LEASE MANAGMENT

College Name: Shri Nehru Maha Vidyalaya collage of arts and science

College Code: Bru26

TEAM ID: 13

TEAM MEMBERS:

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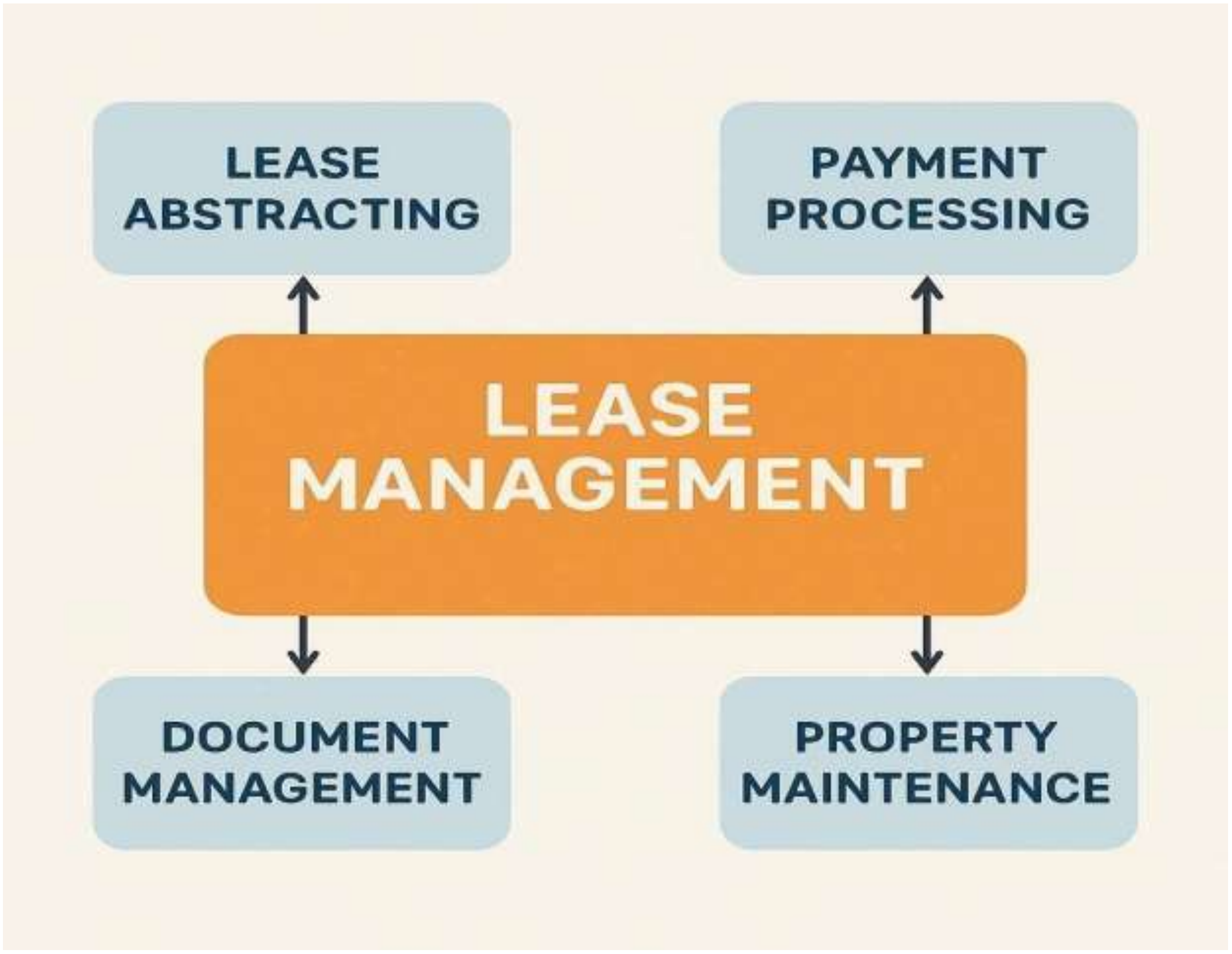
1.INTRODUCTION

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.



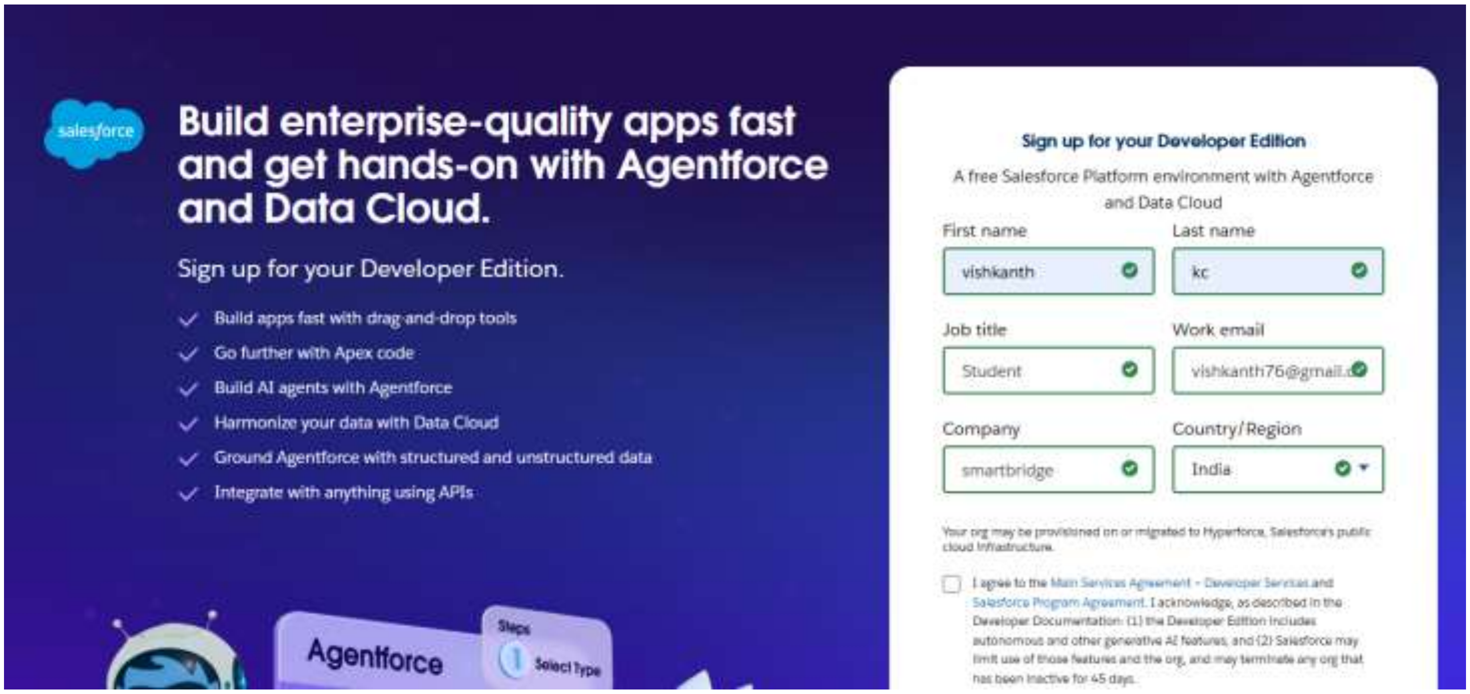
1.2 Purpose

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**



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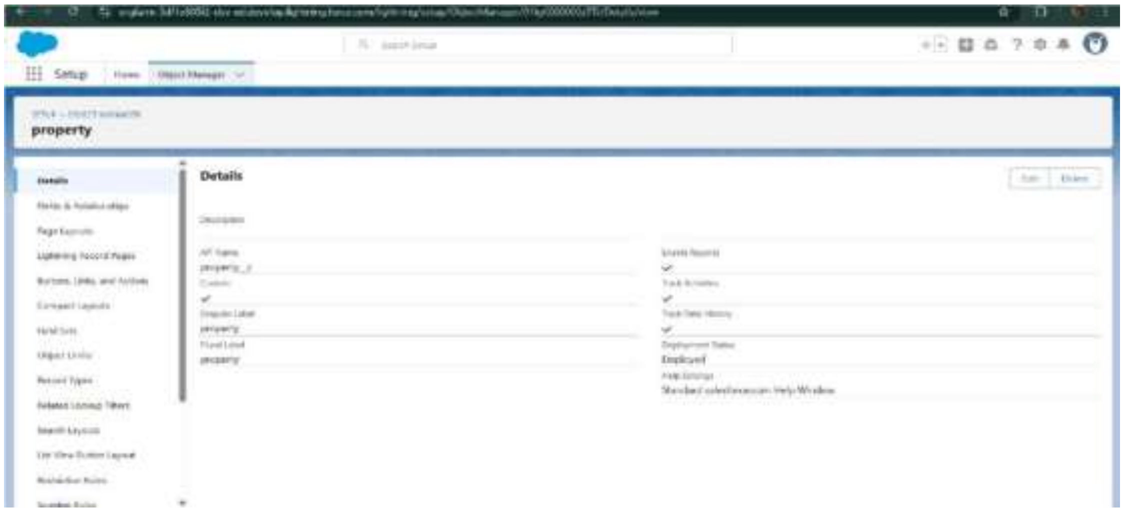
First name: vishkanth	Last name: kc
Job title: Student	Work email: vishkanth76@gmail.c
Company: smartbridge	Country/Region: India

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.

- Created objects: Property, Tenant, Lease, Payment

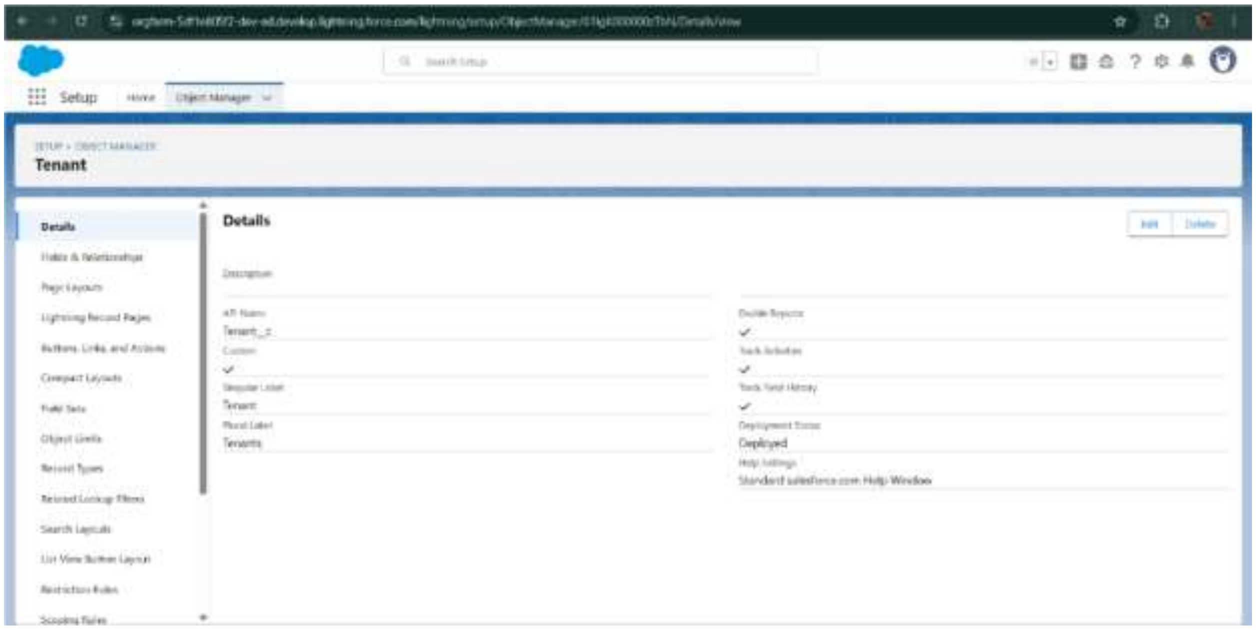


property

Details

Description

API Name: property__c	Enable Reports: ✓
Custom: ✓	Track Activities: ✓
Singular Label: property	Track Field History: ✓
Plural Label: property	Deployment Status: Deployed
	Help Settings: Standard salesforce.com Help Window



orgfarm-5df1e60f92-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01Ig[illegible]/Details/view

Setup · Home · Object Manager

SETUP > OBJECT MANAGER

Tenant

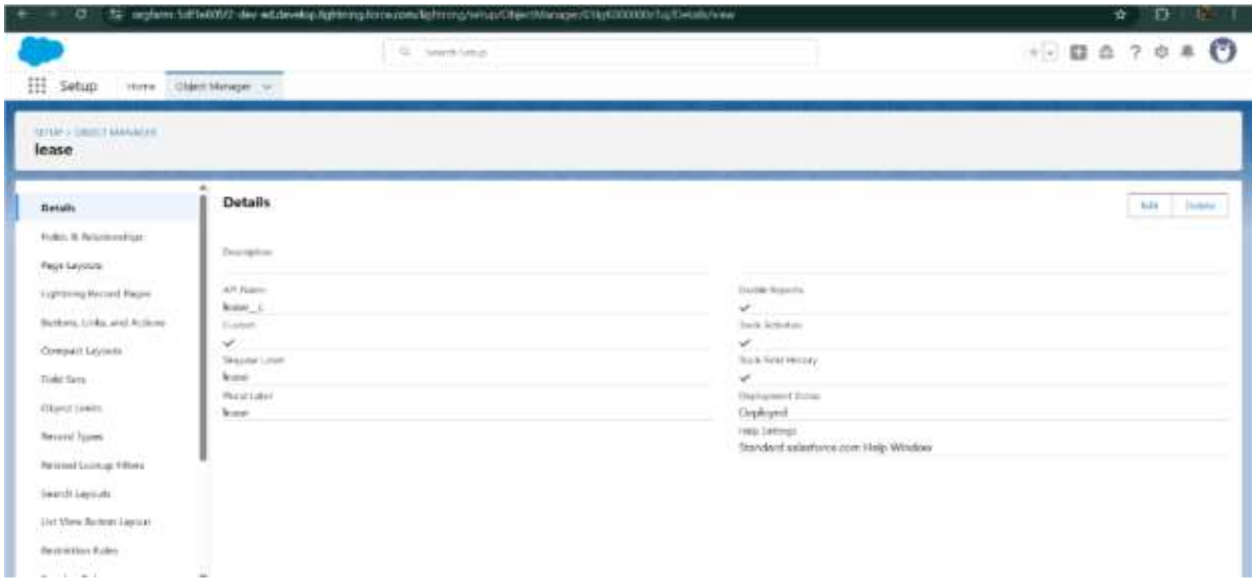
- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters
- Search Layouts
- List View Button Layout
- Restriction Rules
- Scoping Rules

Details

Edit | Delete

Description

API Name Tenant__c	Enable Reports ✓
Custom ✓	Track Activities ✓
Singular Label Tenant	Track Field History ✓
Plural Label Tenants	Deployment Status Deployed
	Help Settings Standard salesforce.com Help Window



orgfarm-5df1e60f92-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01Ig[illegible]/Details/view

Setup · Home · Object Manager

SETUP > OBJECT MANAGER

lease

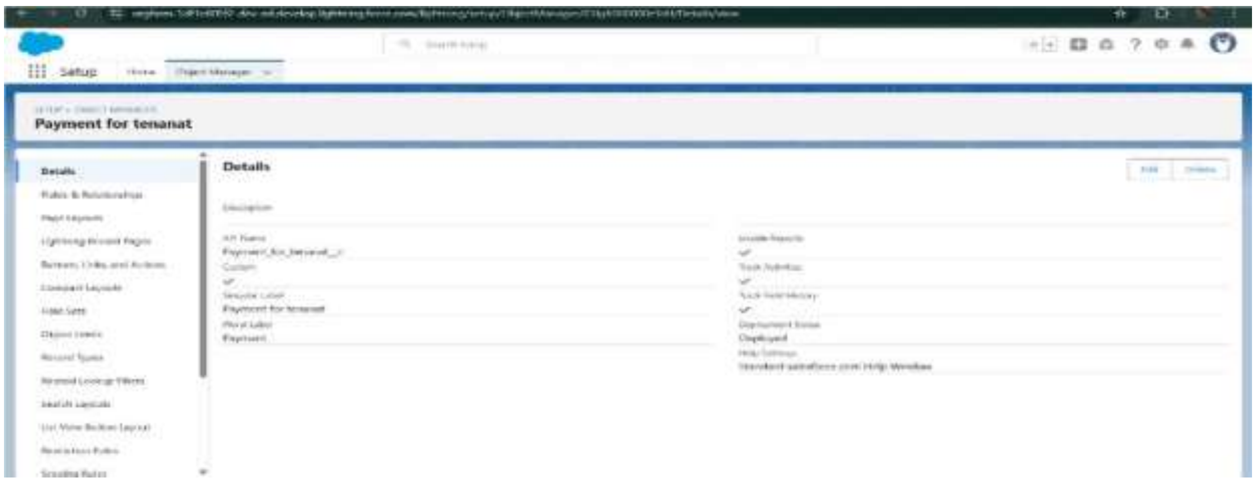
- Details
- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters
- Search Layouts
- List View Button Layout
- Restriction Rules

Details

Edit | Delete

Description

API Name lease__c	Enable Reports ✓
Custom ✓	Track Activities ✓
Singular Label lease	Track Field History ✓
Plural Label lease	Deployment Status Deployed
	Help Settings Standard salesforce.com Help Window



SETUP > OBJECT MANAGER

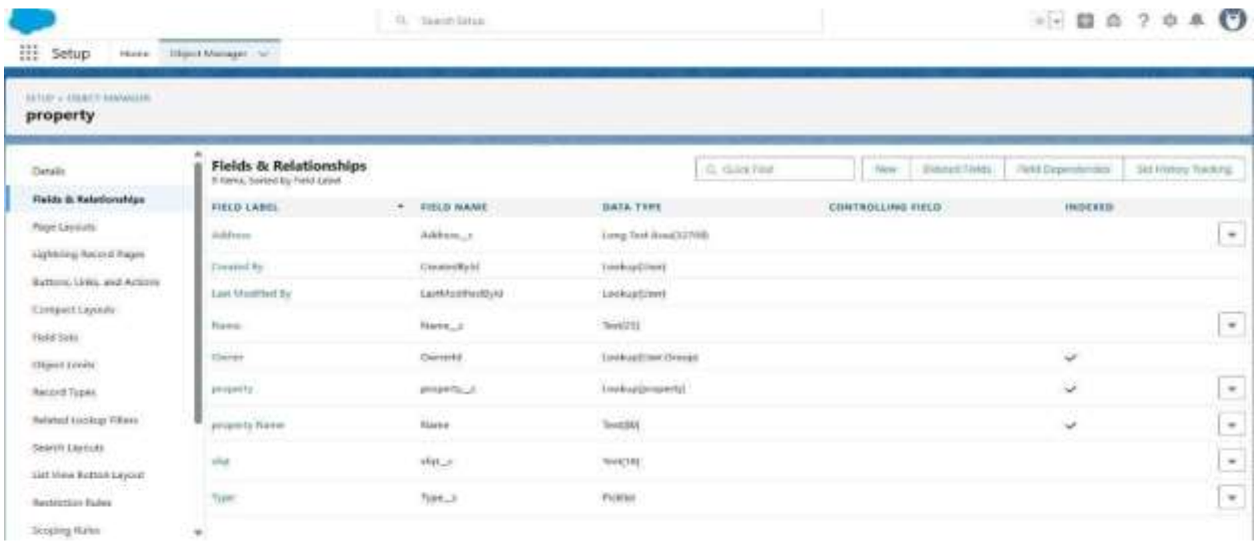
Payment for tenanat

Details

Description

API Name: Payment_for_tenanat__c	Enable Reports: ✓
Custom: ✓	Track Activities: ✓
Singular Label: Payment for tenanat	Track Field History: ✓
Plural Label: Payment	Deployment Status: Deployed
	Help Settings: Standard salesforce.com Help Window

- Configured fields and relationships



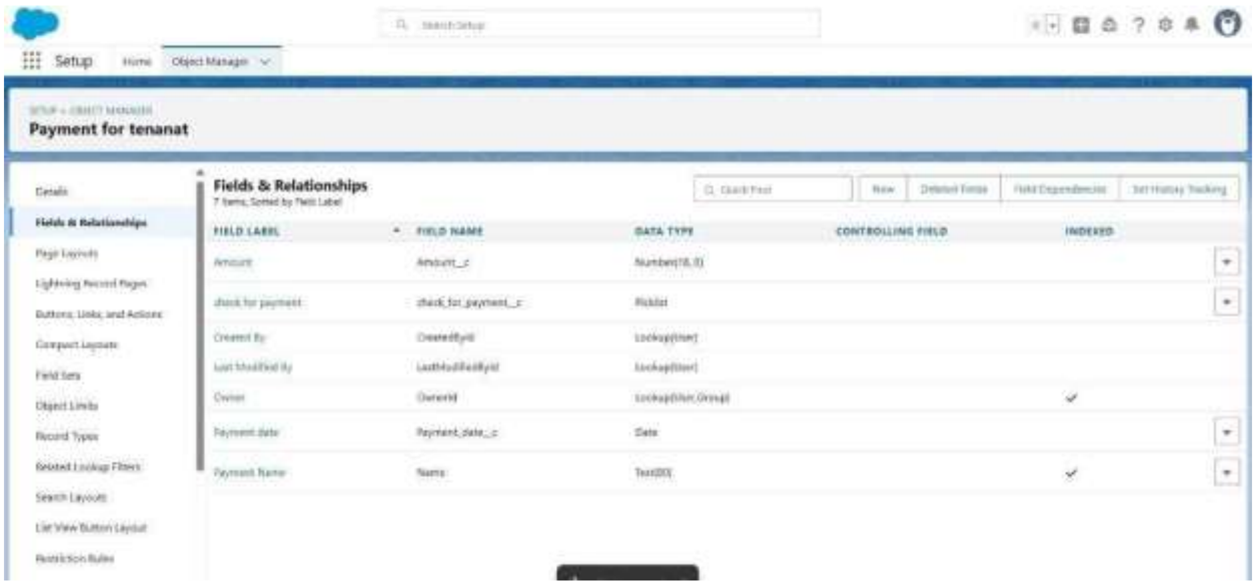
SETUP > OBJECT MANAGER

property

Fields & Relationships

9 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	property__c	Lookup(property)		✓
property Name	Name	Text(80)		✓
sfqt	sfqt__c	Text(10)		
Type	Type__c	Picklist		

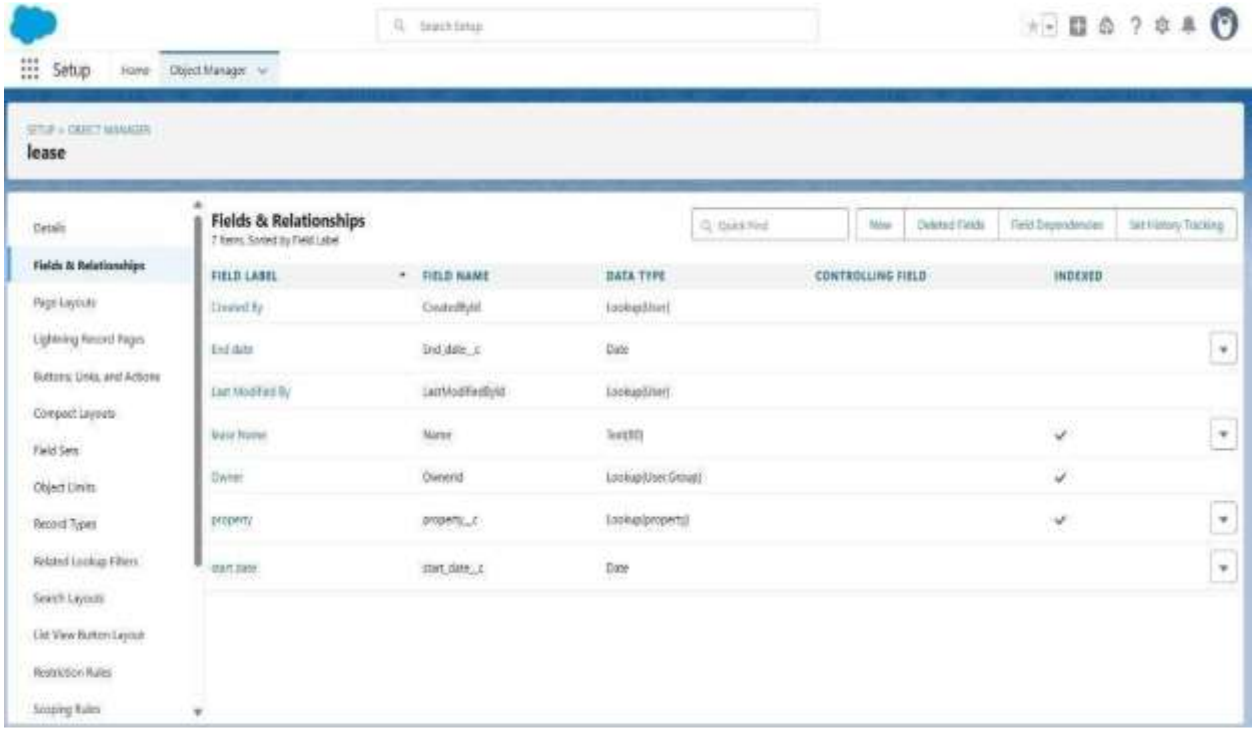


SETUP > OBJECT MANAGER

Payment for tenanat

Fields & Relationships
7 Items, Sorted by Field Label

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)		✓

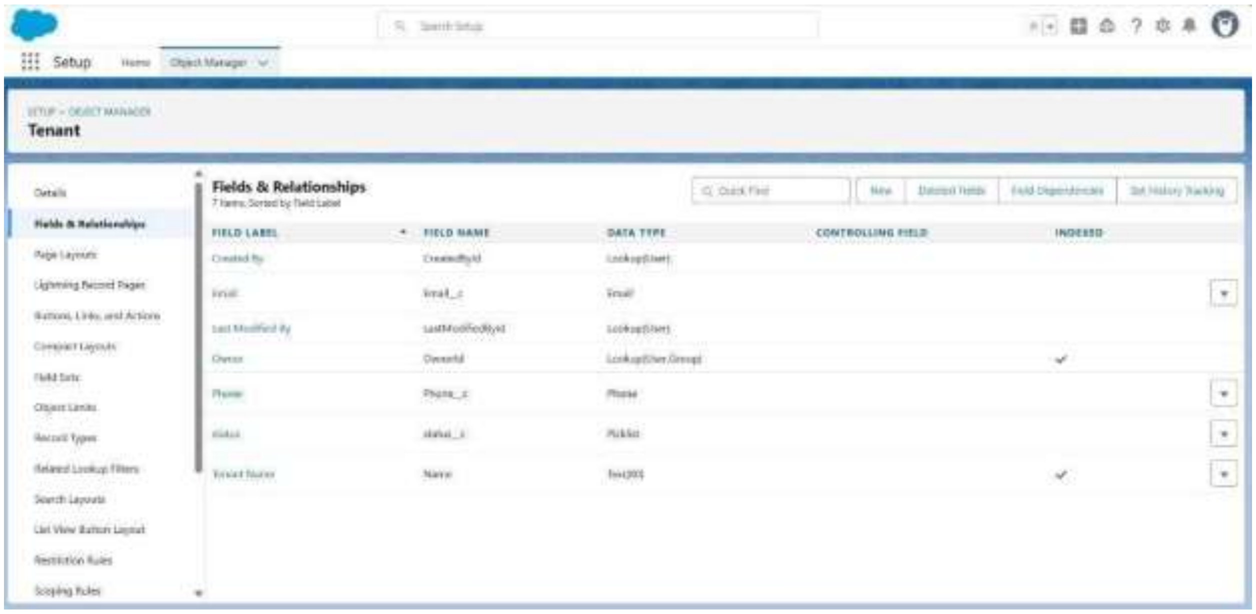


SETUP > OBJECT MANAGER

lease

Fields & Relationships
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

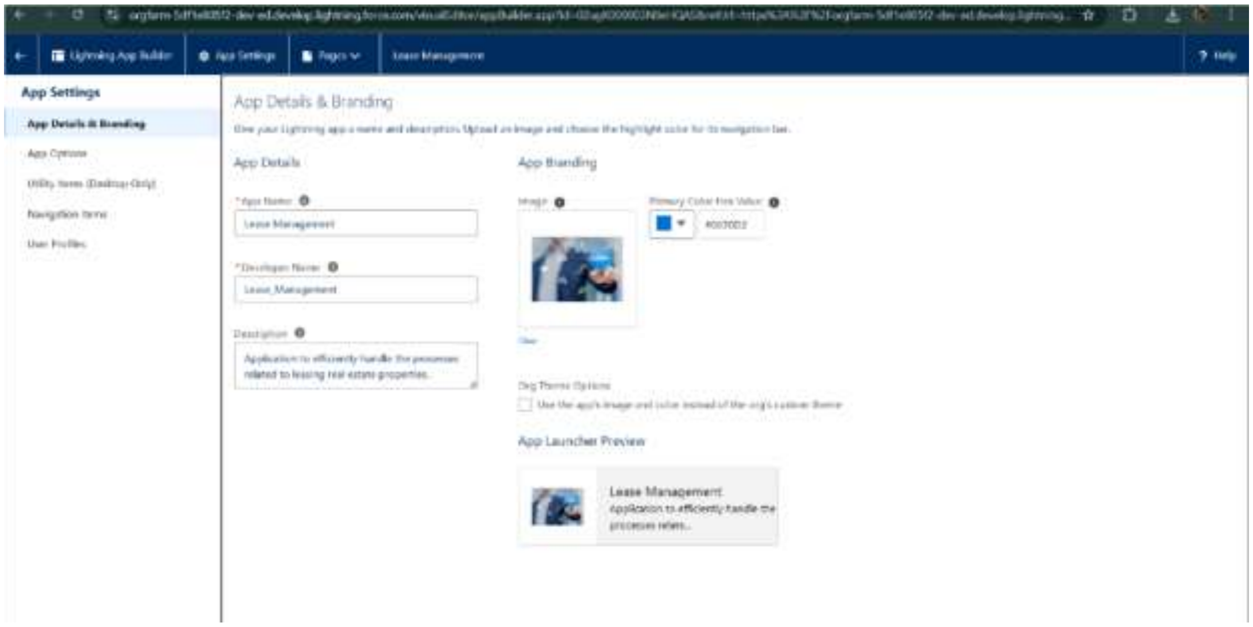
Tenant

Fields & Relationships

7 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		
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

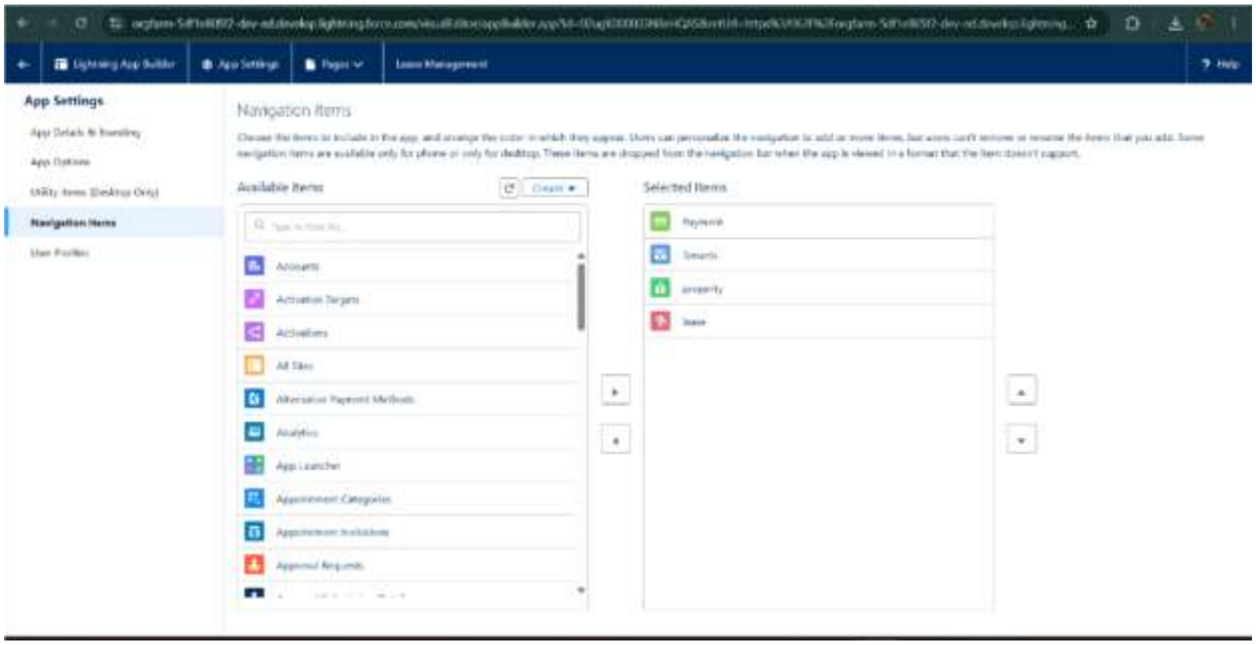
Description: Application to efficiently handle the processes related to leasing real estate properties.

App Branding

Primary Color Hex Value: #0070D2

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.

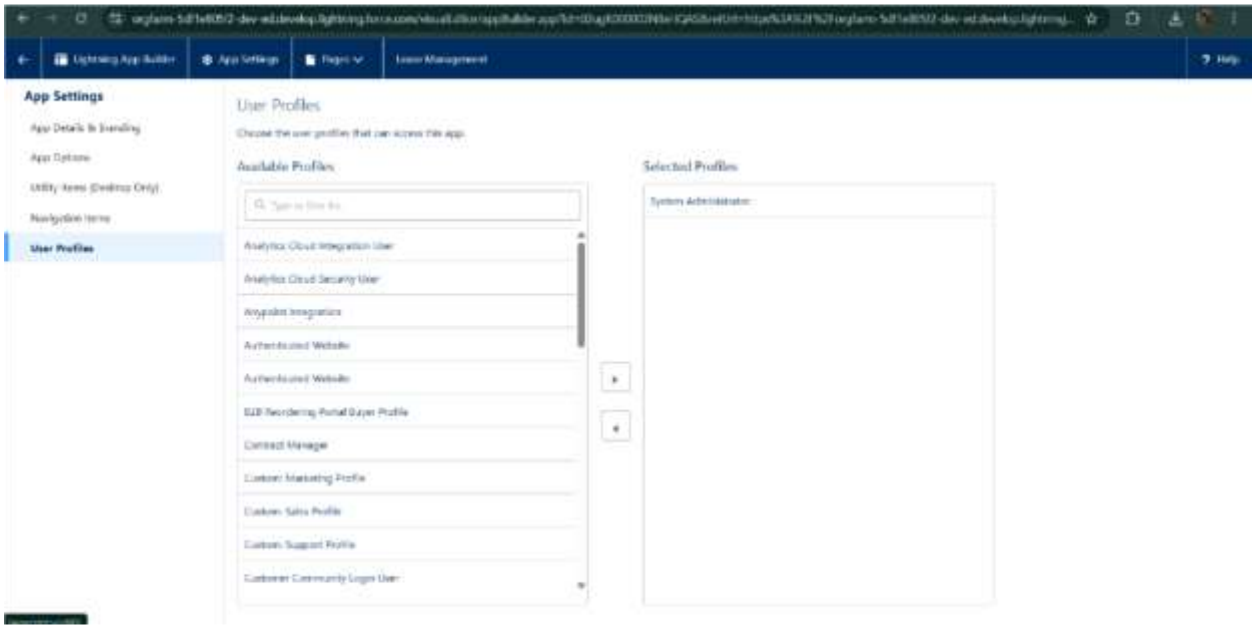
Available Items

Type to filter list...

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

Selected Items

- Payment
- Tenants
- property
- lease



User Profiles

Choose the user profiles that can access this app.

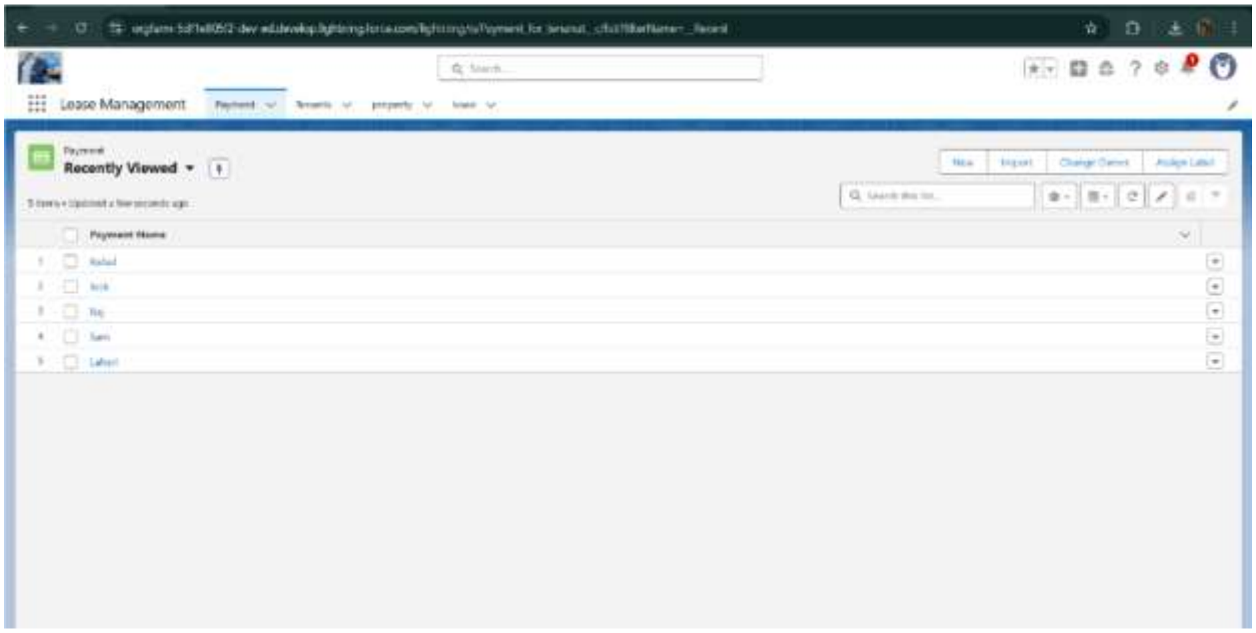
Available Profiles

Type to filter list...

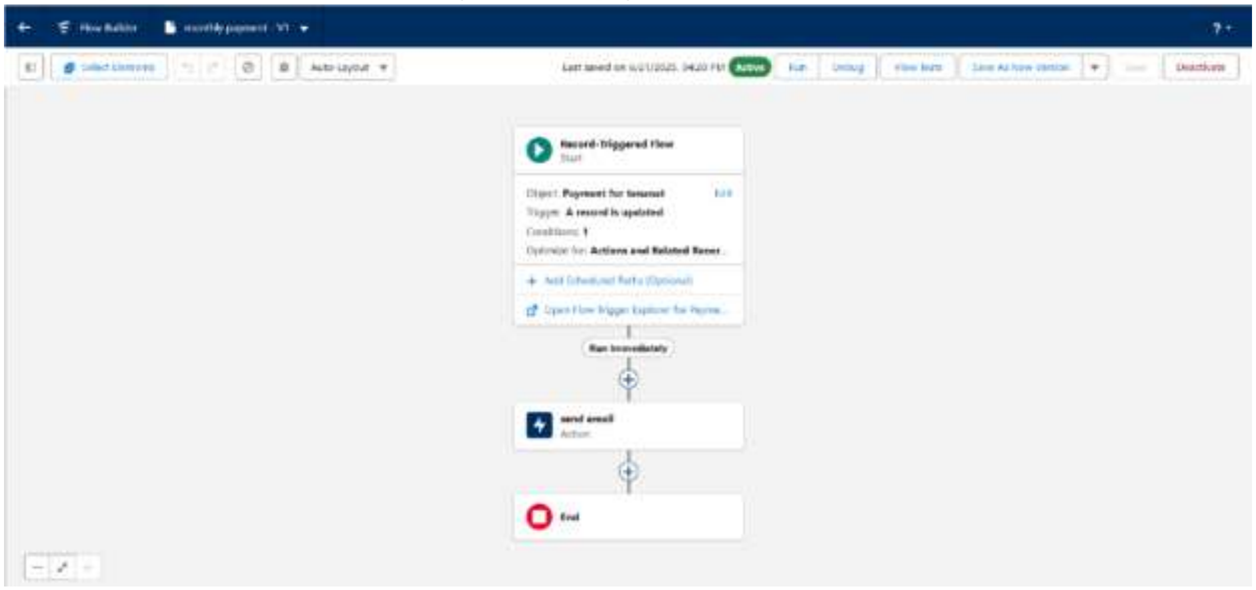
- Analytics Cloud Integration User
- Analytics Cloud Security User
- Anypoint Integration
- Authenticated Website
- Authenticated Website
- B2B Reordering Portal Buyer Profile
- Contract Manager
- Custom: Marketing Profile
- Custom: Sales Profile
- Custom: Support Profile
- Customer Community Login User

Selected Profiles

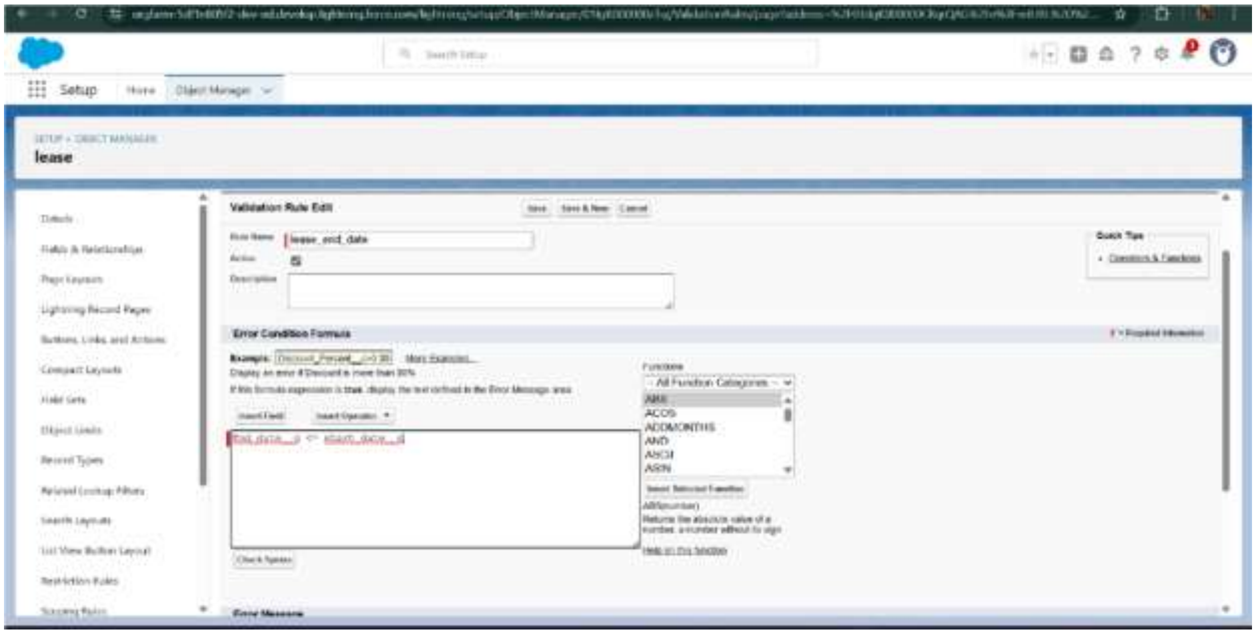
- System Administrator



- Implemented Flows for monthly rent and payment success



- To create a validation rule to a Lease Object



Validation Rule Edit

Rule Name: lease_end_date

Active: ✓

Description:

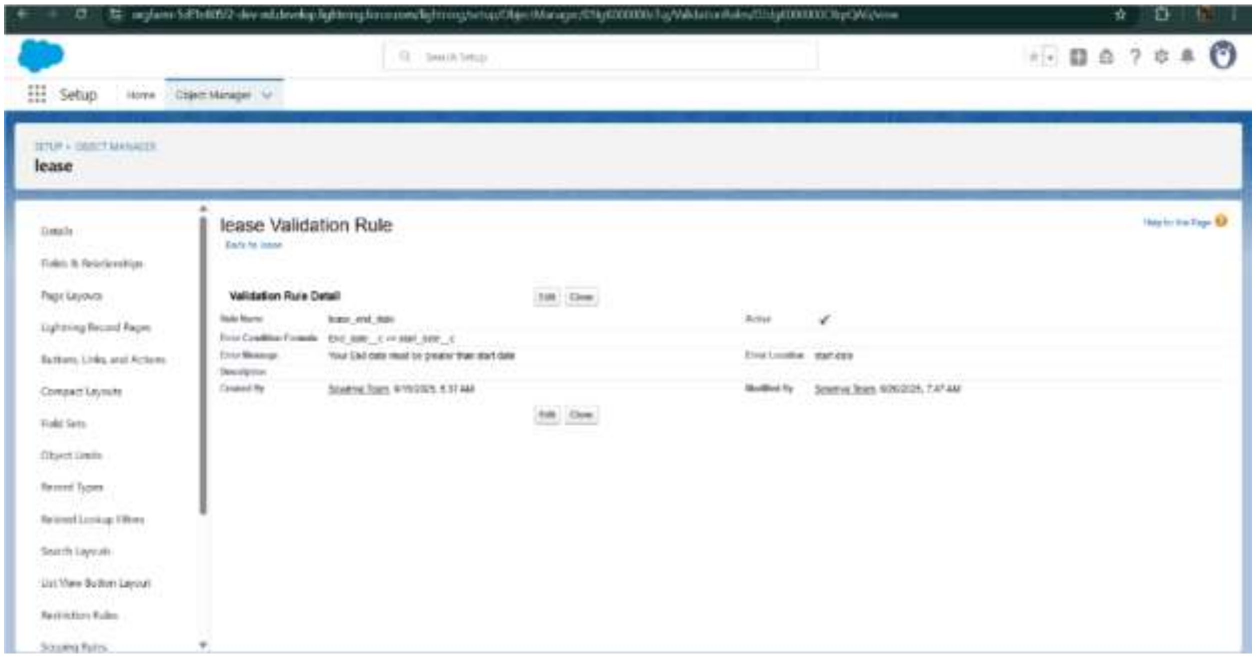
Error Condition Formula

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
```

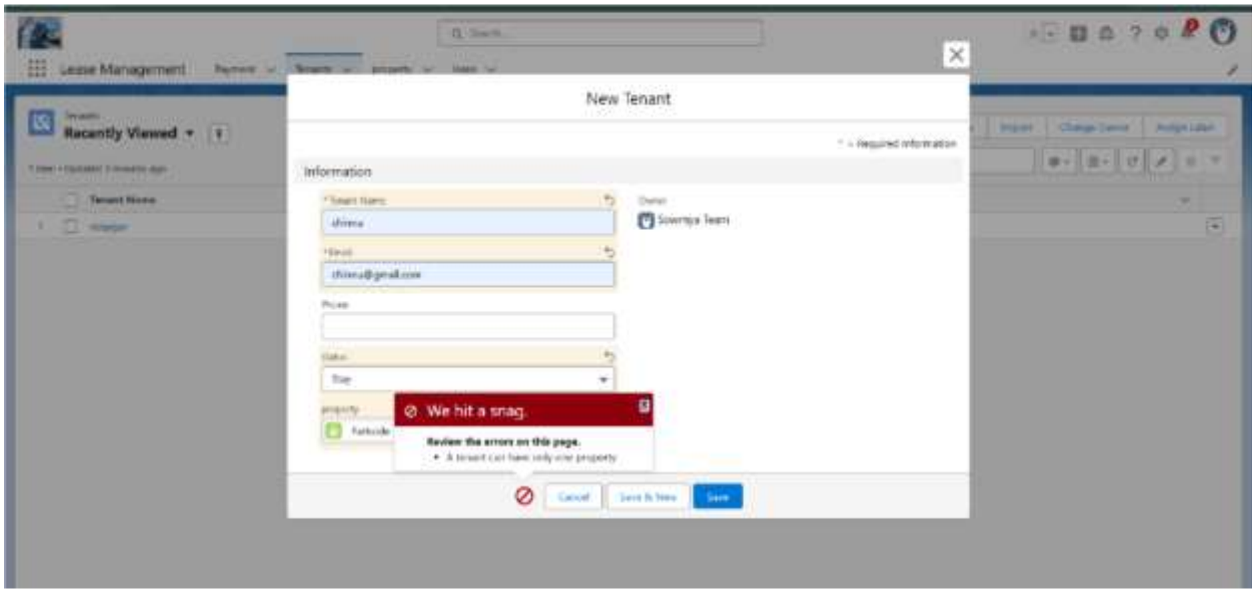


lease Validation Rule

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: dhivna

*Email: dhivna@gmail.com

Phone:

Status: Stay

property: Parkside

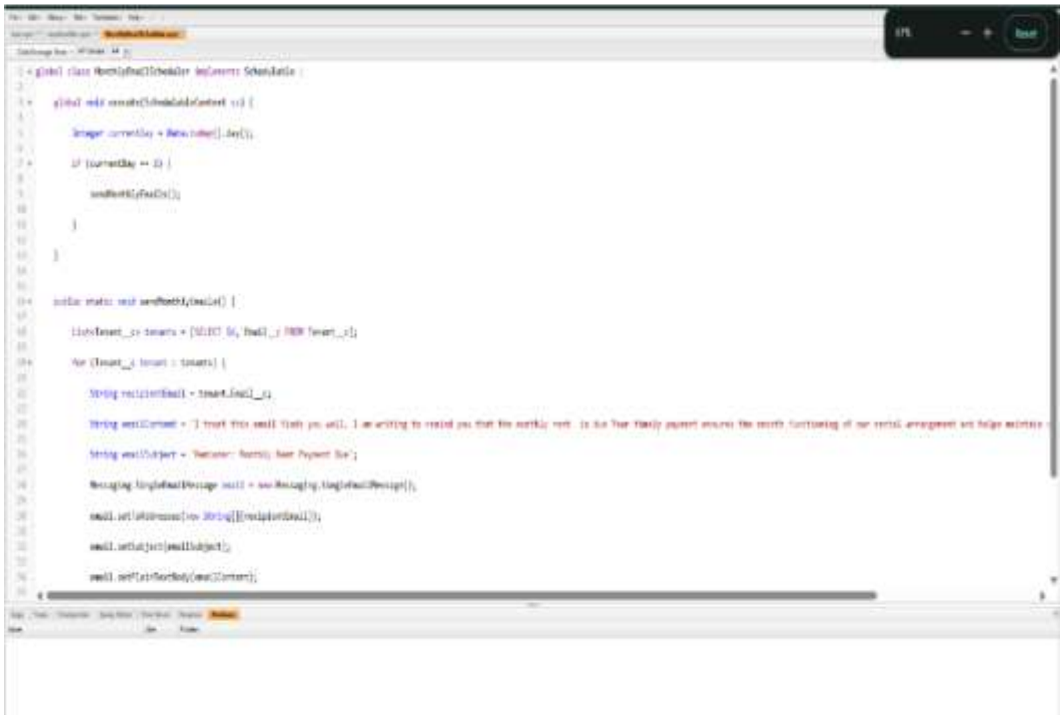
Owner: Sowmya Team

We hit a snag.

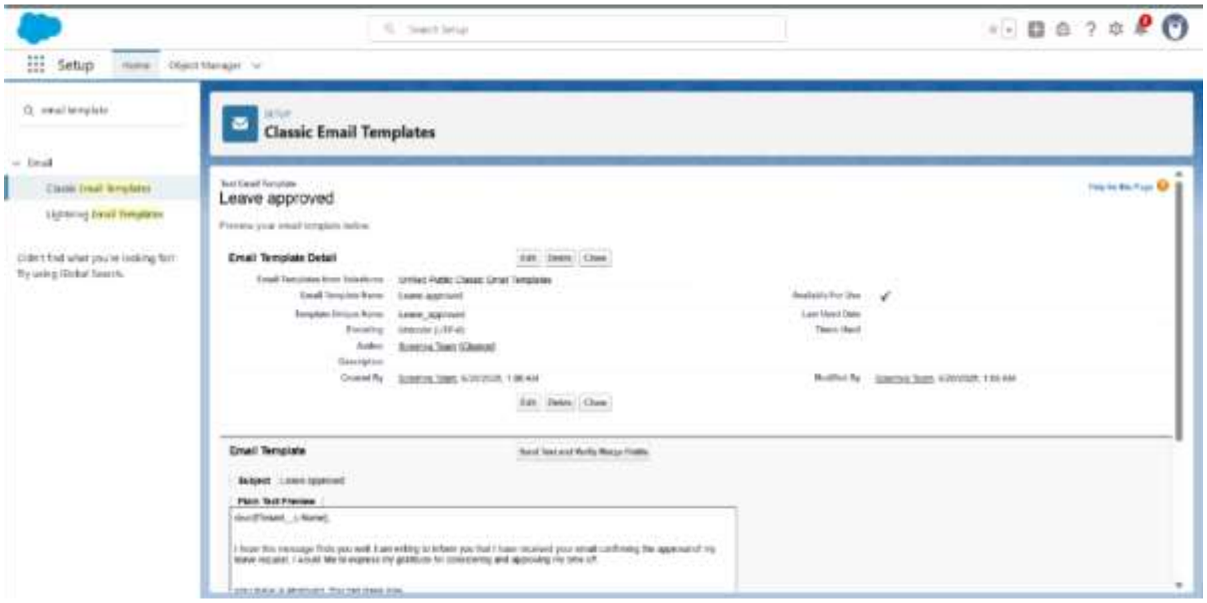
Review the errors on this page.

- 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



Setup | Home | Object Manager

email template

Email
Classic Email Templates
Lightning Email Templates

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

SETUP
Classic Email Templates

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	[illegible]		
Description			
Created By	[illegible], 6/20/2025, 1:06 AM	Modified By	[illegible], 6/20/2025, 1:06 AM

Email Template

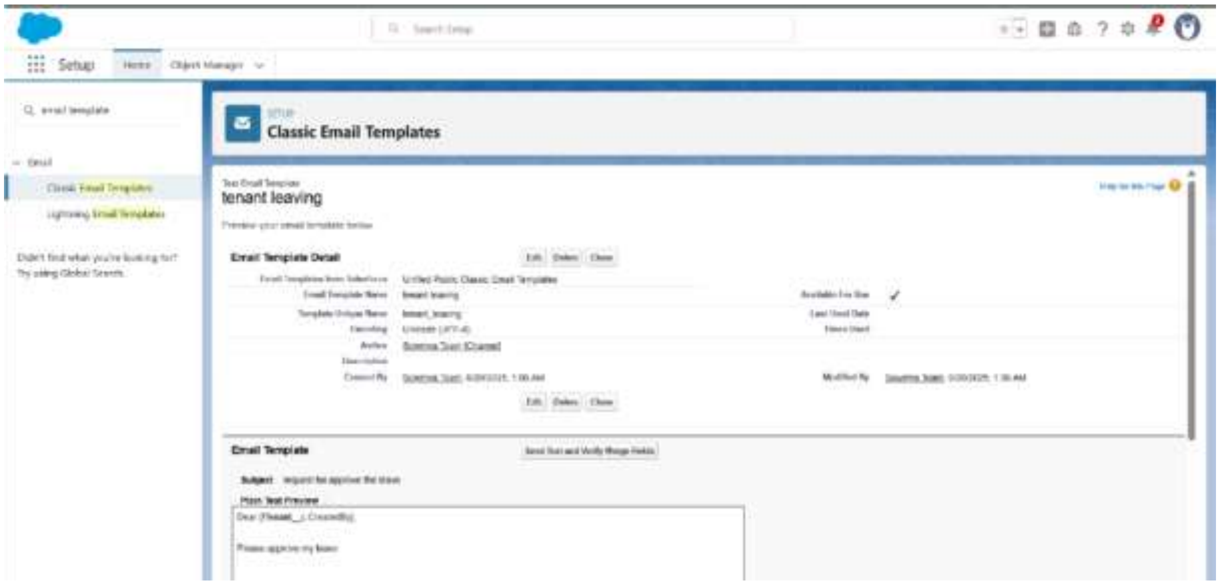
Subject Leave approved

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.

[illegible]



Setup | Home | Object Manager

email template

Email
Classic Email Templates
Lightning Email Templates

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

SETUP
Classic Email Templates

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	[illegible]		
Description			
Created By	[illegible], 6/20/2025, 1:06 AM	Modified By	[illegible], 6/20/2025, 1:06 AM

Email Template

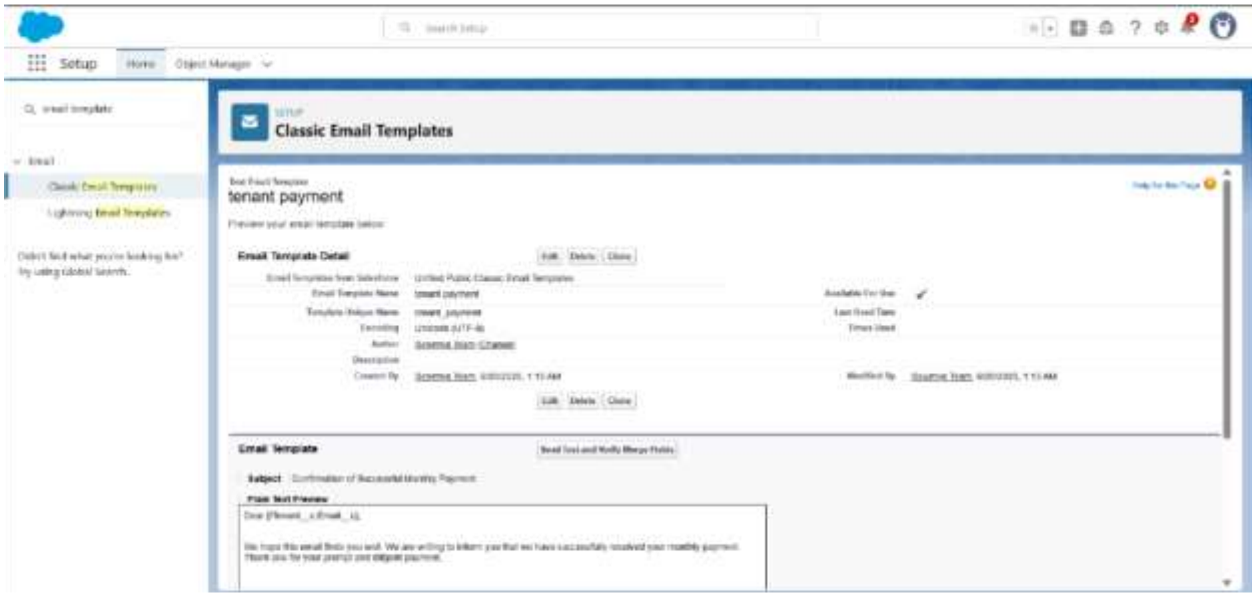
Subject request for approve the leave

Plain Text Preview

Dear {!Tenant__c.CreatedBy},

Please approve my leave

cmaii Tempas



Classic Email Templates

tenant payment

Preview your email template below:

Email Template Detail

Email Template Name	tenant payment
Template Unique Name	tenant_payment
Encoding	Unicode (UTF-8)
Available For Use	✓

Email Template

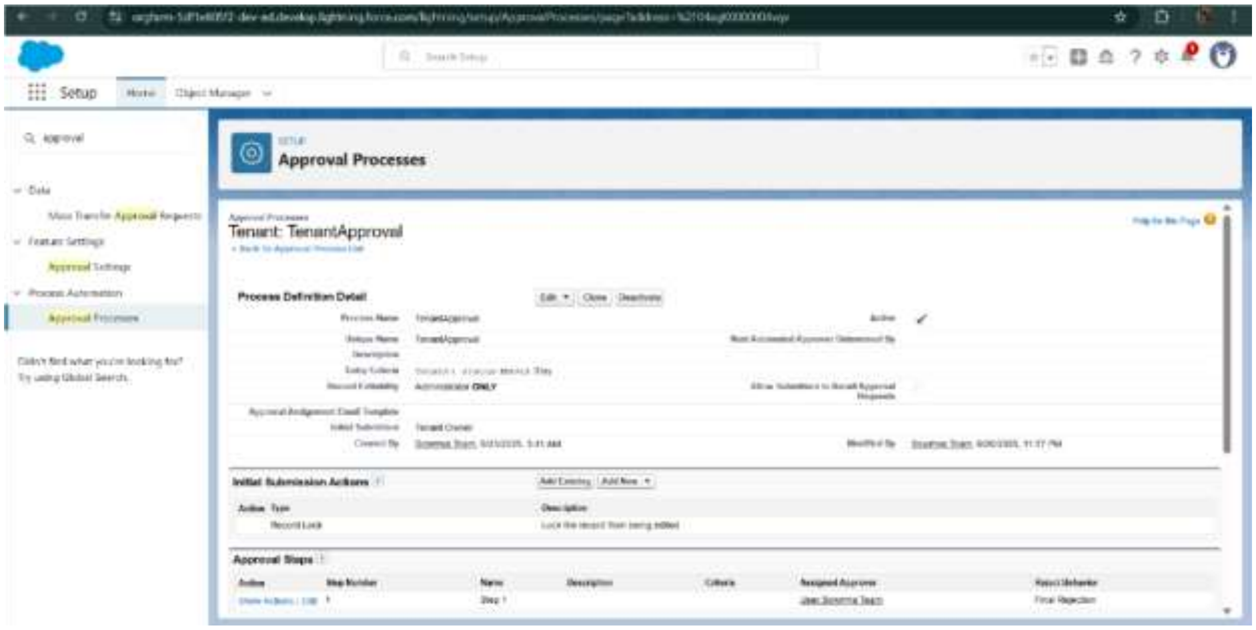
Subject Confirmation of Successful Monthly Payment

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
Unique Name	TenantApproval
Record Editability	Administrator ONLY
Initial Submitters	Tenant Owner
Active	✓

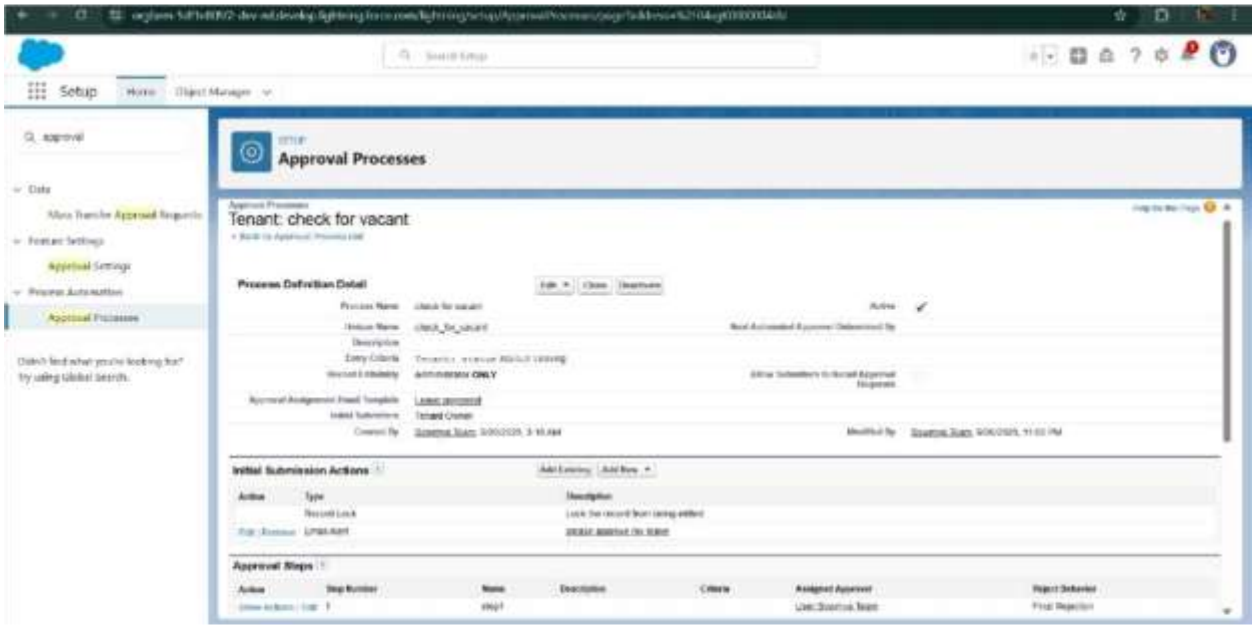
Initial Submission Actions

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			[illegible]	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	[illegible]	
Description			
Entry Criteria	[illegible]		
Record Editability	Administrator ONLY	[illegible]	
Approval Assignment Email Template	[illegible]		
Initial Submitters	Tenant Owner		
Created By	[illegible]	Modified By	[illegible]

Initial Submission Actions

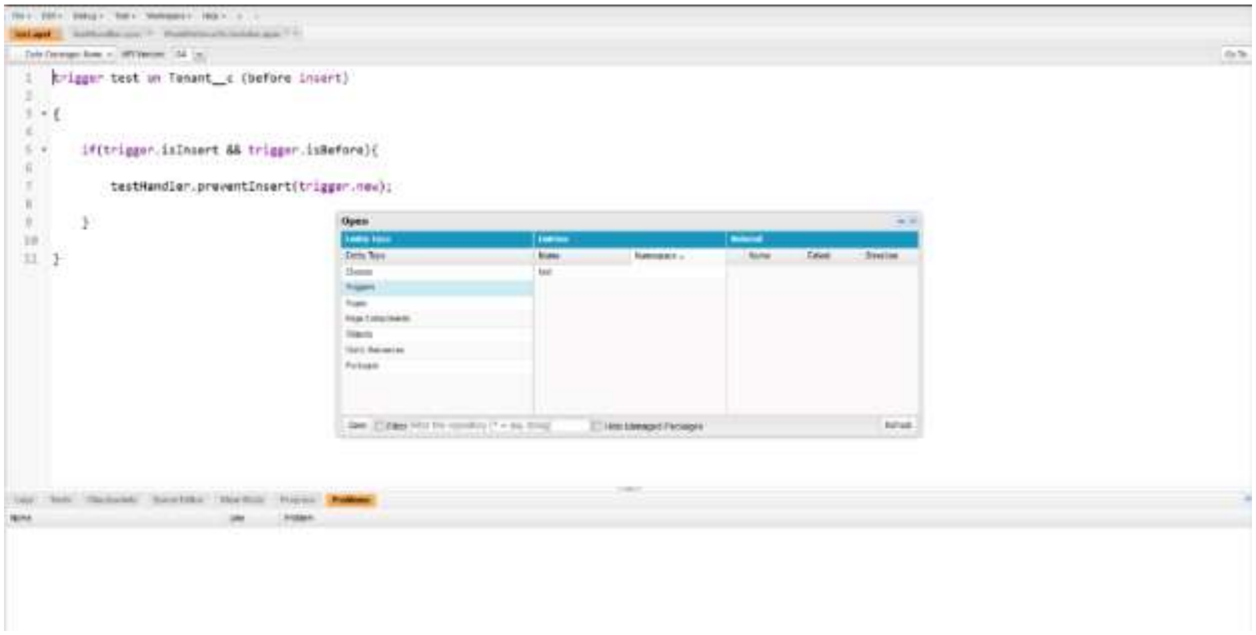
Action	Type	Description
	Record Lock	Lock the record from being edited
Edit | Remove	Email Alert	[illegible]

Approval Steps

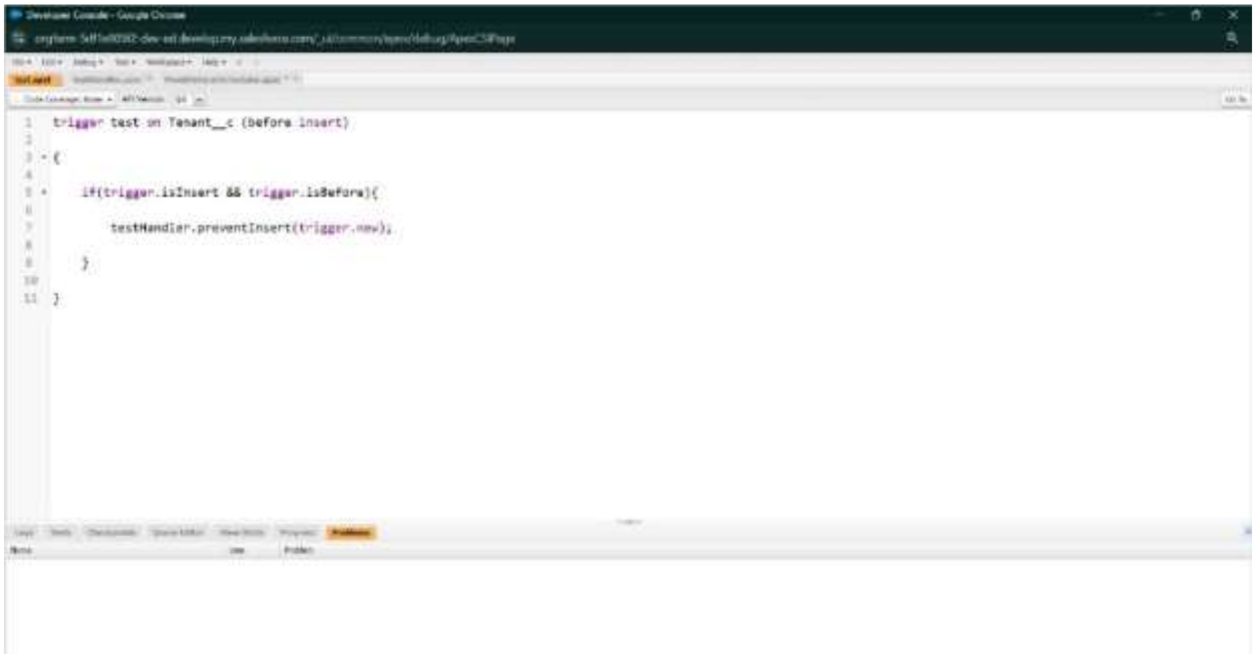
Action	Step Number	Name	Description	Criteria	Assigned Approver	Reject Behavior
Show Actions | Edit	1	step1			[illegible]	Final Rejection

- Apex Trigger

Create an Apex Trigger

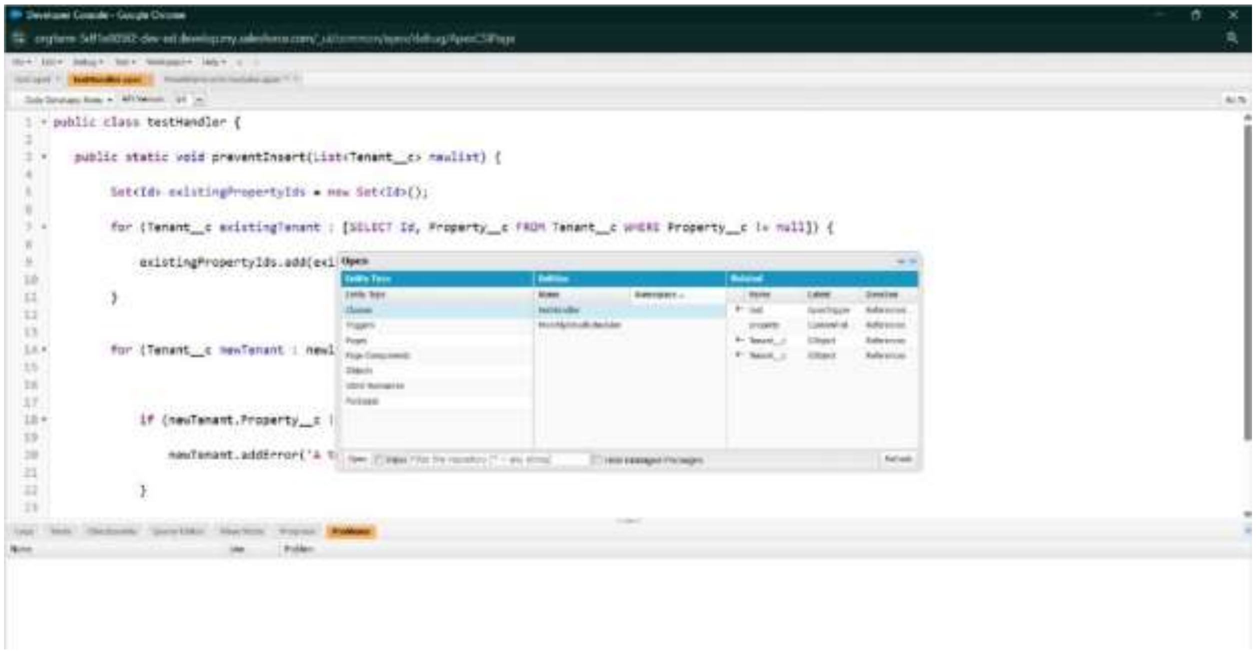


```
trigger test on Tenant__c (before insert)

{

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

        testHandler.preventInsert(trigger.new);

    }

}
```

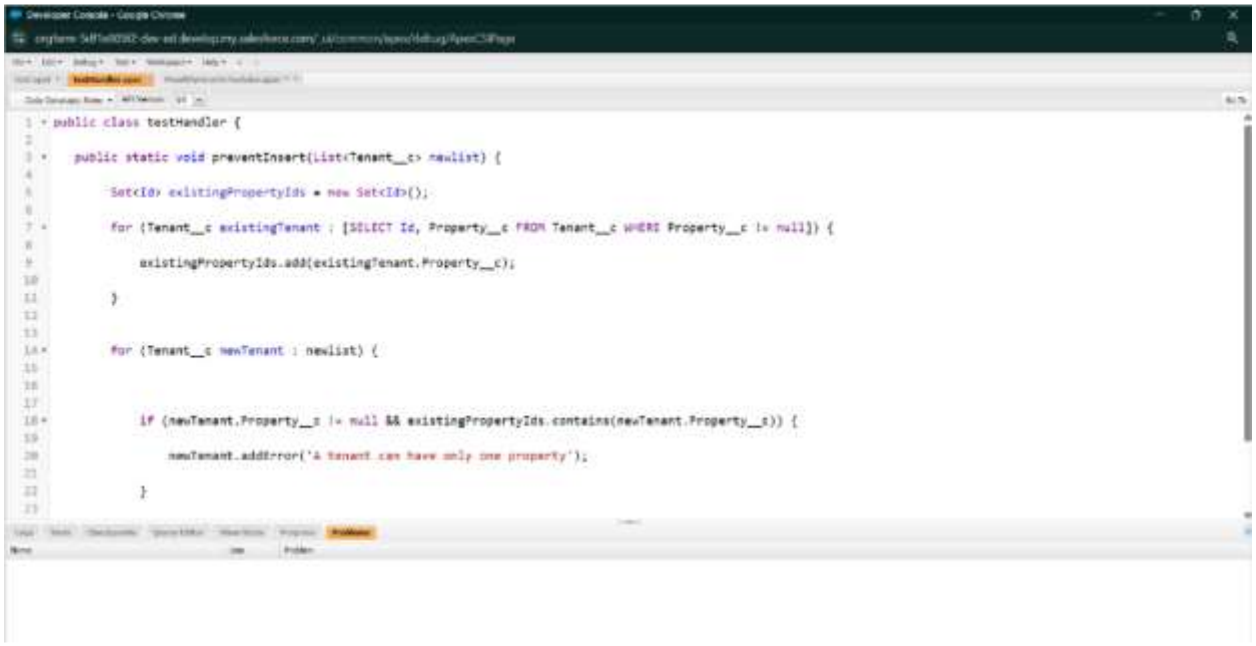


```
trigger test on Tenant__c (before insert)

{

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

        testHandler.preventInsert(trigger.new);

    }

}
```

Create an Apex Handler class

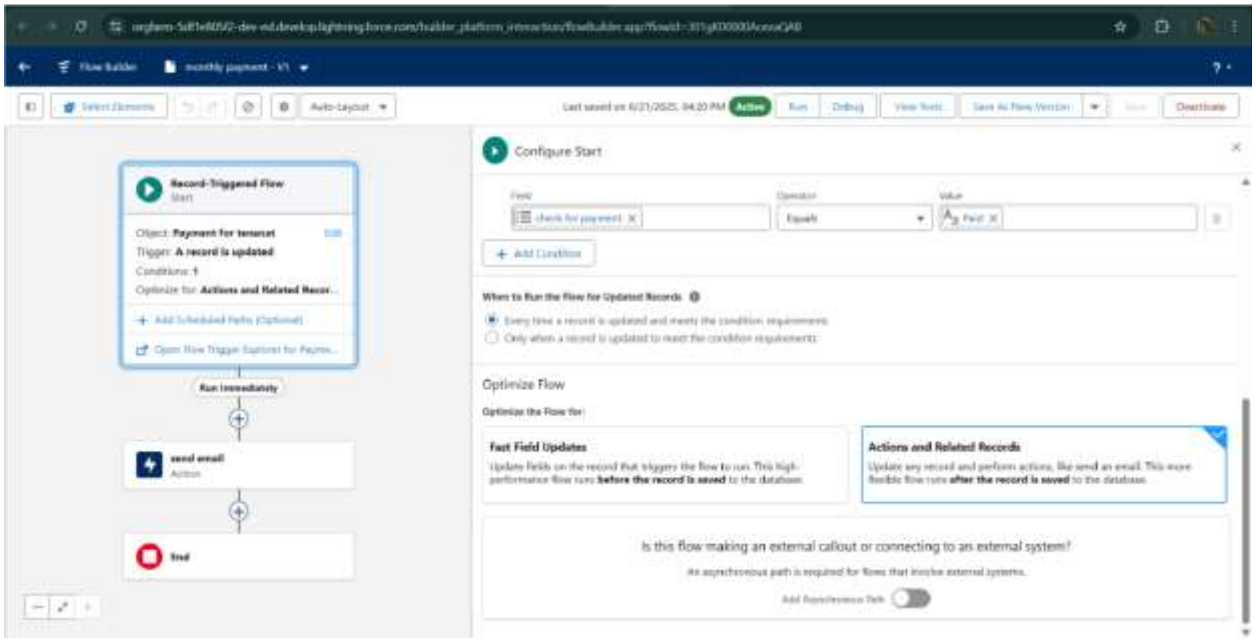


```
public class testHandler {

   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

            }
```



```
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



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

Object: Payment for tenant
Trigger: A record is updated
Conditions: 1
Optimize for: Actions and Related Recor...
Add Scheduled Paths (Optional)
Open Flow Trigger Explorer for Paym...

Configure Start

Field	Operator	Value
check for payment	Equals	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:

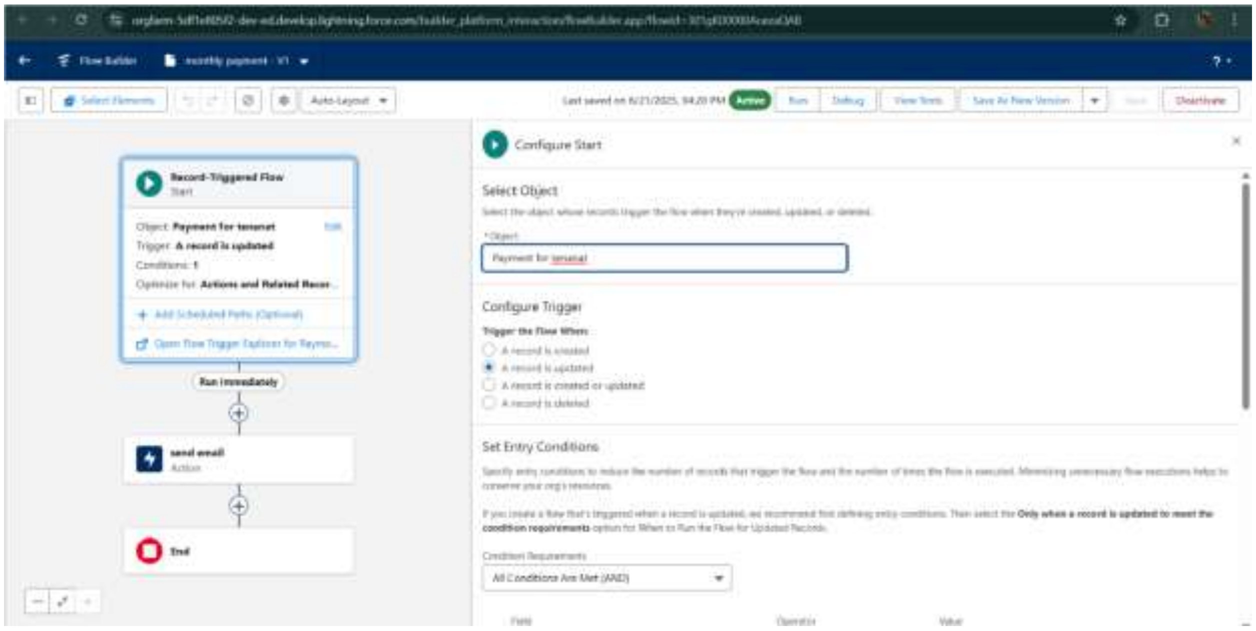
Fast Field Updates
Update fields on the record that triggers the flow to run. This high-performance flow runs **before the record is saved** to the database.

[✓ **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



Object: Payment for tenanat

Trigger: A record is updated

Conditions: 1

Optimize for: Actions and Related Recor...

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

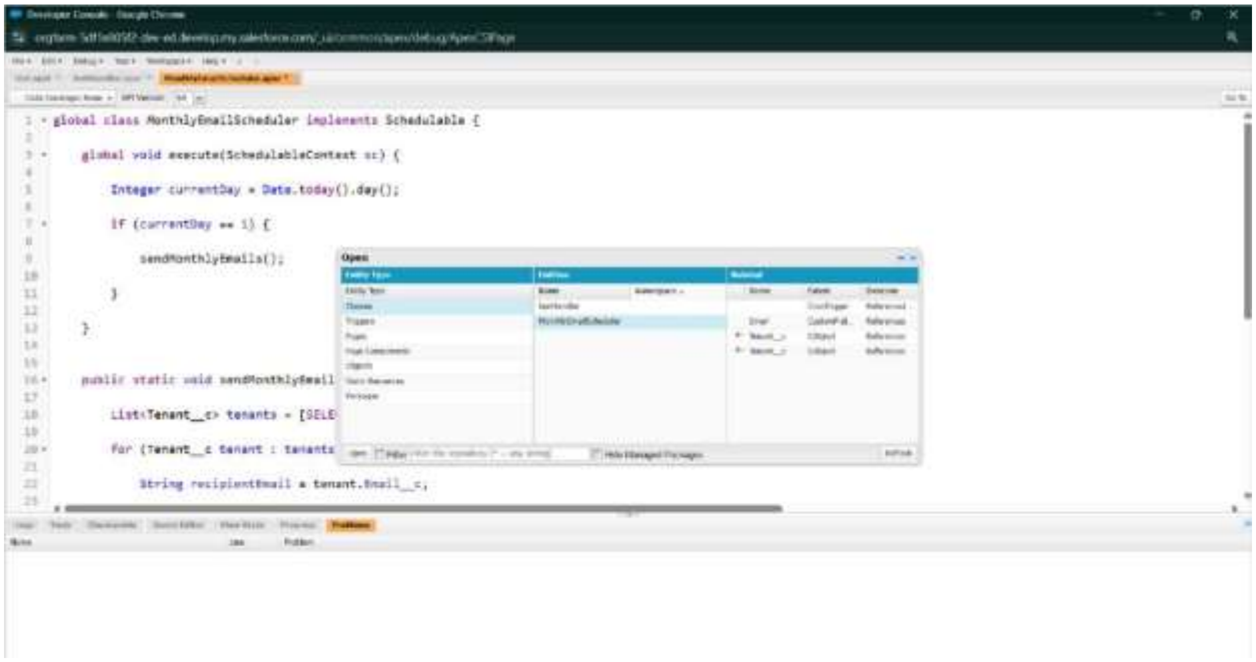
Select the object whose records trigger the flow when they're created, updated, or deleted.

* Object: Payment for tenanat

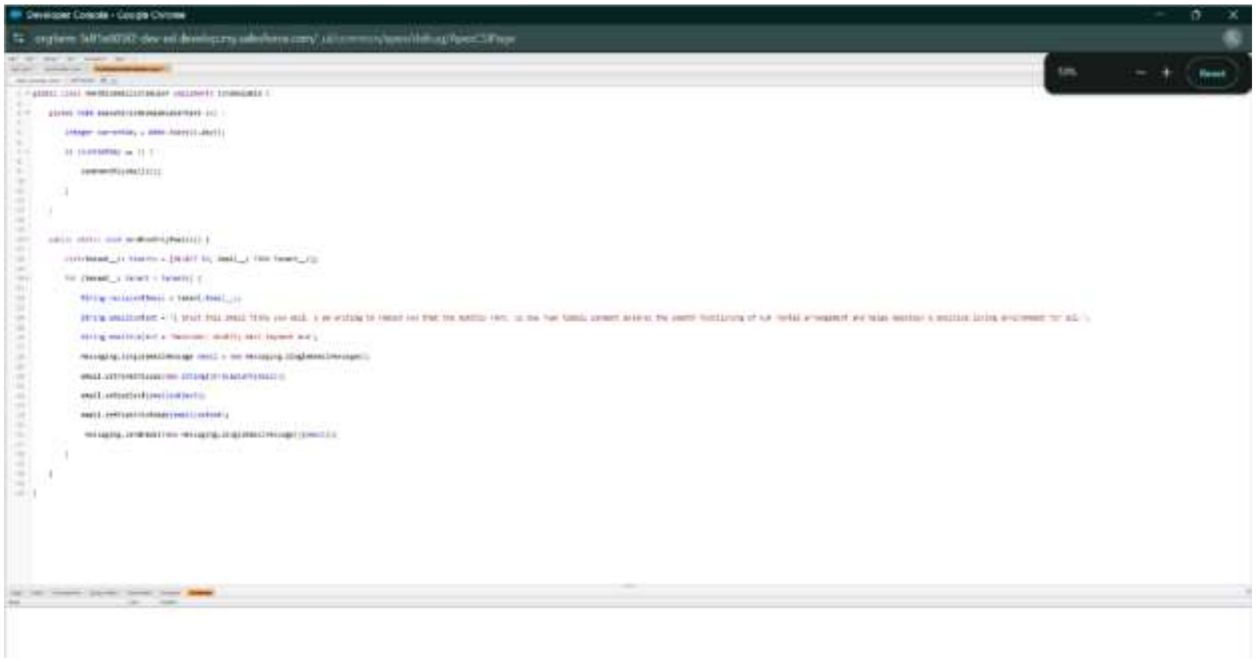
Trigger the Flow When:
- A record is created
- [✓ A record is updated]
- A record is created or updated
- A record is deleted

Condition Requirements: All Conditions Are Met (AND)

- Schedule class:
  Create an Apex Class

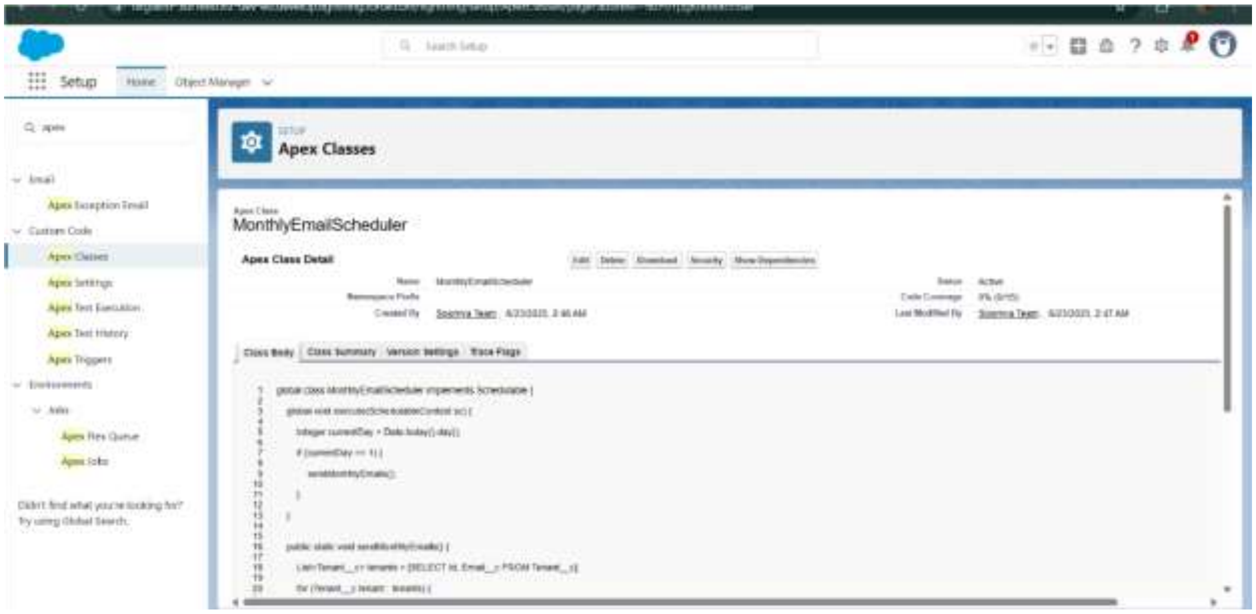


```
global class MonthlyEmailScheduler implements Schedulable {

    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;
```



```
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 [illegible]';

            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

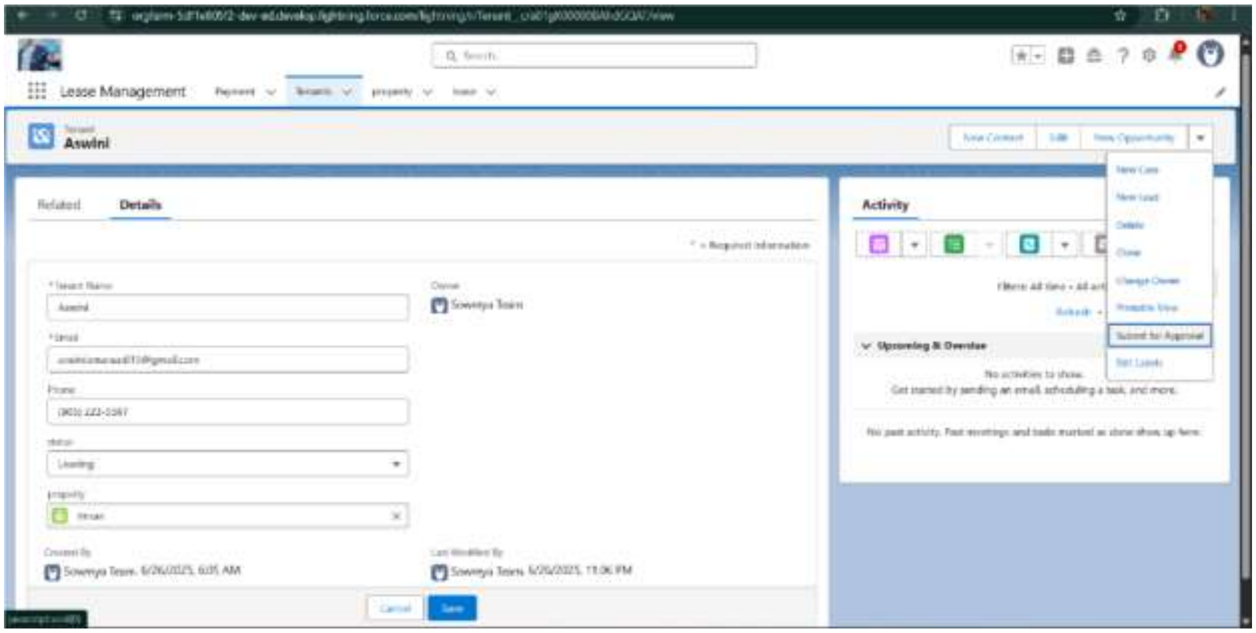


Apex Class
MonthlyEmailScheduler

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
Aswini

* = Required Information

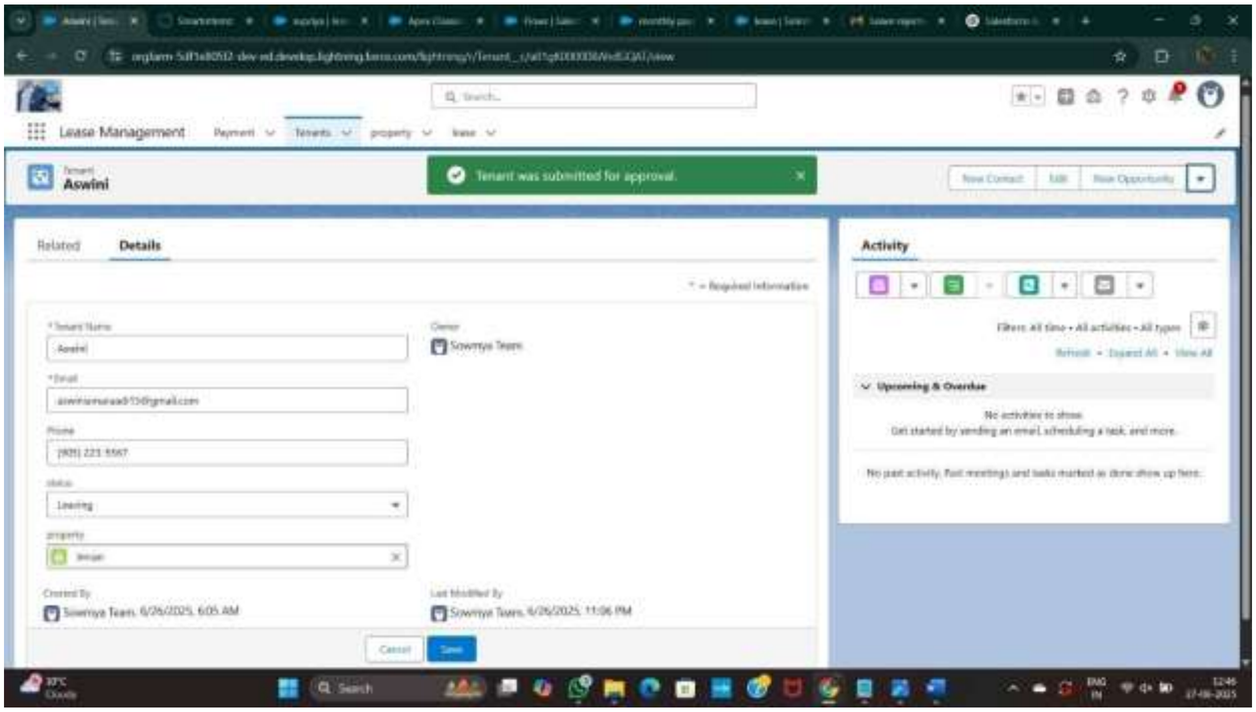
* Tenant Name	Aswini
* Email	aswinimanasa813@gmail.com
Phone	(905) 222-5567
status	Leaving
property	Ilman
Owner	Sowmya Team
Created By	Sowmya Team, 6/26/2025, 6:05 AM
Last Modified By	Sowmya Team, 6/26/2025, 11:06 PM

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.



Tenant was submitted for approval.

Tenant
Aswini

* = Required Information

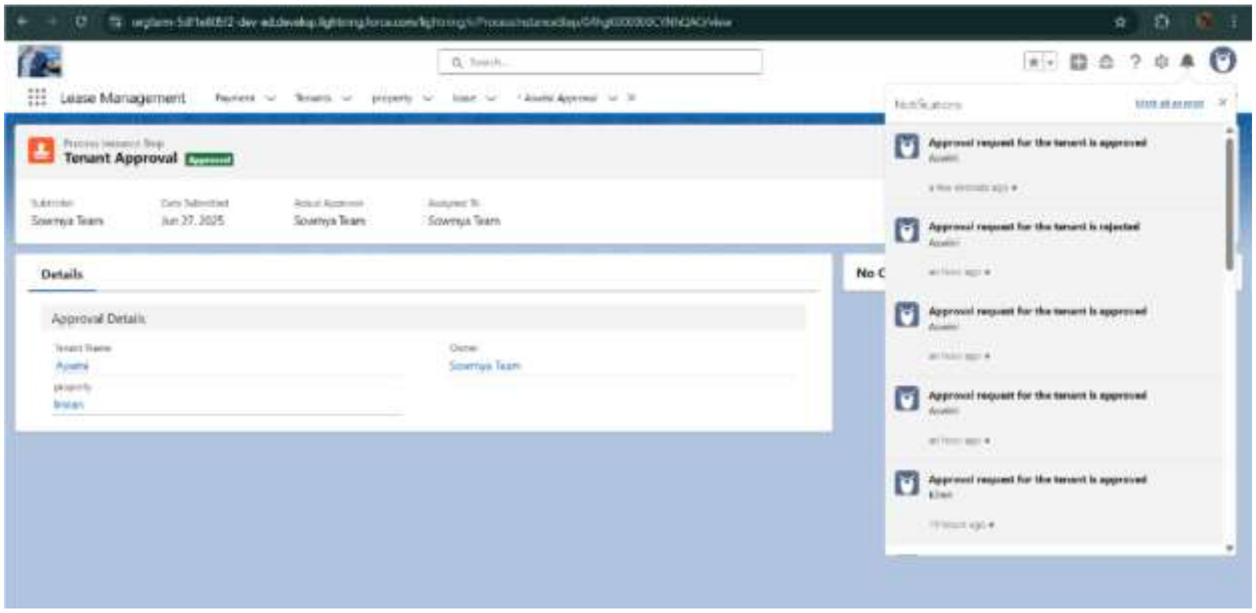
* Tenant Name	Aswini
* Email	aswinimanasa813@gmail.com
Phone	(905) 222-5567
status	Leaving
property	Ilman
Owner	Sowmya Team
Created By	Sowmya Team, 6/26/2025, 6:05 AM
Last Modified By	Sowmya Team, 6/26/2025, 11:06 PM

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: Sowmya Team
Date Submitted: Jun 27, 2025
Actual Approver: Sowmya Team
Assigned To: Sowmya Team

Details

Approval Details

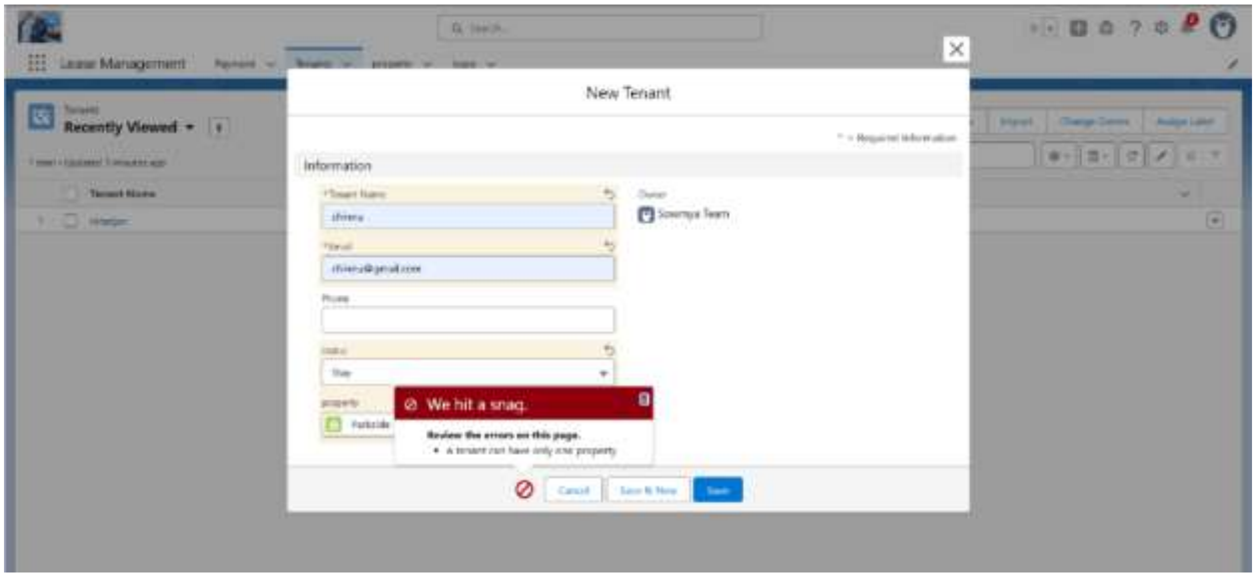
Tenant Name: Ayushi
Owner: Sowmya Team
property: [illegible]

Approval request for the tenant is approved
Approval request for the tenant is rejected
Approval request for the tenant is approved
Approval request for the tenant is approved
Approval request for the tenant is approved

FUNCTIONAL AND PERFORMANCE TESTING

Performance Testing

- Trigger validation by entering duplicate tenant-property records


New Tenant

Information

*Tenant Name: shivera

*Email: shivera@gmail.com

Phone:

Status: Stay

property: Parkside

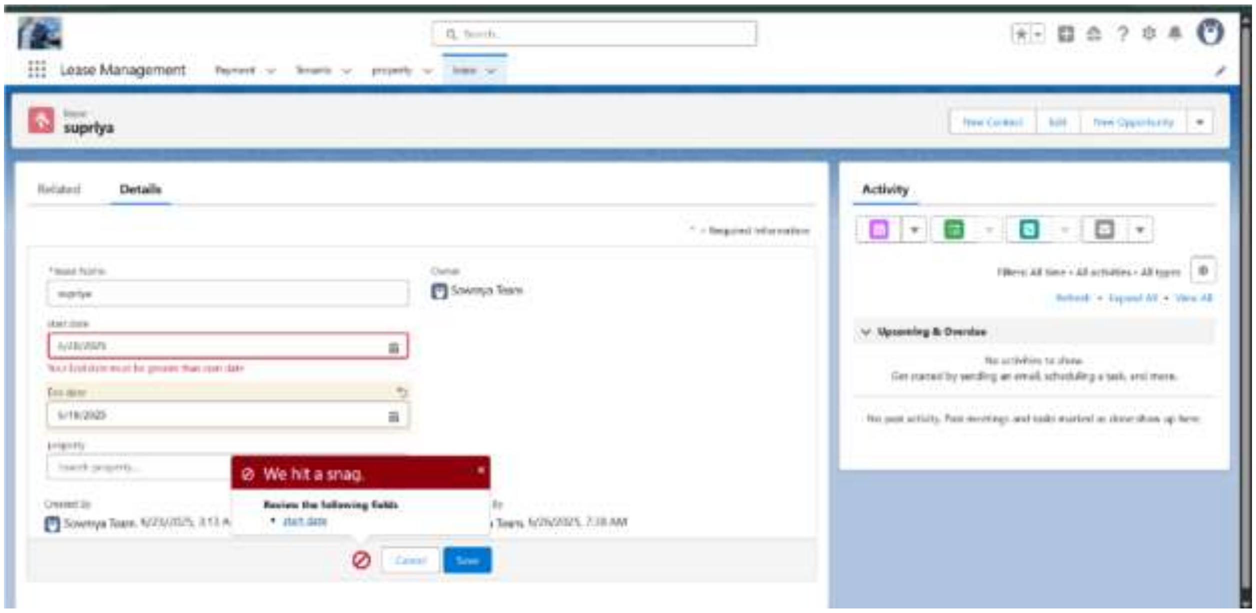
Owner: Sowmya Team

We hit a snag.

Review the errors on this page.

- A tenant can have only one property

- Validation Rule checking


suprîya

*lease Name: supriya

start date: 6/28/2025

Your End date must be greater than start date

End date: 6/18/2025

Owner: Sowmya Team

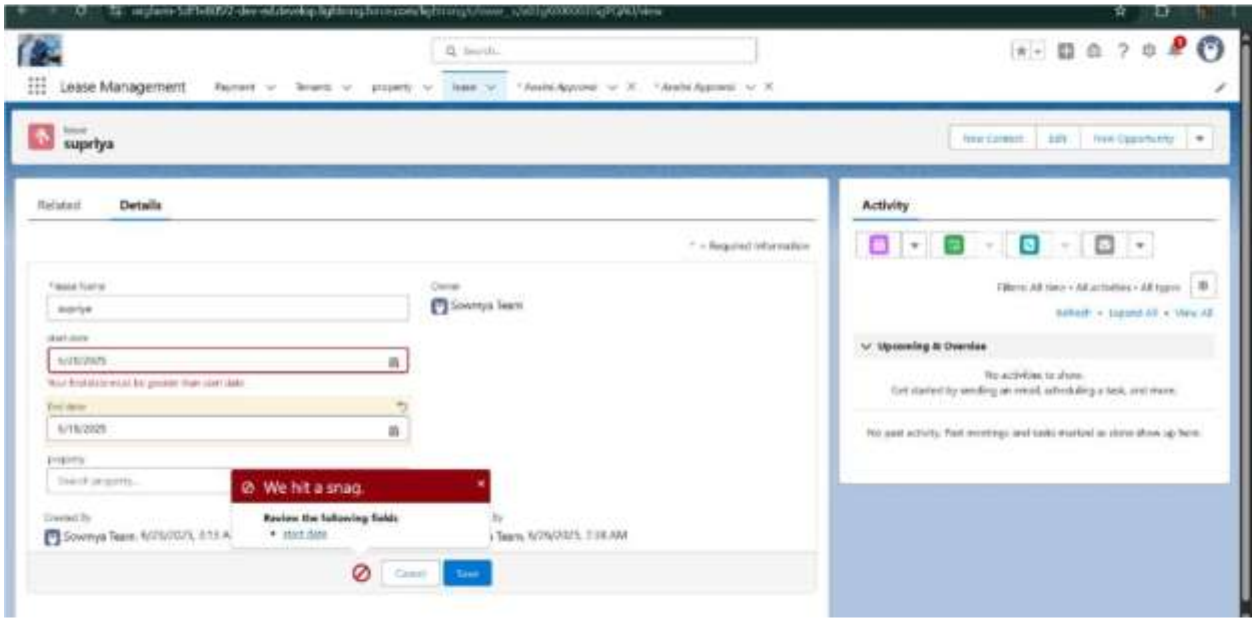
Created By: Sowmya Team, 6/23/2025, 3:13 A

Last Modified By: Sowmya Team, 6/26/2025, 7:38 AM

We hit a snag.

Review the following fields

- start date



supriya

*lease Name: supriya

Owner: Sowmya Team

start date: 6/25/2025

Your End date must be greater than start date

End date: 6/19/2025

property: Search properties...

Created By: Sowmya Team, 6/26/2025, 3:13 A

Sowmya Team, 6/26/2025, 3:38 AM

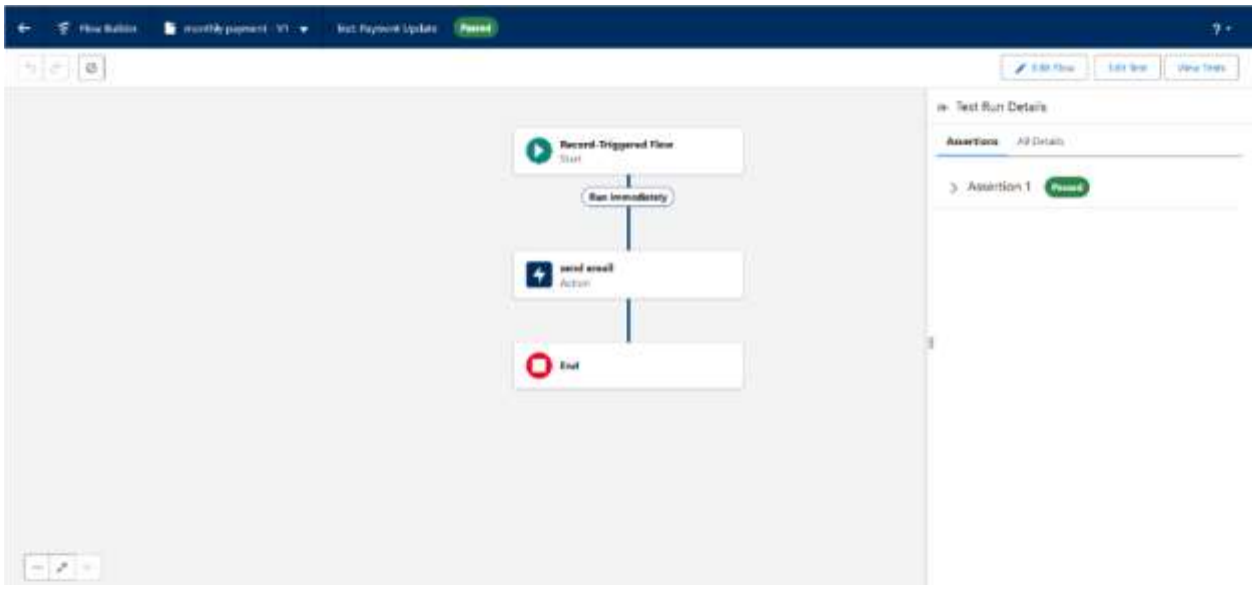
We hit a snag.

Review the following fields
- start date

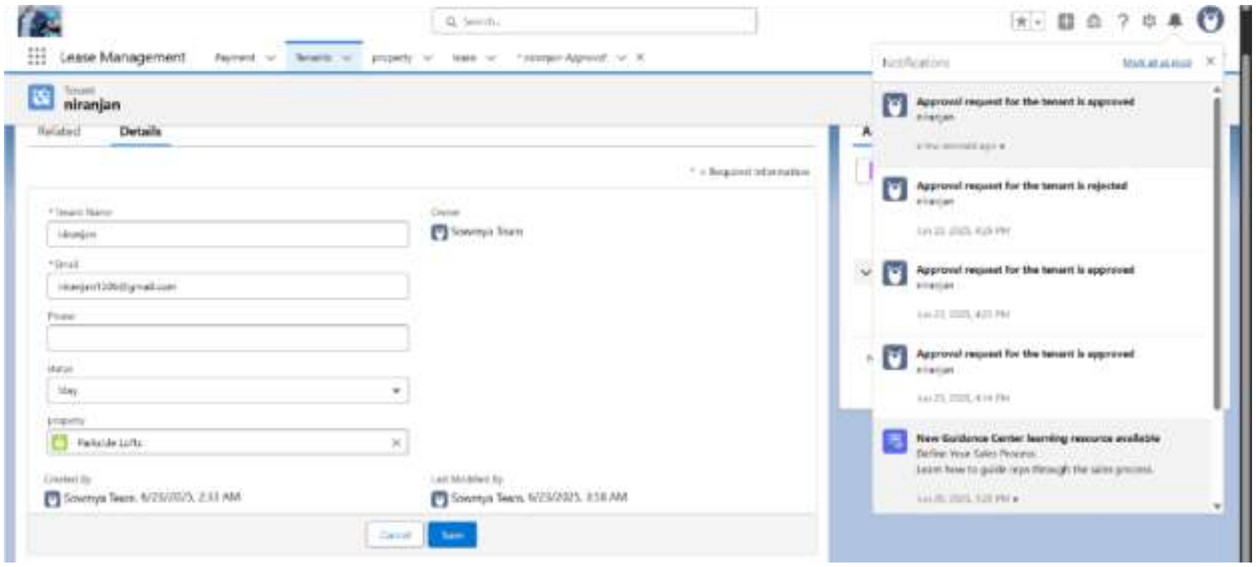
No activities to show.
Get started by sending an email, scheduling a task, and more.

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

- Test flows on payment update



- Approval process validated through email alerts and status updates



Tenant
niranjan

* = Required Information

* Tenant Name: niranjan	Owner: Sowmya Team
* Email: niranjan1206@gmail.com	
Phone:	
status: Stay	
property: Parkside Lofts	
Created By: Sowmya Team, 6/23/2025, 2:33 AM	Last Modified By: Sowmya Team, 6/23/2025, 3:58 AM

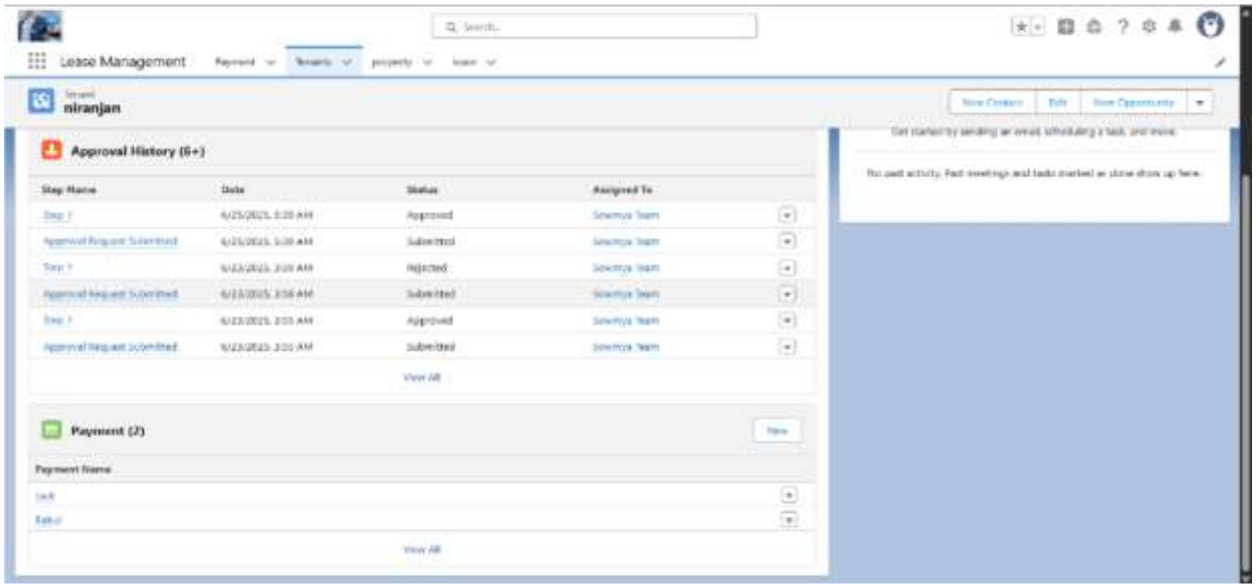
Approval request for the tenant is approved
niranjan
a few seconds ago

Approval request for the tenant is rejected
niranjan
Jun 23, 2025, 4:20 PM

Approval request for the tenant is approved
niranjan
Jun 23, 2025, 4:21 PM

Approval request for the tenant is approved
niranjan
Jun 23, 2025, 4:14 PM

New Guidance Center learning resource available
Define Your Sales Process
Learn how to guide reps through the sales process.
Jun 20, 2025, 5:20 PM



Tenant
niranjan

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 History (6+)

Step Name	Date	Status	Assigned To
Step 1	6/25/2025, 5:20 AM	Approved	Sowmya Team
Approval Request Submitted	6/25/2025, 5:20 AM	Submitted	Sowmya Team
Step 1	6/23/2025, 3:20 AM	Rejected	Sowmya Team
Approval Request Submitted	6/23/2025, 3:58 AM	Submitted	Sowmya Team
Step 1	6/23/2025, 3:33 AM	Approved	Sowmya Team
Approval Request Submitted	6/23/2025, 3:31 AM	Submitted	Sowmya Team

View All

Payment (2)

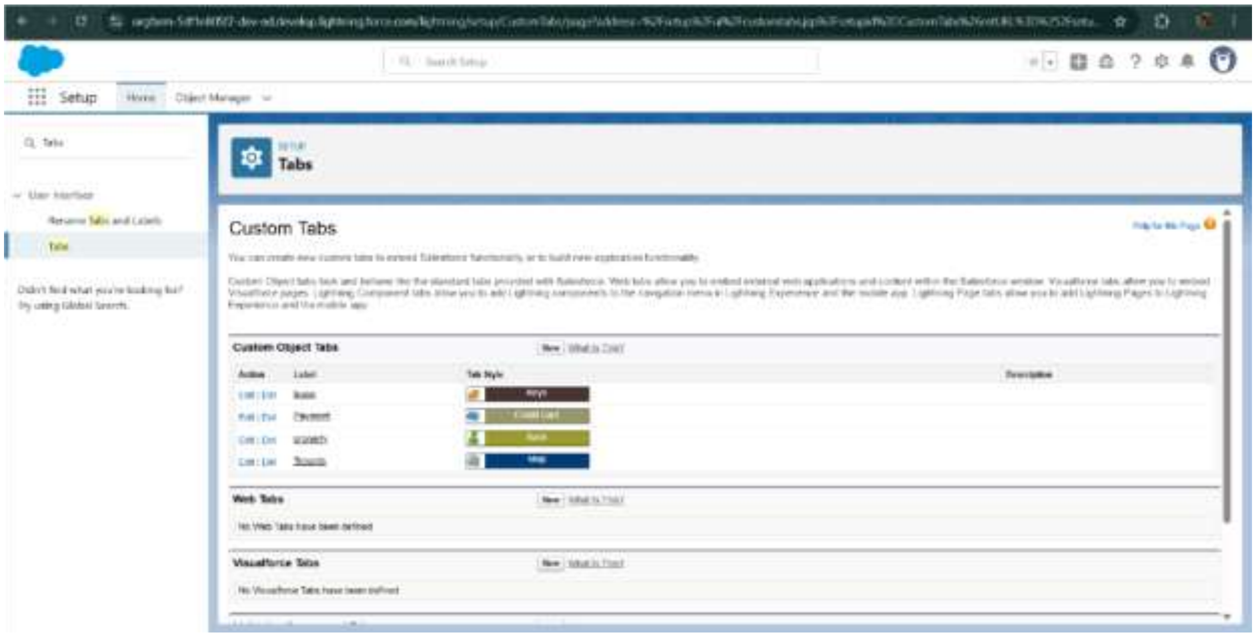
Payment Name
Jack
Rahul

View All

RESULTS

Output Screenshots

- Tabs for Property, Tenant, Lease, Payment



Custom Tabs

[illegible]

Custom Object Tabs

Action	Label	Tab Style	Description
Edit | Del	lease	Keys	
Edit | Del	Payment	Credit Card	
Edit | Del	property	Bank	
Edit | Del	Tenants	Map	

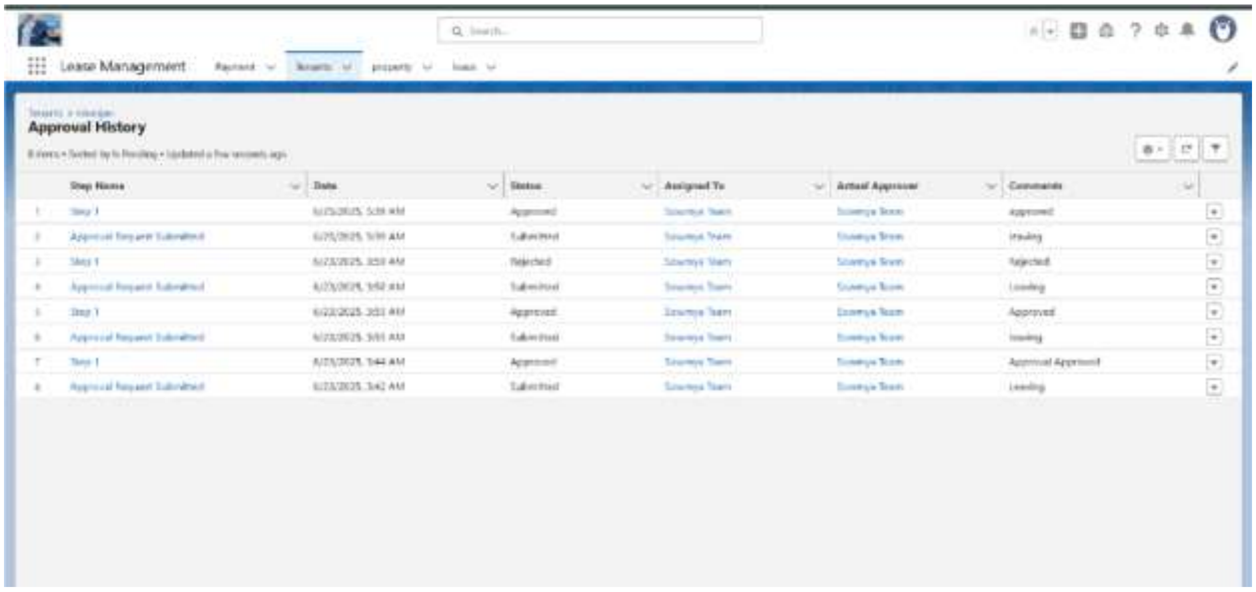
Web Tabs

No Web Tabs have been defined

Visualforce Tabs

No Visualforce Tabs have been defined

- Email alerts

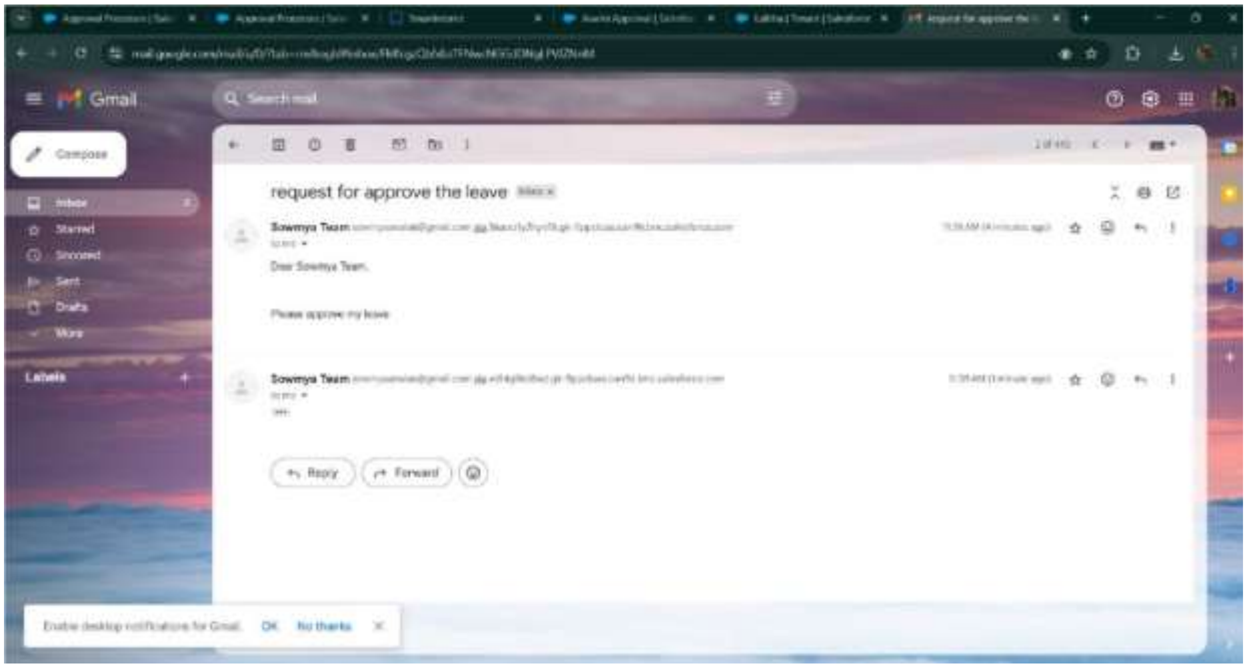


Lease Management

Approval History

	Step Name	Date	Status	Assigned To	Actual Approver	Comments
1	Step 1	6/25/2025, 5:39 AM	Approved	Sowmya Team	Sowmya Team	approved
2	Approval Request Submitted	6/25/2025, 5:39 AM	Submitted	Sowmya Team	Sowmya Team	leading
3	Step 1	6/23/2025, 3:53 AM	Rejected	Sowmya Team	Sowmya Team	Rejected
4	Approval Request Submitted	6/23/2025, 3:52 AM	Submitted	Sowmya Team	Sowmya Team	Leading
5	Step 1	6/23/2025, 3:53 AM	Approved	Sowmya Team	Sowmya Team	Approved
6	Approval Request Submitted	6/23/2025, 3:51 AM	Submitted	Sowmya Team	Sowmya Team	leading
7	Step 1	6/23/2025, 3:44 AM	Approved	Sowmya Team	Sowmya Team	Approval Approved
8	Approval Request Submitted	6/23/2025, 3:42 AM	Submitted	Sowmya Team	Sowmya Team	Leading

- Request for approve the leave


request for approve the leave

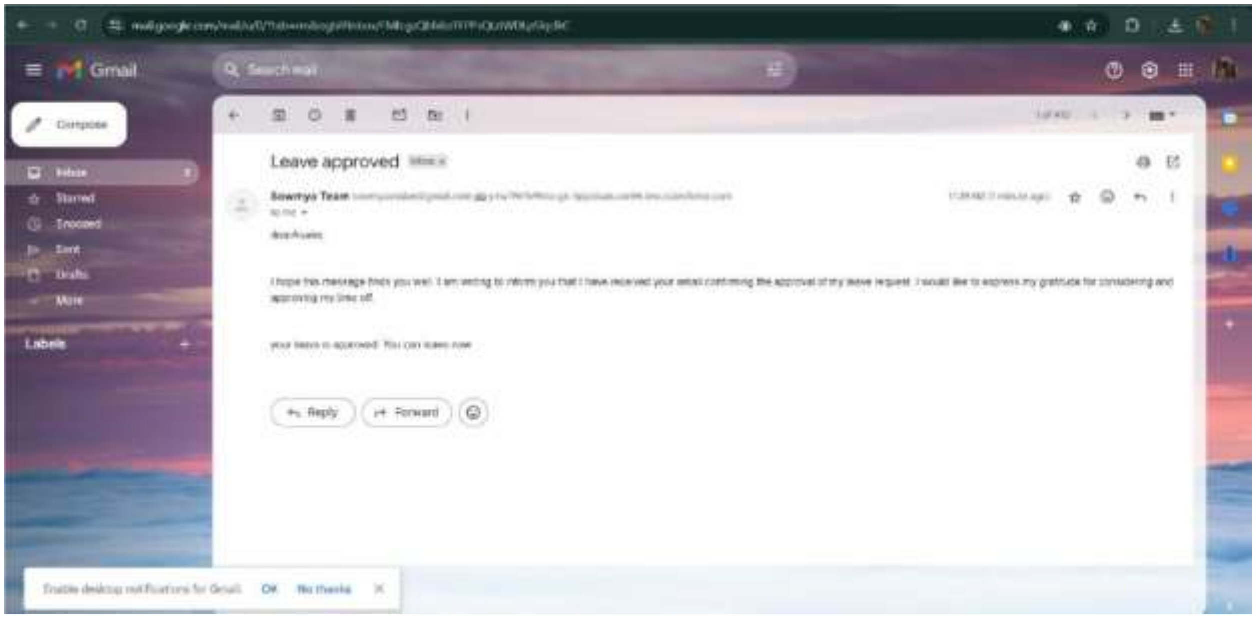
Sowmya Team [illegible]

Dear Sowmya Team,

Please approve my leave

Sowmya Team [illegible]

- Leave approved


Leave approved

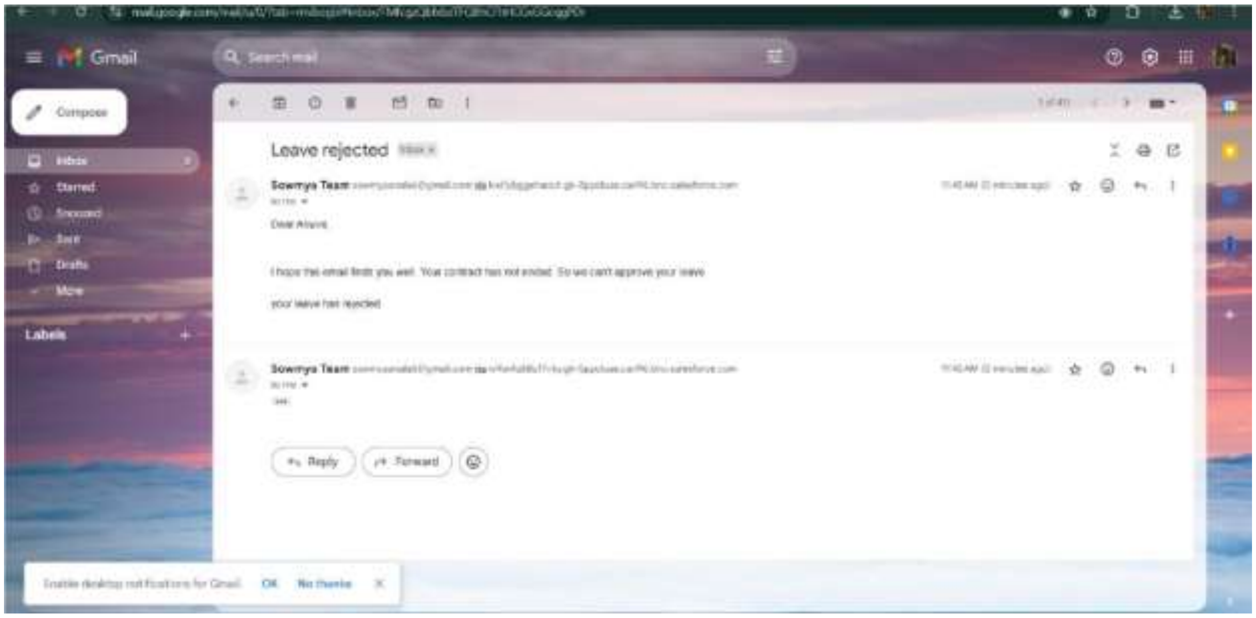
Sowmya Team [illegible]

dear Aswini

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

Sowmya Team

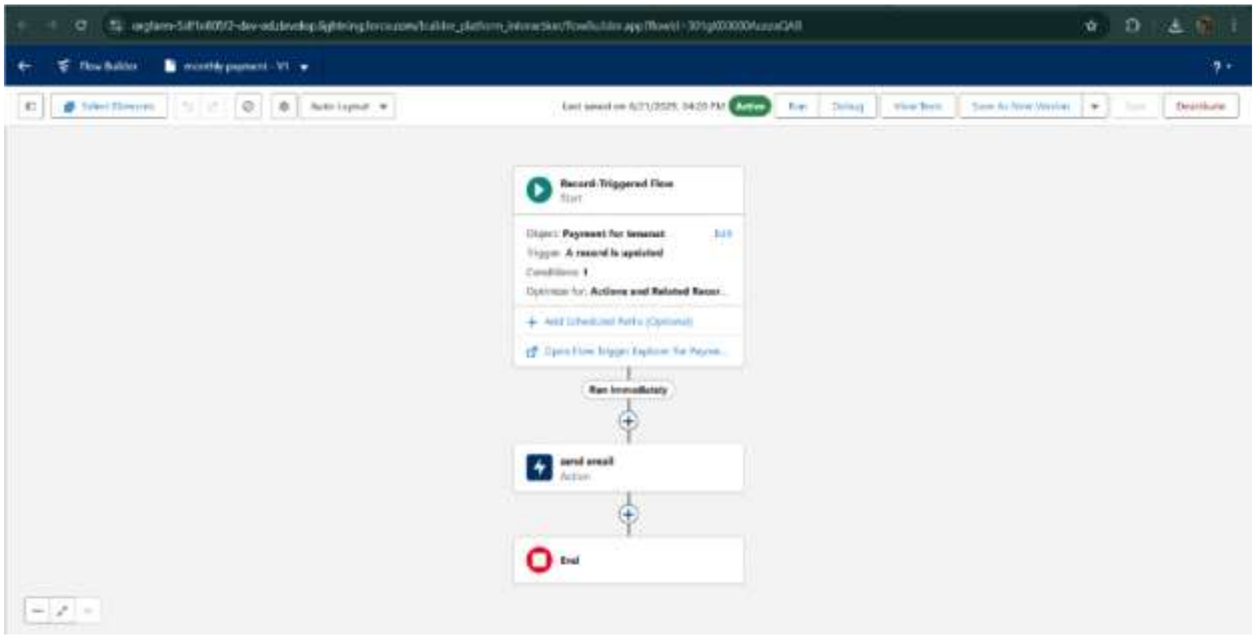
Dear Aliyah

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

your leave has rejected

Sowmya Team

- Flow runs



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

Record-Triggered Flow
Start

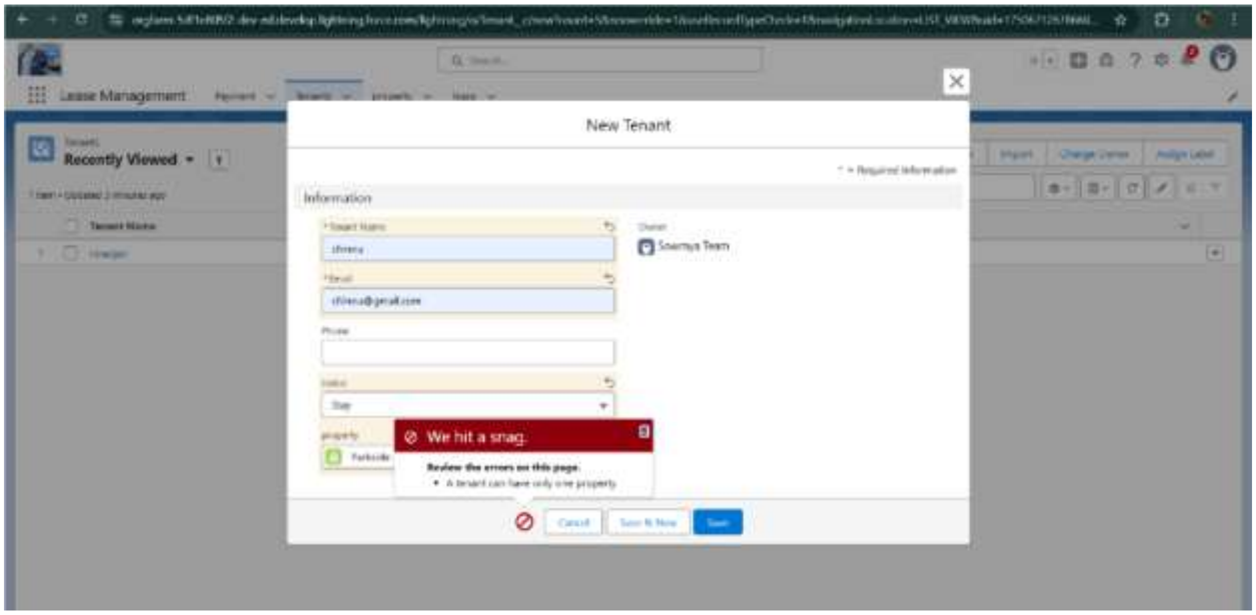
Object: Payment for tenanat
Trigger: A record is updated
Conditions: 1
Optimize for: Actions and Related Recor...

Add Scheduled Paths (Optional)
Open Flow Trigger Explorer for Payme...

send email
Action

End

- Trigger error messages


New Tenant

* = Required Information

Information

*Tenant Name: shreya

*Email: shreya@gmail.com

Phone:

Status: Stay

property: Parkside

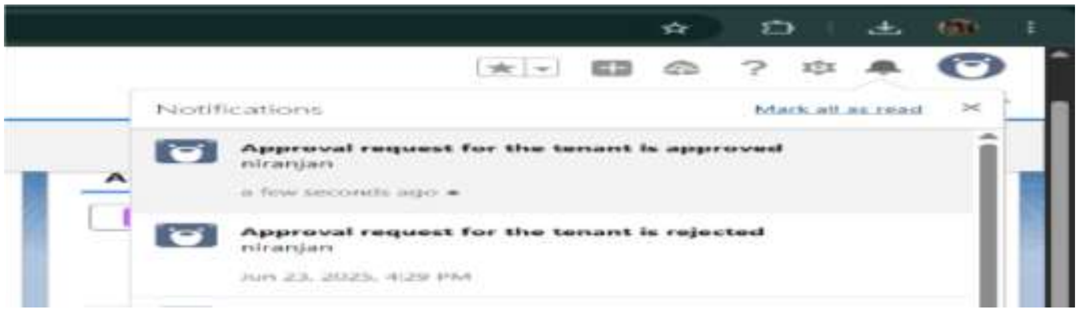
Owner: Sowmya Team

We hit a snag.

Review the errors on this page.

- A tenant can have only one property

- Approval process notifications


Notifications

Approval request for the tenant is approved
niranjan
a few seconds ago

Approval request for the tenant is rejected
niranjan
Jun 23, 2025, 4:29 PM

ADVANTAGES & DISADVANTAGES

.

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});
               }
          }
     }
```