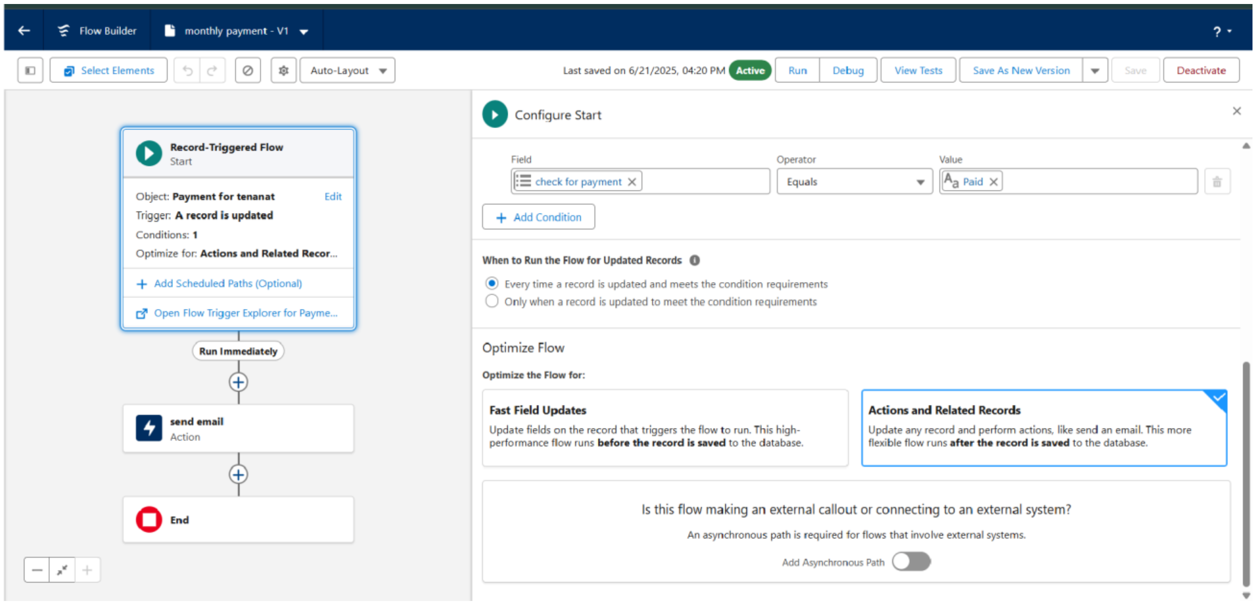
Entity Type	Entities		Related			
Entity Type	Name	Namespace ▴		Name	Extent	Direction
Classes	testHandler		←	test	ApexTrigger	Referenced ...
Triggers	MonthlyEmailScheduler			property	CustomFiel...	References
Pages			←	Tenant__c	SObject	References
Page Components			←	Tenant__c	SObject	References
Objects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

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


File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >
test.apxt × testHandler.apxc × MonthlyEmailScheduler.apxc * ×
Code Coverage: None ▾ API Version: 64
Go To
Logs Tests Checkpoints Query Editor View State Progress Problems
Name Line Problem

```
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



Object: Payment for tenanat
Trigger: A record is updated
Conditions: 1
Optimize for: Actions and Related Recor...

Field	Operator	Value
check for payment	Equals	Paid

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:

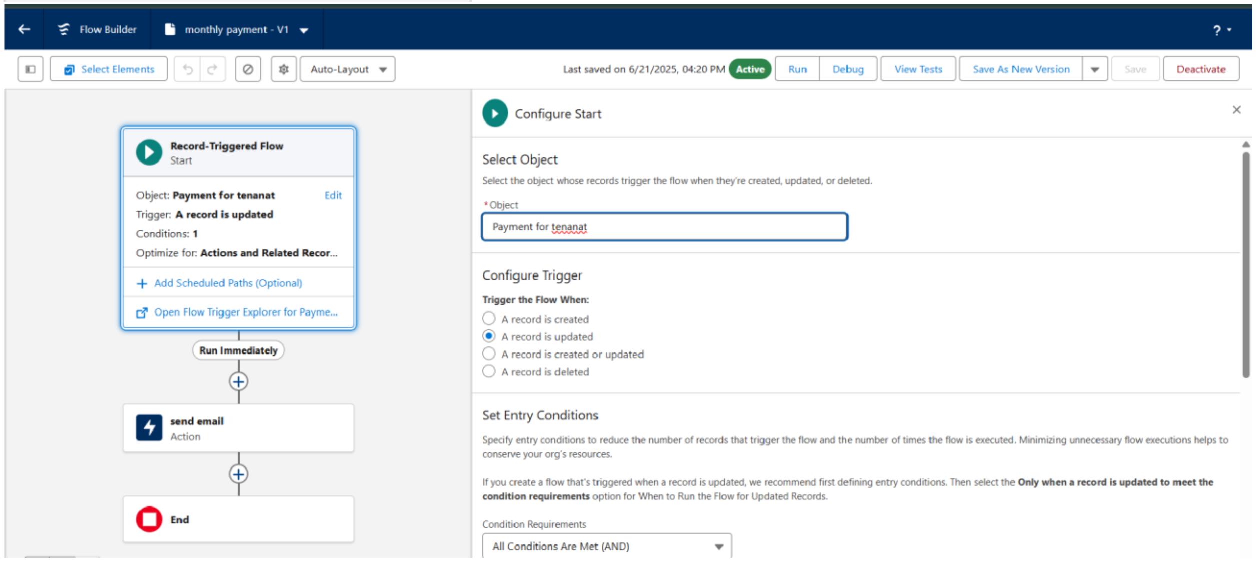
Fast Field Updates
Update fields on the record that triggers the flow to run. This high-performance flow runs **before the record is saved** to the database.

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



Object: Payment for tenanat
Trigger: A record is updated
Conditions: 1
Optimize for: Actions and Related Recor...

Select Object

Select the object whose records trigger the flow when they're created, updated, or deleted.

*Object: Payment for tenanat

Configure Trigger

Trigger the Flow When:

○ A record is created
● A record is updated
○ A record is created or updated
○ A record is deleted

Set Entry Conditions

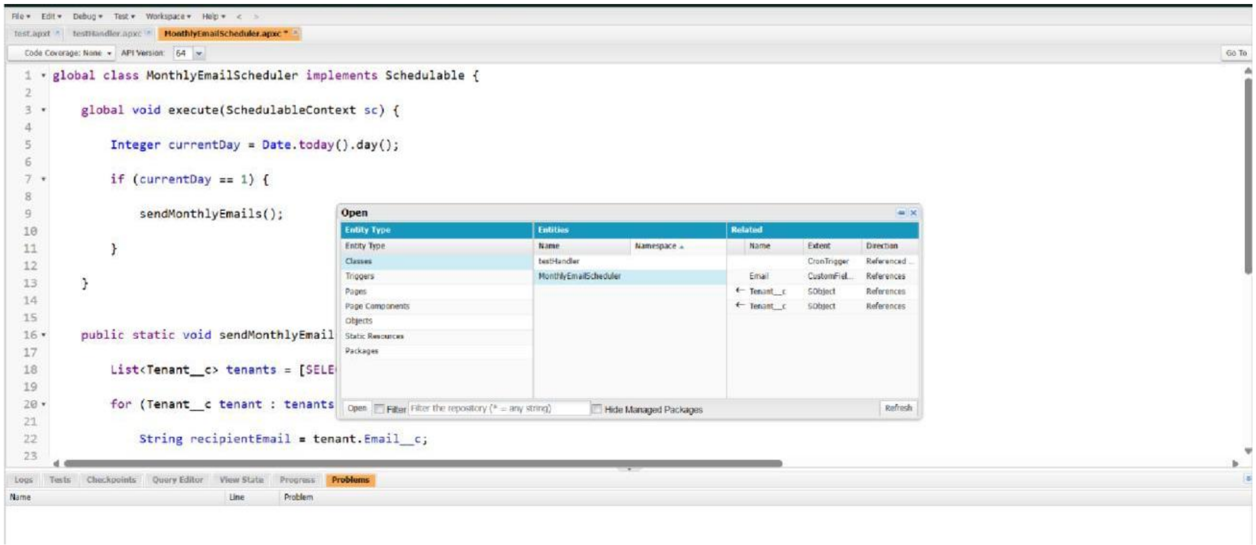
Specify entry conditions to reduce the number of records that trigger the flow and the number of times the flow is executed. Minimizing unnecessary flow executions helps to conserve your org's resources.

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: All Conditions Are Met (AND)

- Schedule class:

  Create an Apex Class


File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >
test.apxt
testHandler.apxc
MonthlyEmailScheduler.apxc *
Code Coverage: None ▾ API Version: 64
Go To
Logs
Tests
Checkpoints
Query Editor
View State
Progress
Problems
Name
Line
Problem

```
global class MonthlyEmailScheduler implements Schedulable {

    global void execute(SchedulableContext sc) {

        Integer currentDay = Date.today().day();

        if (currentDay == 1) {

            sendMonthlyEmails();

        }

    }


    public static void sendMonthlyEmail

        List<Tenant__c> tenants = [SELE

        for (Tenant__c tenant : tenants

            String recipientEmail = tenant.Email__c;

```

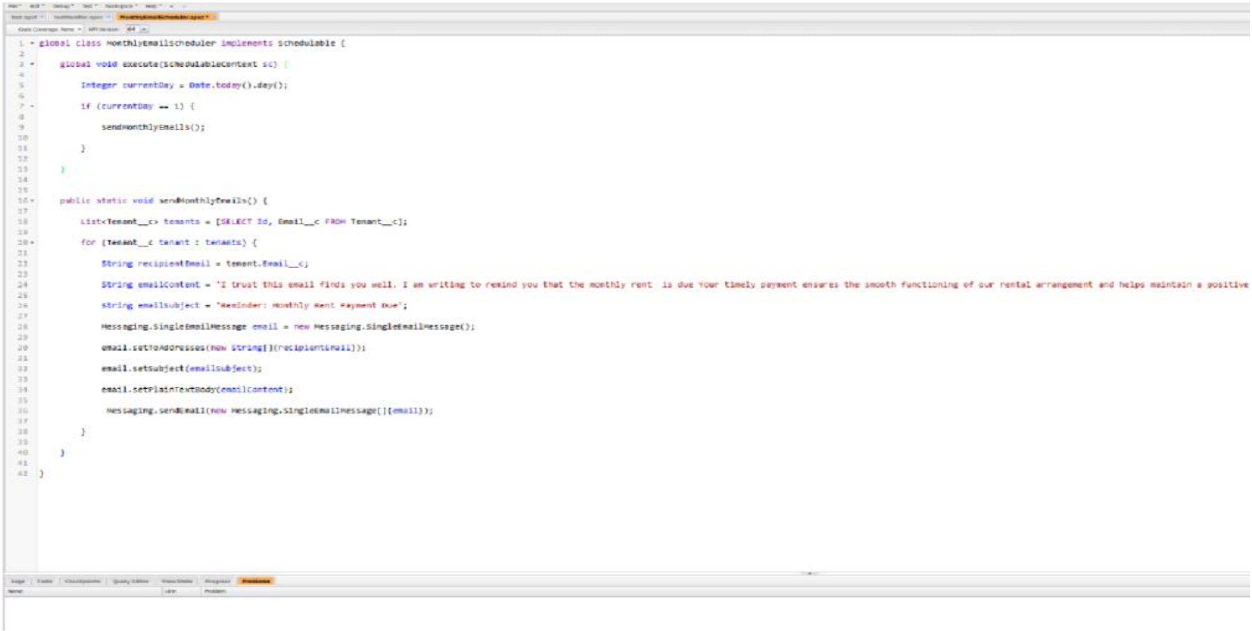
Open

Entity Type
Entity Type
Classes
Triggers
Pages
Page Components
Objects
Static Resources
Packages

Entities	
Name	Namespace ▴
testHandler	
MonthlyEmailScheduler	

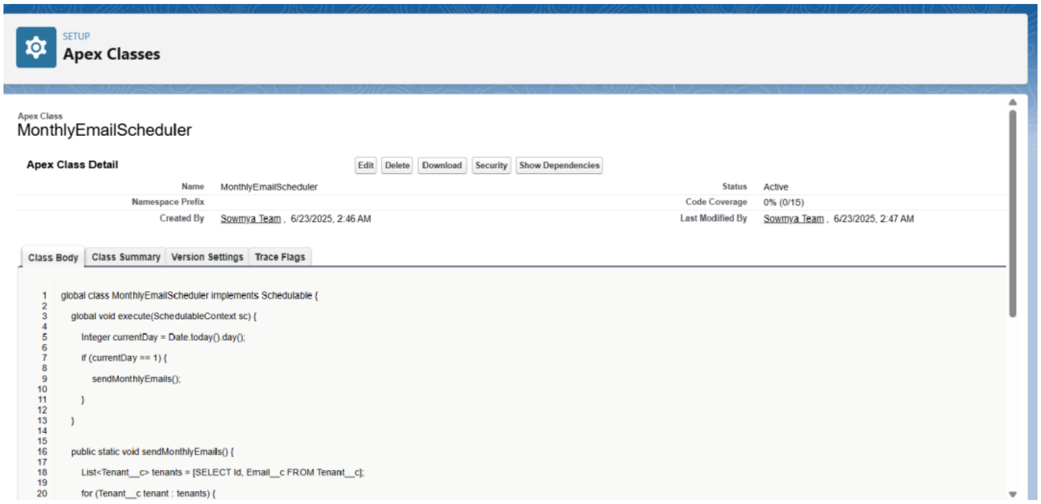
Related			
	Name	Extent	Direction
		CronTrigger	Referenced ...
	Email	CustomFiel...	References
←	Tenant__c	SObject	References
←	Tenant__c	SObject	References

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


File ▾ Edit ▾ Debug ▾ Test ▾ Workspace ▾ Help ▾ < >
test.apxt
testHandler.apxc
MonthlyEmailScheduler.apxc *
Code Coverage: None ▾ API Version: 64
Logs
Tests
Checkpoints
Query Editor
View State
Progress
Problems
Name
Line
Problem

```
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

            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});

        }

    }

}
```

Schedule Apex class

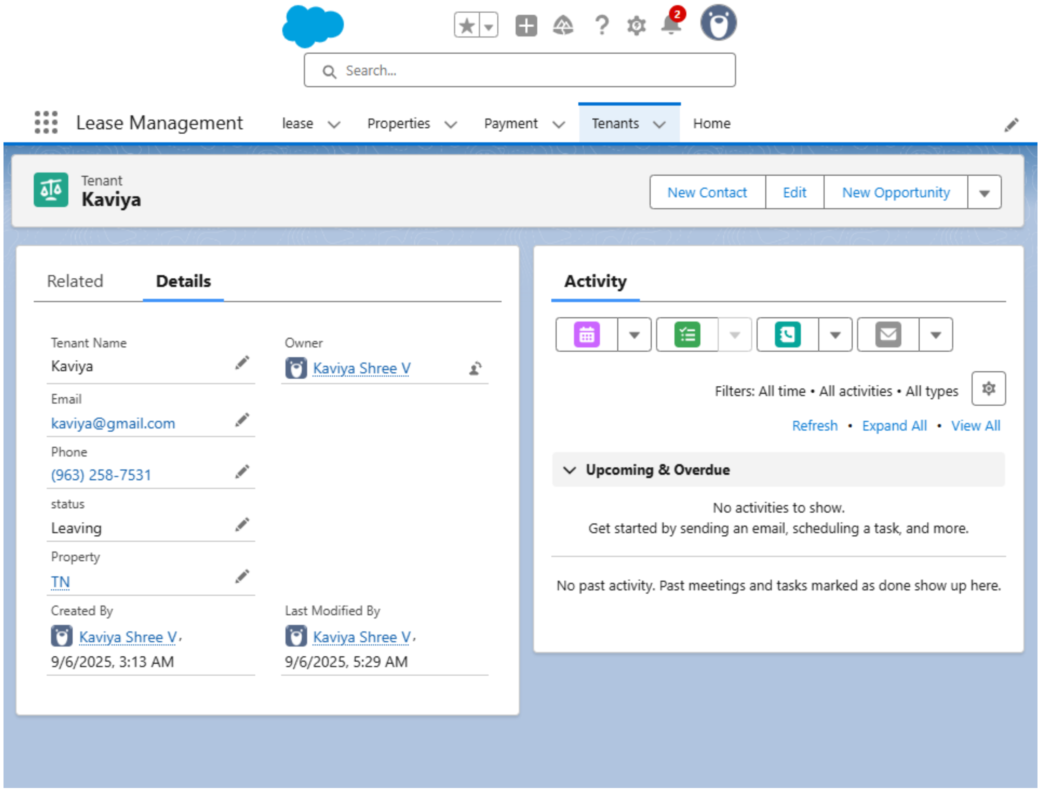


Apex Class
MonthlyEmailScheduler

Apex Class Detail

Name	MonthlyEmailScheduler	Status	Active
Namespace Prefix		Code Coverage	0% (0/15)
Created By	Sowmya Team , 6/23/2025, 2:46 AM	Last Modified By	Sowmya Team , 6/23/2025, 2:47 AM

```
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) {
```



Tenant
Kaviya

Tenant Name Kaviya	Owner Kaviya Shree V
Email kaviya@gmail.com	
Phone (963) 258-7531	
status Leaving	
Property TN	
Created By Kaviya Shree V, 9/6/2025, 3:13 AM	Last Modified By Kaviya Shree V, 9/6/2025, 5:29 AM

Filters: All time • All activities • All types

Upcoming & Overdue

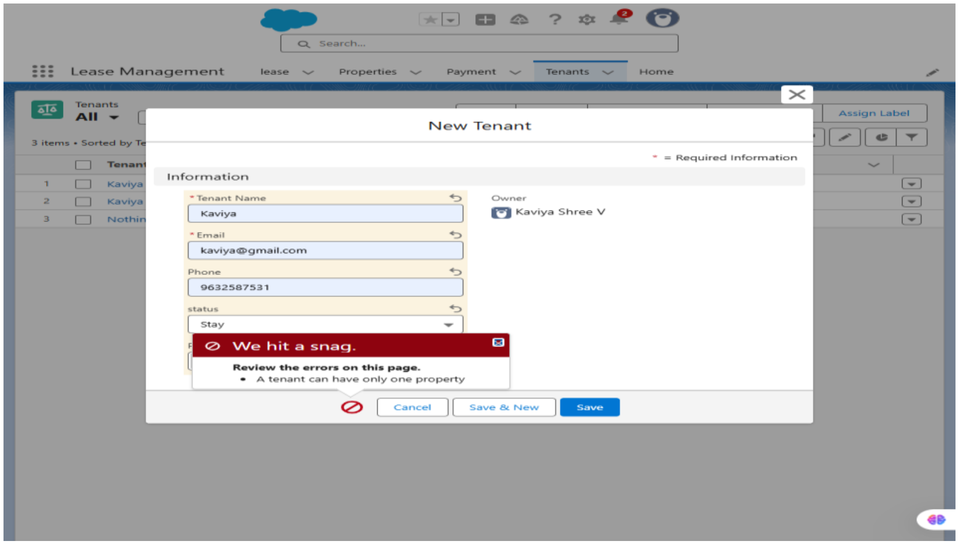
No activities to show.
Get started by sending an email, scheduling a task, and more.

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-property records



New Tenant

* = Required Information

Information

*Tenant Name: Kaviya

*Email: kaviya@gmail.com

Phone: 9632587531

status: Stay

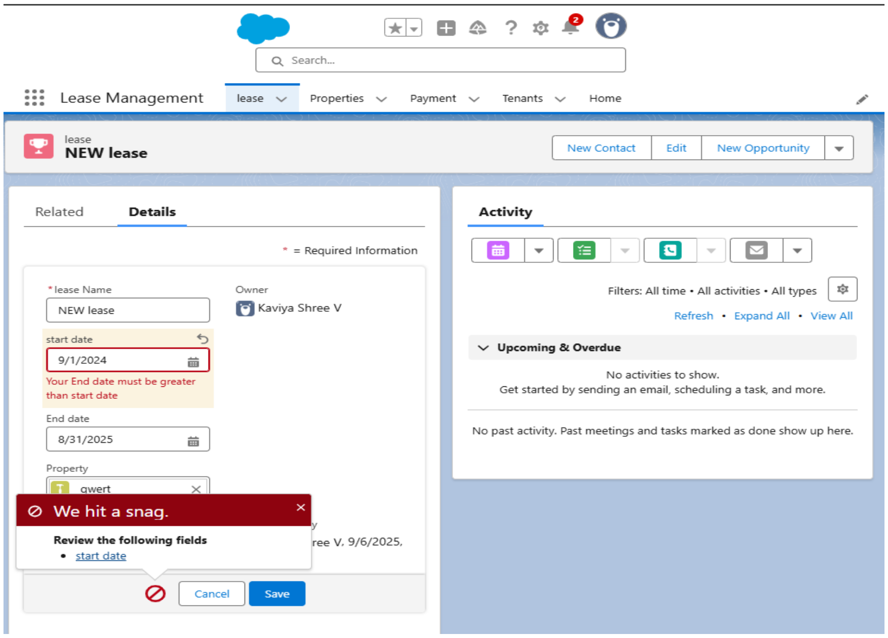
Owner: Kaviya Shree V

We hit a snag.

Review the errors on this page.

- A tenant can have only one property

- Validation Rule checking



lease

NEW lease

* = Required Information

*lease Name: NEW lease

Owner: Kaviya Shree V

start date: 9/1/2024

Your End date must be greater than start date

End date: 8/31/2025

Property: qwert

ree V, 9/6/2025,

We hit a snag.

Review the following fields

- start date

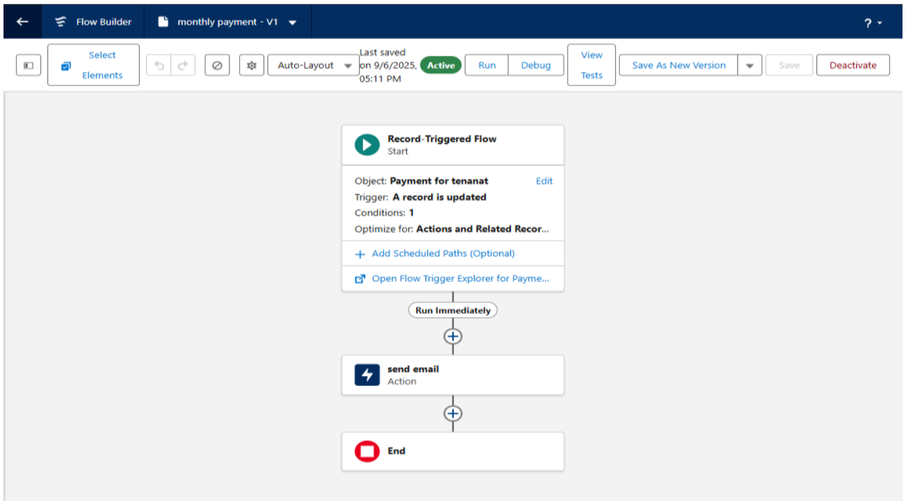
Filters: All time • All activities • All types

Upcoming & Overdue

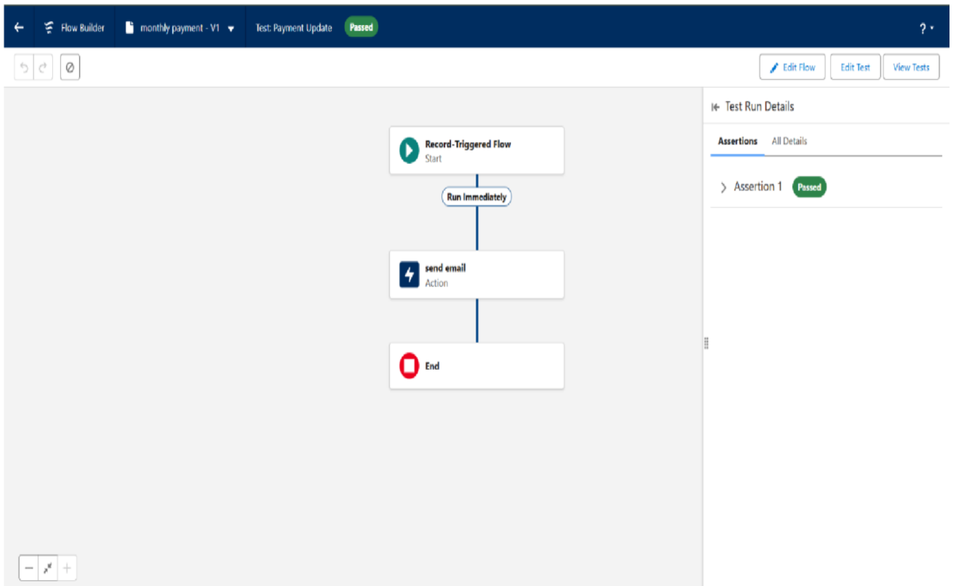
No activities to show.
Get started by sending an email, scheduling a task, and more.

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

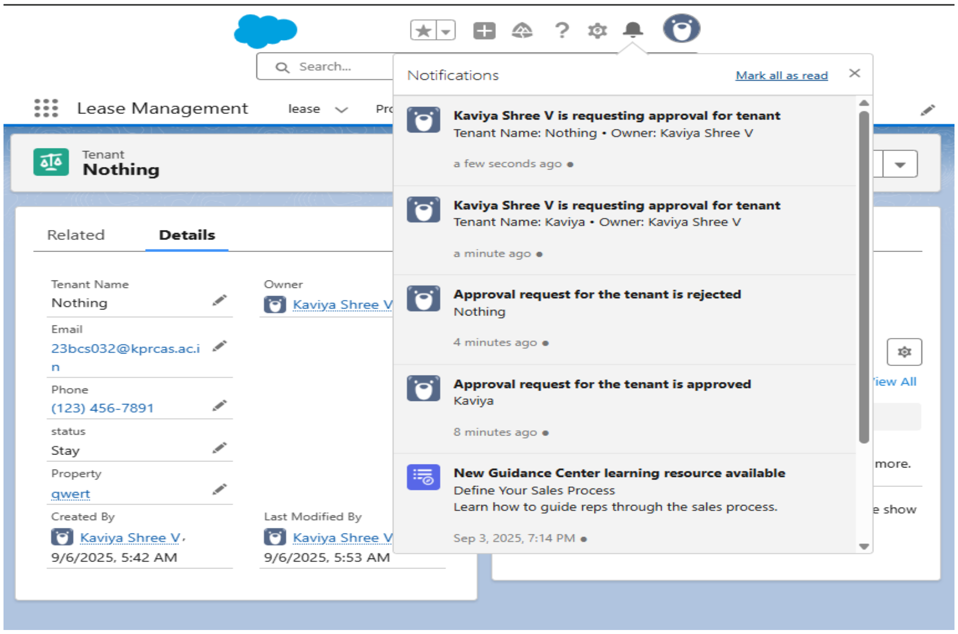
- Test flows on payment update



Object: Payment for tenanat
Trigger: A record is updated
Conditions: 1
Optimize for: Actions and Related Recor...



- Approval process validated through email alerts and status updates



Notifications — Mark all as read

Kaviya Shree V is requesting approval for tenant
Tenant Name: Nothing • Owner: Kaviya Shree V
a few seconds ago

Kaviya Shree V is requesting approval for tenant
Tenant Name: Kaviya • Owner: Kaviya Shree V
a minute ago

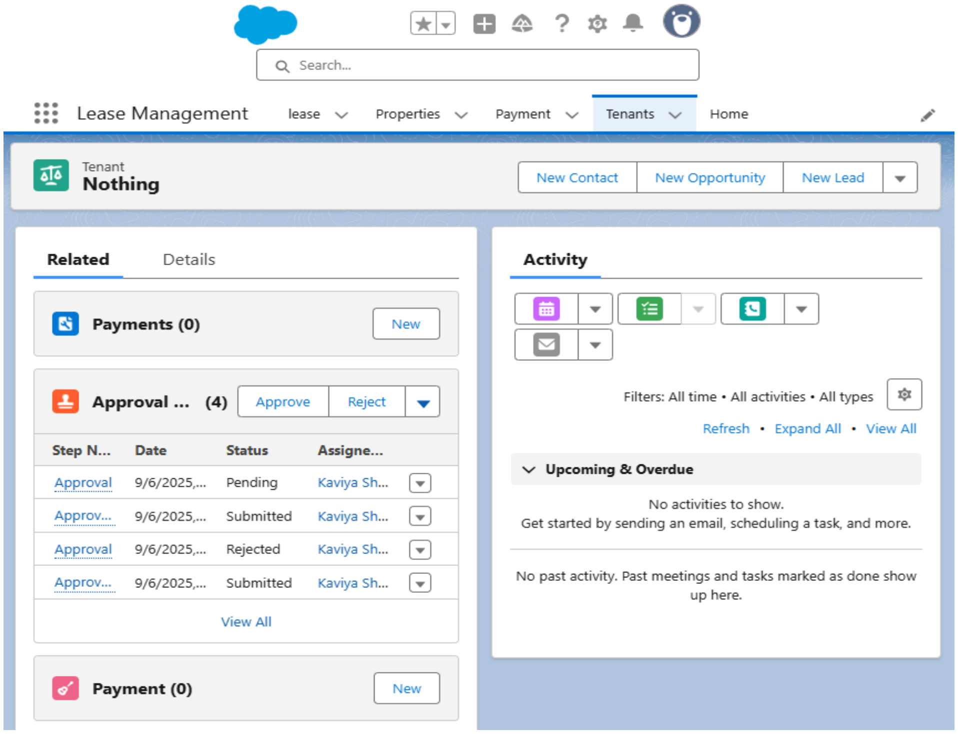
Approval request for the tenant is rejected
Nothing
4 minutes ago

Approval request for the tenant is approved
Kaviya
8 minutes ago

New Guidance Center learning resource available
Define Your Sales Process
Learn how to guide reps through the sales process.
Sep 3, 2025, 7:14 PM

Tenant: Nothing (Details tab)

Tenant Name	Nothing
Owner	Kaviya Shree V
Email	23bcs032@kprcas.ac.in
Phone	(123) 456-7891
status	Stay
Property	qwert
Created By	Kaviya Shree V, 9/6/2025, 5:42 AM
Last Modified By	Kaviya Shree V, 9/6/2025, 5:53 AM



Tenant: Nothing

Payments (0)

Approval ... (4)

Step N...	Date	Status	Assigne...
Approval	9/6/2025,...	Pending	Kaviya Sh...
Approv...	9/6/2025,...	Submitted	Kaviya Sh...
Approval	9/6/2025,...	Rejected	Kaviya Sh...
Approv...	9/6/2025,...	Submitted	Kaviya Sh...

Payment (0)

Filters: All time • All activities • All types

Upcoming & Overdue

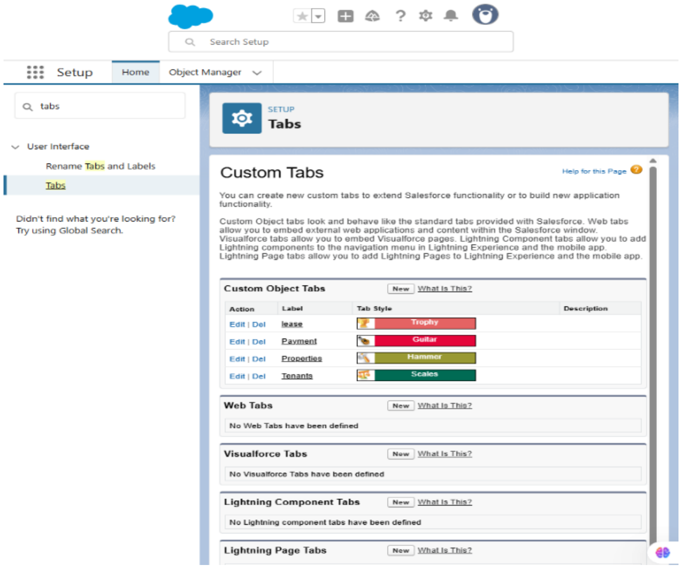
No activities to show.
Get started by sending an email, scheduling a task, and more.

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

RESULTS

Output Screenshots

- Tabs for Property, Tenant, Lease, Payment



Custom Tabs

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Custom Object Tabs New What Is This?

Action	Label	Tab Style	Description
Edit | Del	lease	Trophy	
Edit | Del	Payment	Guitar	
Edit | Del	Properties	Hammer	
Edit | Del	Tenants	Scales	

Web Tabs New What Is This?

No Web Tabs have been defined

Visualforce Tabs New What Is This?

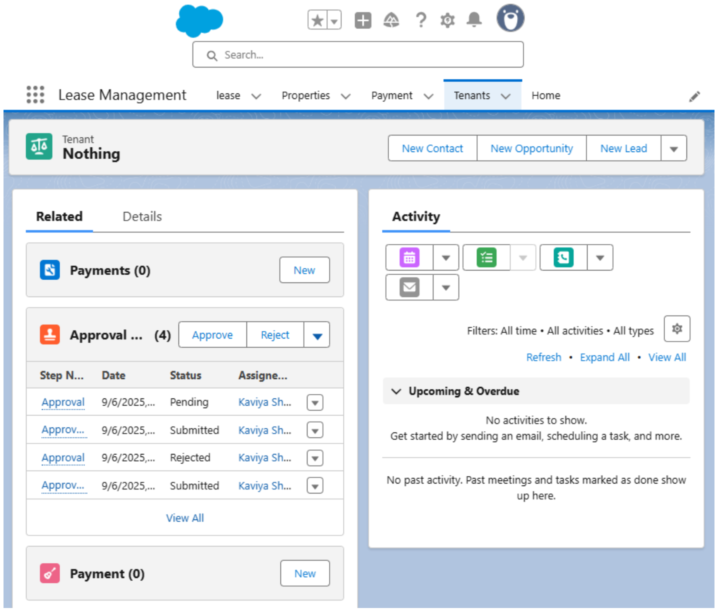
No Visualforce Tabs have been defined

Lightning Component Tabs New What Is This?

No Lightning component tabs have been defined

Lightning Page Tabs New What Is This?

- Email alerts



Tenant
Nothing

Payments (0)

Approval ... (4)

Step N...	Date	Status	Assigne...
Approval	9/6/2025,...	Pending	Kaviya Sh...
Approv...	9/6/2025,...	Submitted	Kaviya Sh...
Approval	9/6/2025,...	Rejected	Kaviya Sh...
Approv...	9/6/2025,...	Submitted	Kaviya Sh...

Payment (0)

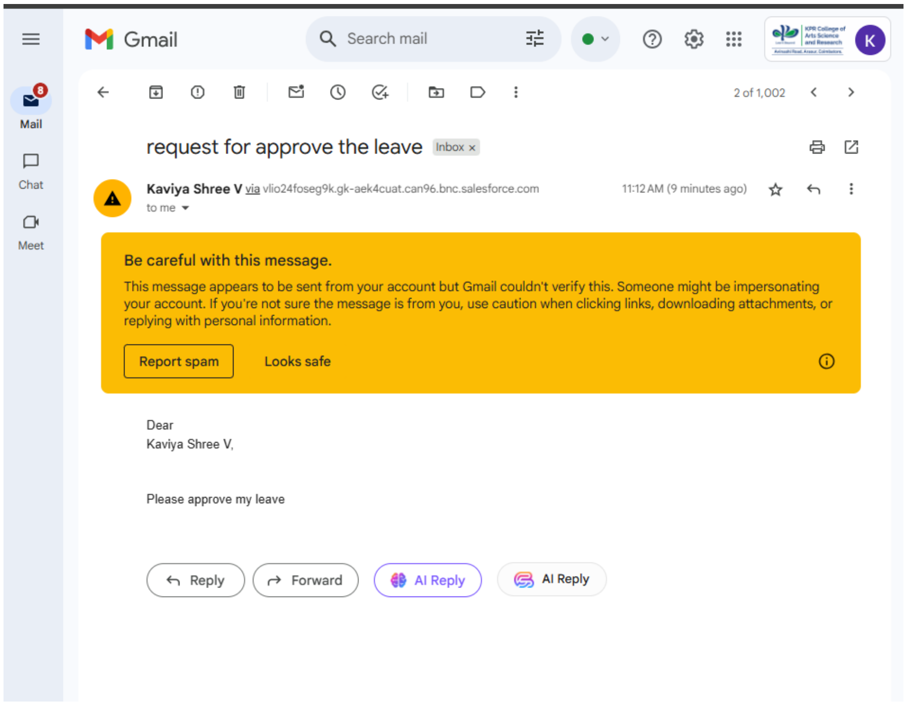
Filters: All time • All activities • All types

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.

- Request for approve the leave



request for approve the leave

Kaviya Shree V via vlio24foseg9k.gk-aek4cuat.can96.bnc.salesforce.com 11:12 AM (9 minutes ago)
to me

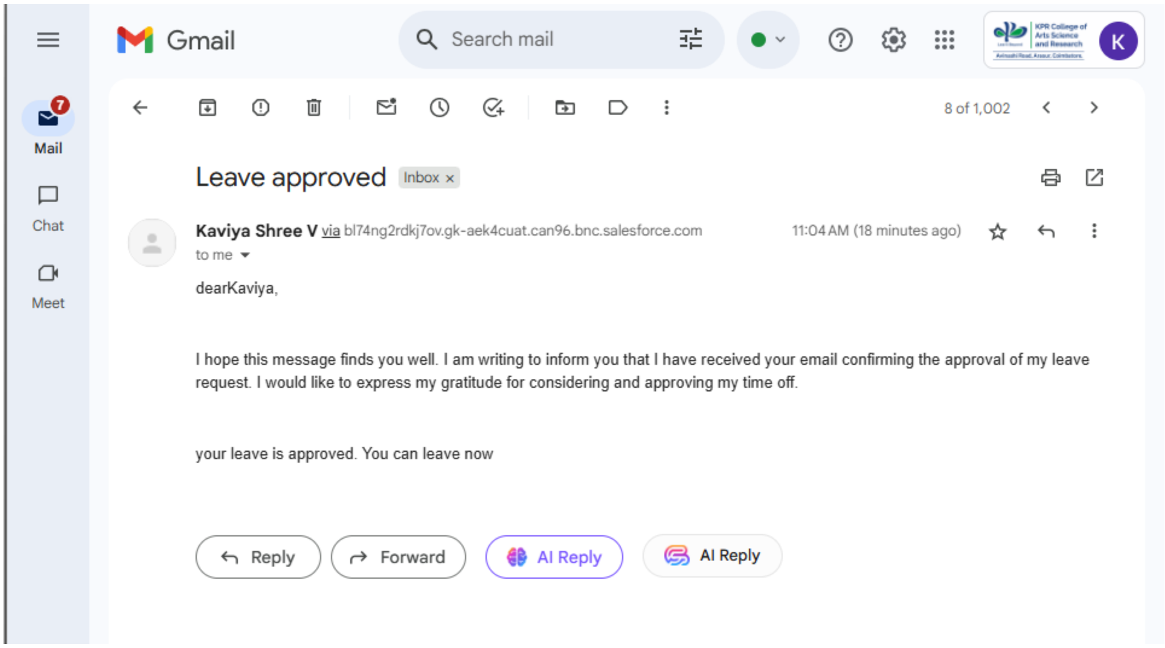
Be careful with this message.

This message appears to be sent from your account but Gmail couldn't verify this. Someone might be impersonating your account. If you're not sure the message is from you, use caution when clicking links, downloading attachments, or replying with personal information.

Dear
Kaviya Shree V,

Please approve my leave

- Leave approved



Leave approved

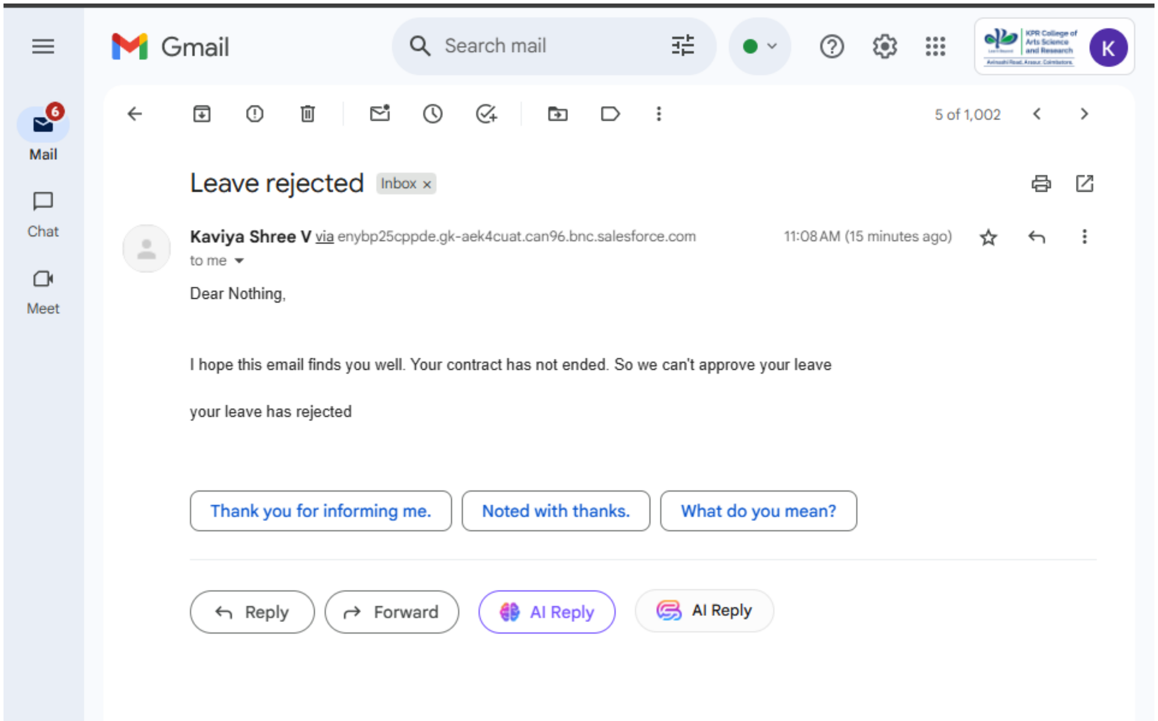
Kaviya Shree V via bl74ng2rdkj7ov.gk-aek4cuat.can96.bnc.salesforce.com 11:04 AM (18 minutes ago)
to me

dearKaviya,

I hope this message finds you well. I am writing to inform you that I have received your email confirming the approval of my leave request. I would like to express my gratitude for considering and approving my time off.

your leave is approved. You can leave now

- Leave rejected



Leave rejected

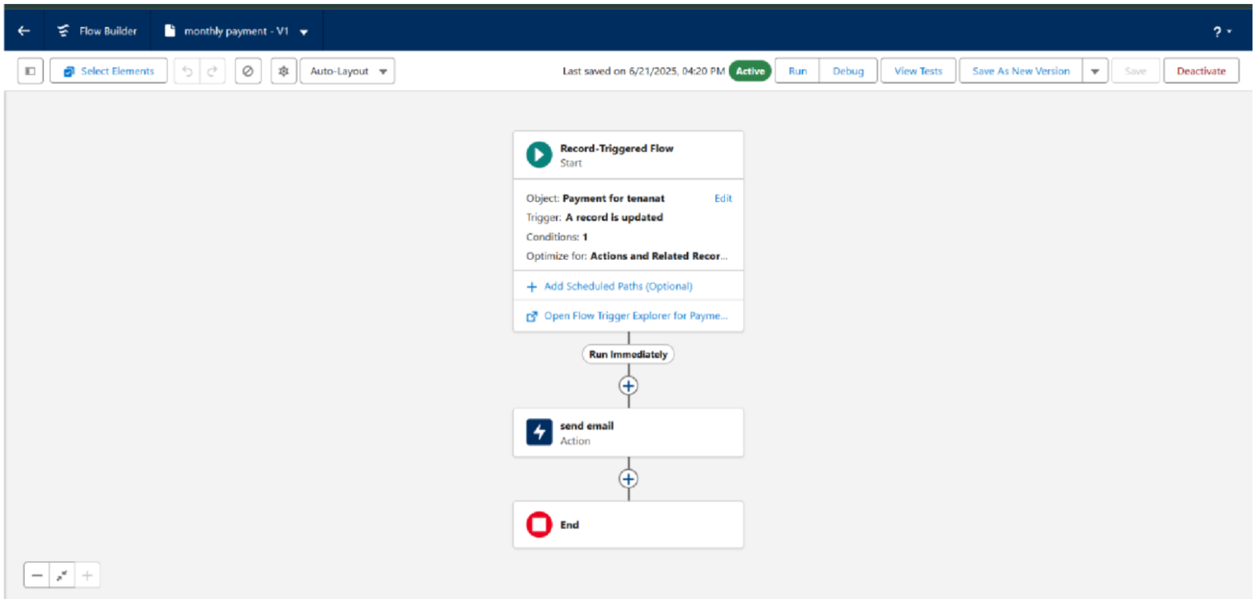
Kaviya Shree V via enybp25cppde.gk-aek4cuat.can96.bnc.salesforce.com
to me
11:08 AM (15 minutes ago)

Dear Nothing,

I hope this email finds you well. Your contract has not ended. So we can't approve your leave

your leave has rejected

- Flow runs



Last saved on 6/21/2025, 04:20 PM

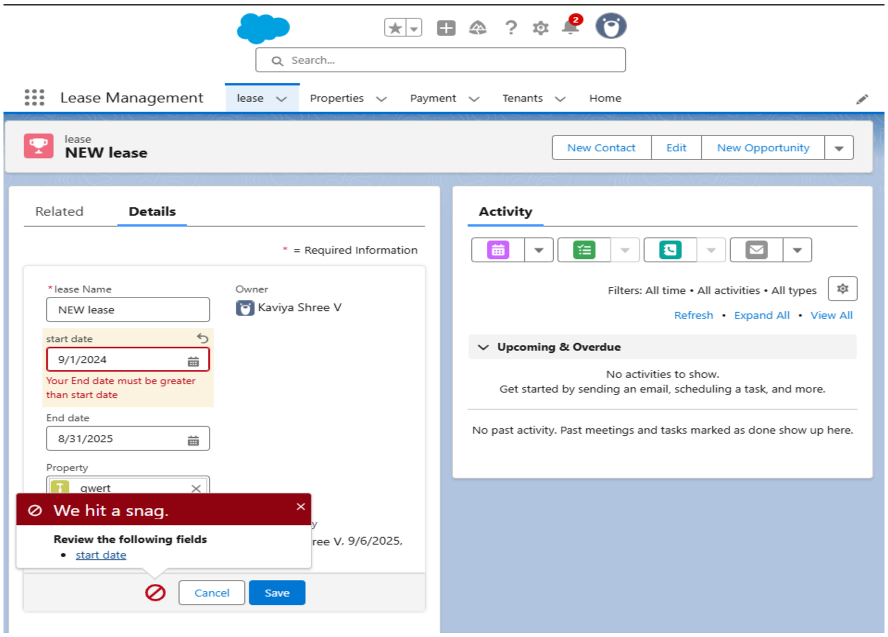
Record-Triggered Flow
Start

Object: Payment for tenanat
Trigger: A record is updated
Conditions: 1
Optimize for: Actions and Related Recor...

send email
Action

End

- Trigger error messages



lease
NEW lease

* = Required Information

*lease Name: NEW lease

Owner: Kaviya Shree V

start date: 9/1/2024

Your End date must be greater than start date

End date: 8/31/2025

Property: qwert

We hit a snag.

Review the following fields
- start date

ree V, 9/6/2025,

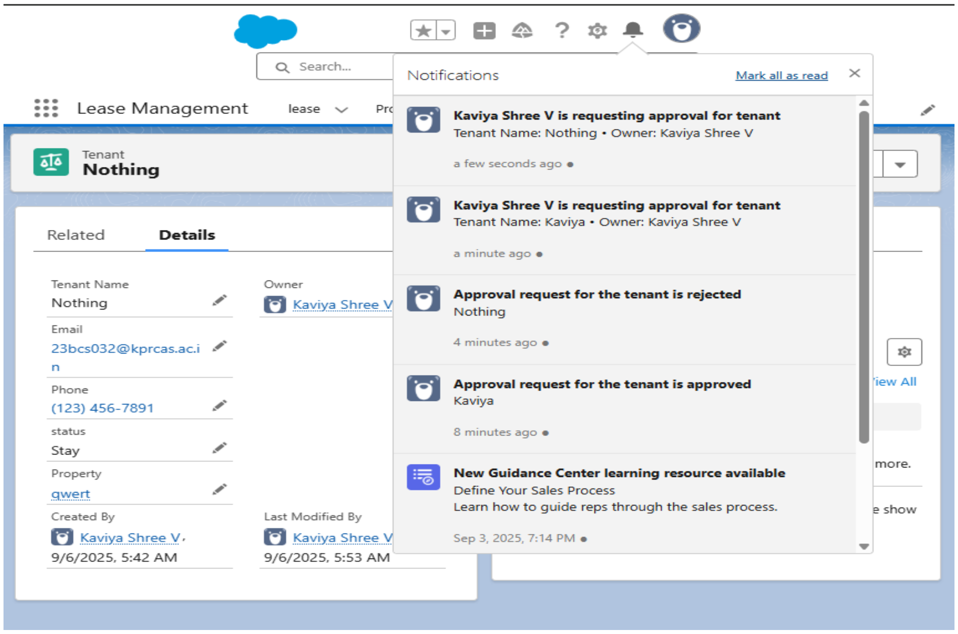
Filters: All time • All activities • All types

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.

- Approval process notifications



Tenant
Nothing

Tenant Name: Nothing

Owner: Kaviya Shree V

Email: 23bcs032@kprcas.ac.in

Phone: (123) 456-7891

status: Stay

Property: qwert

Created By: Kaviya Shree V, 9/6/2025, 5:42 AM

Last Modified By: Kaviya Shree V, 9/6/2025, 5:53 AM

Notifications

Kaviya Shree V is requesting approval for tenant
Tenant Name: Nothing • Owner: Kaviya Shree V
a few seconds ago

Kaviya Shree V is requesting approval for tenant
Tenant Name: Kaviya • Owner: Kaviya Shree V
a minute ago

Approval request for the tenant is rejected
Nothing
4 minutes ago

Approval request for the tenant is approved
Kaviya
8 minutes ago

New Guidance Center learning resource available
Define Your Sales Process
Learn how to guide reps through the sales process.
Sep 3, 2025, 7:14 PM

CONCLUSION

The Lease Management System successfully streamlines the operations of leasing through a structured, automated Salesforce application. It improves efficiency, communication, and data accuracy for both admins and tenants.

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');

}

}

}

}
```

MothlyEmailScheduler.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});

        }

    }

}
```