LEASE MANAGEMENT

College Name: Nift-Tea Collage of knitwear fashion

College Code: 5n

TEAM ID:

TEAM MEMBERS:

Team LeaderName: S. PeerMohammed

Email: nowfilnowfil057@gmail.com

Team Member 1: M. Tamilvanan

Email: thugt1275@gmail.com

Team Member 2: S. Vikram

Email: vikramgowtham12345@gmail.com

Team Member 3: S. Narendrasrinivas

Email: prabukumar1975@gmail.com

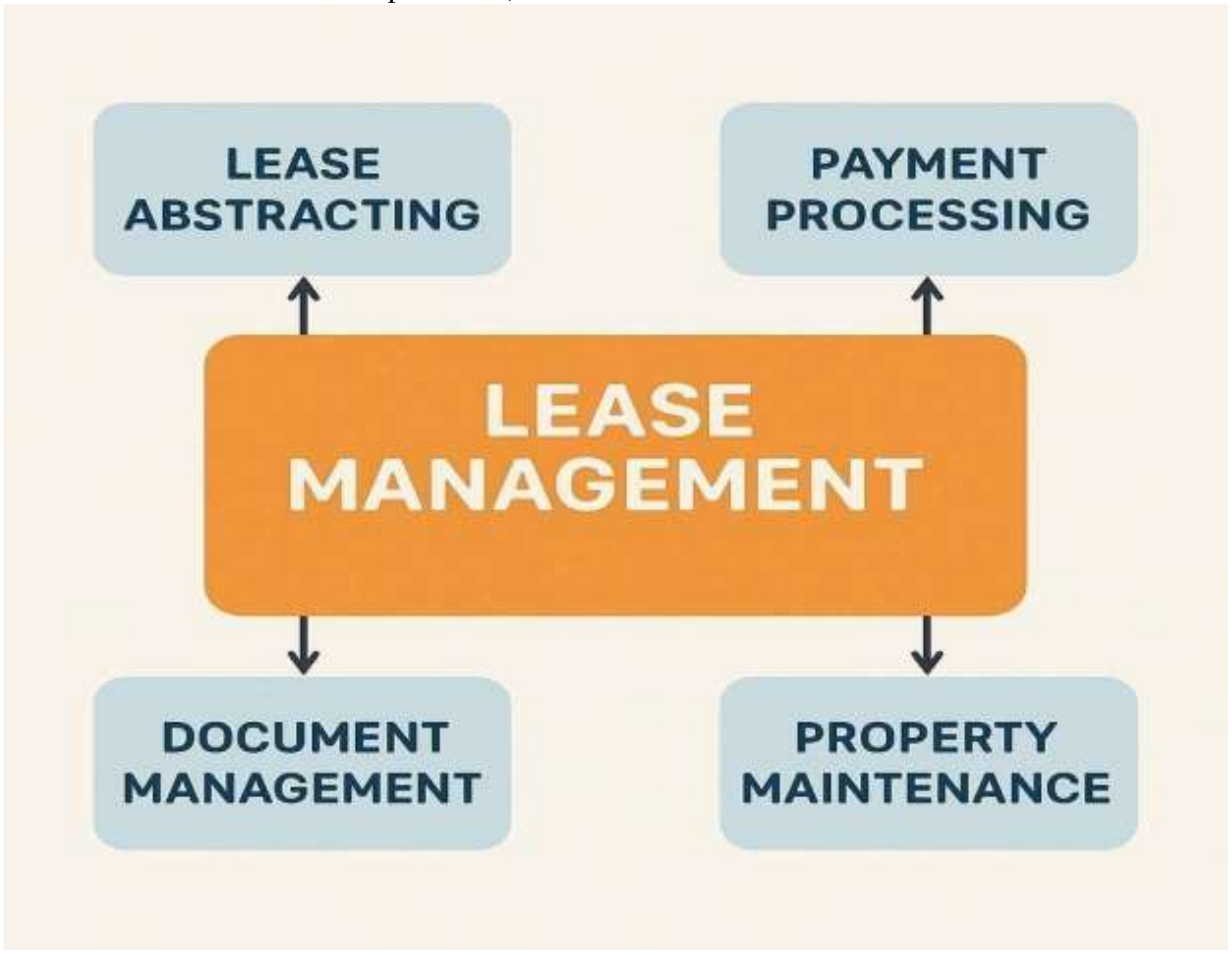
Team Member 4: M. Sobika

Email: sobimoni2005@gmail.com

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.



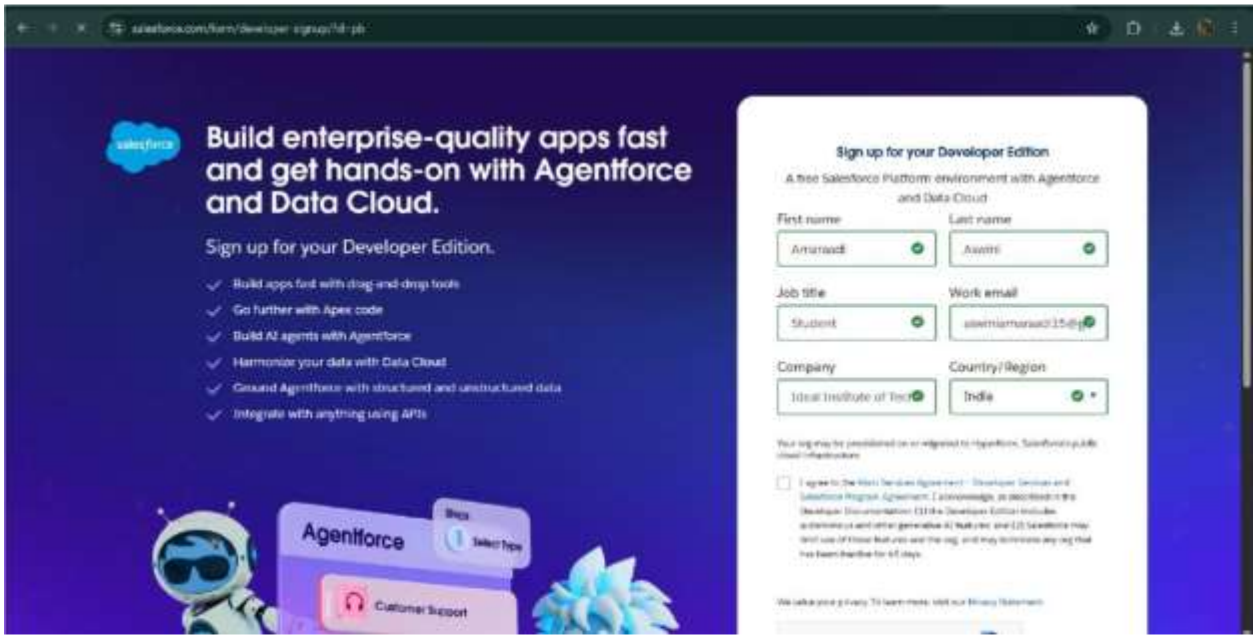
1.2 Purpose

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**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- Ground Agentforce with structured and unstructured data
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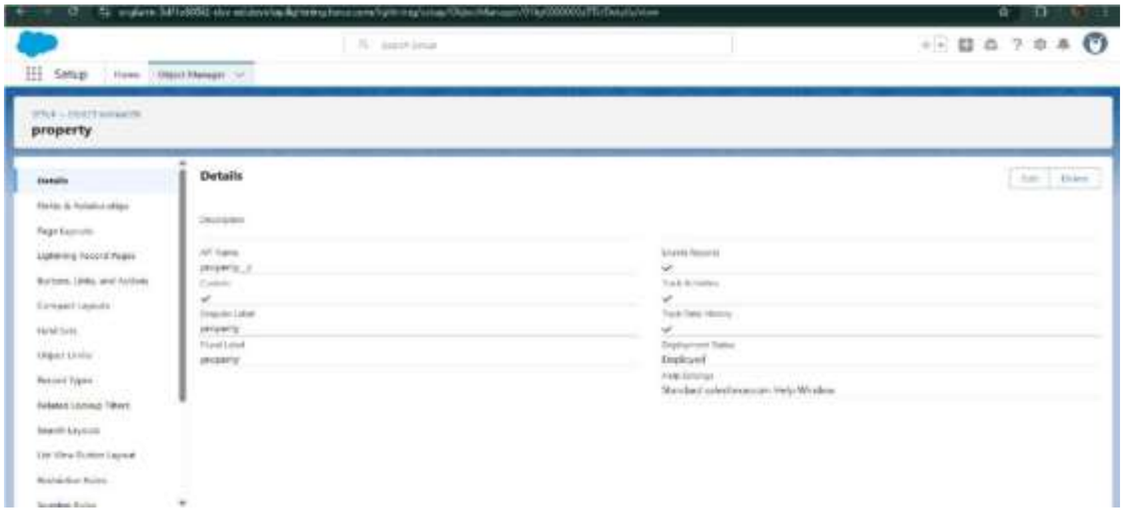
A free Salesforce Platform environment with Agentforce and Data Cloud

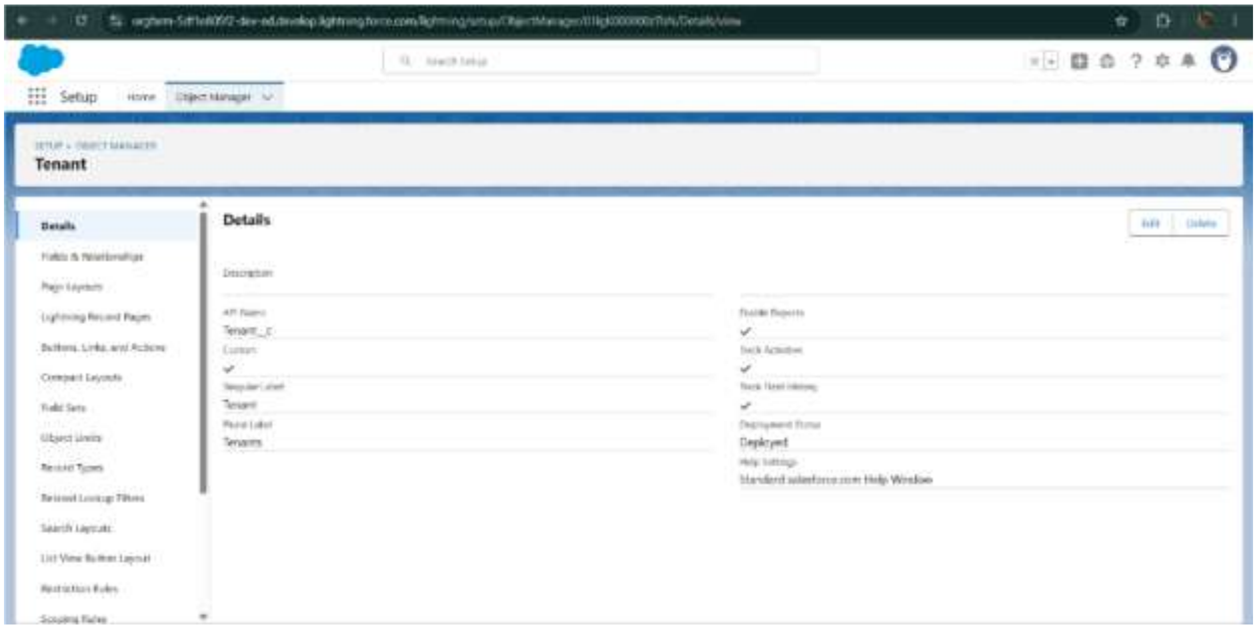
First name: Amaravadi	Last name: Aswini
Job title: Student	Work email: [illegible]
Company: Ideal Institute of Tech	Country/Region: India

- 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



SETUP > OBJECT MANAGER

Tenant

Details

Description

API Name
Tenant__c

Custom
✓

Singular Label
Tenant

Plural Label
Tenants

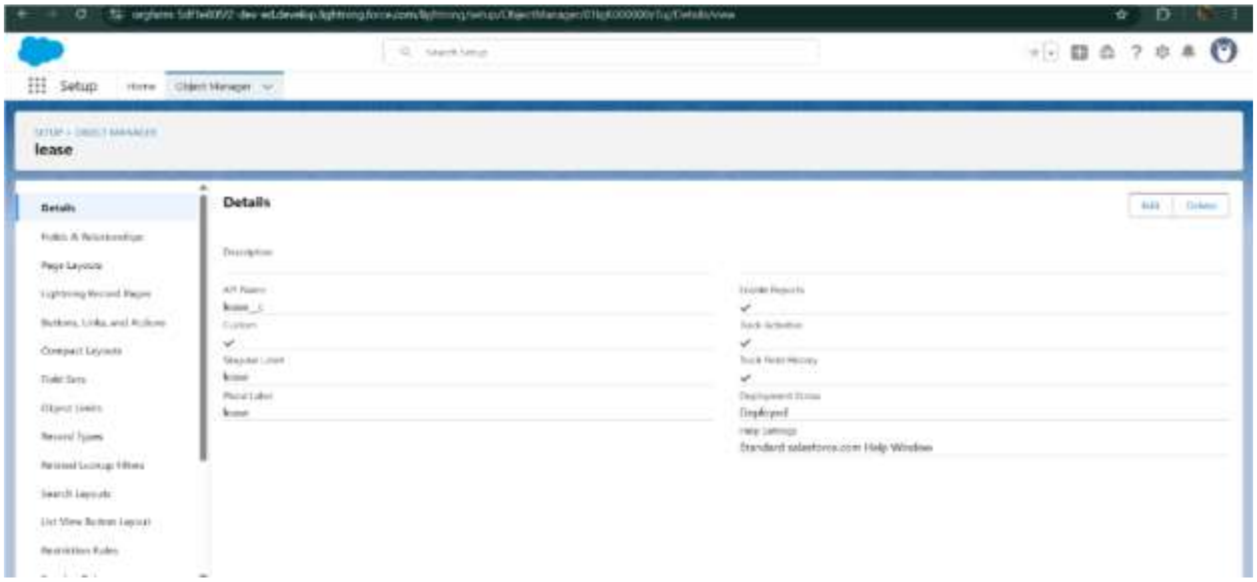
Enable Reports
✓

Track Activities
✓

Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window



SETUP > OBJECT MANAGER

lease

Details

Description

API Name
lease__c

Custom
✓

Singular Label
lease

Plural Label
lease

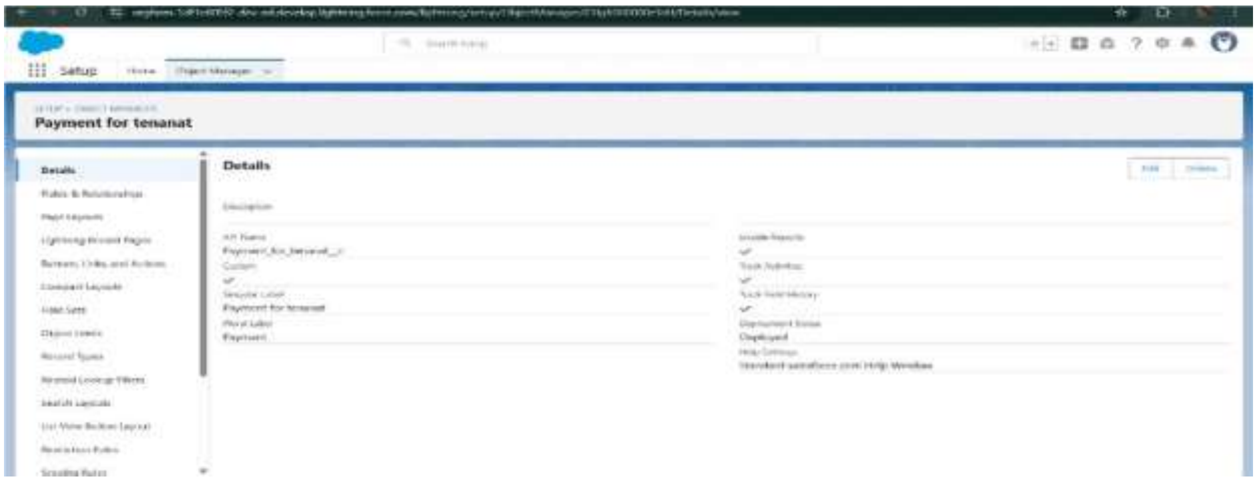
Enable Reports
✓

Track Activities
✓

Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window



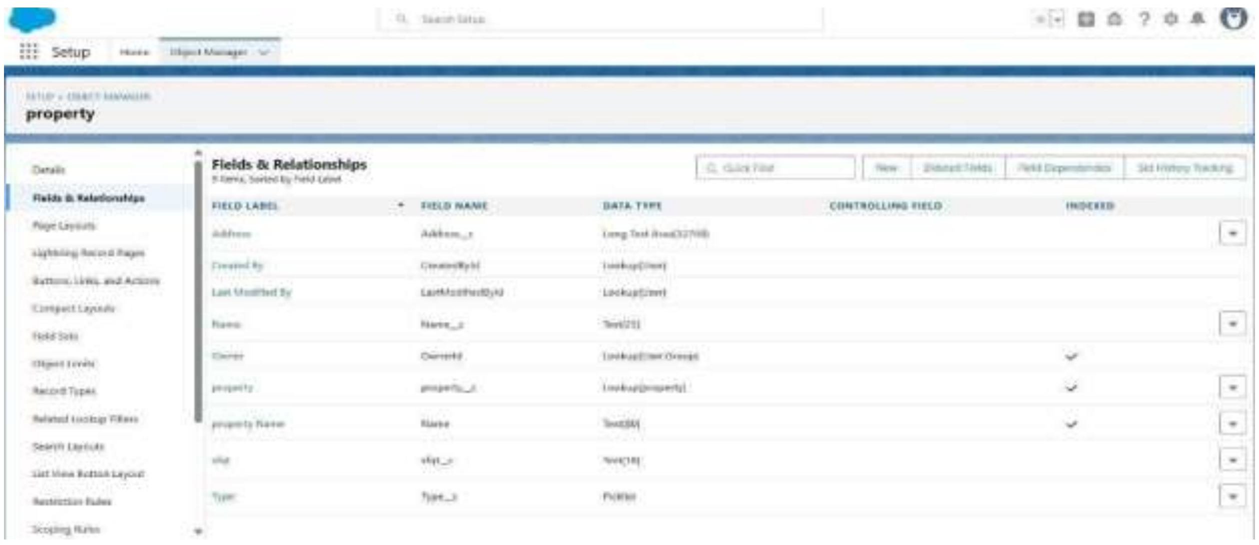
Payment for tenanat

Details

Description

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

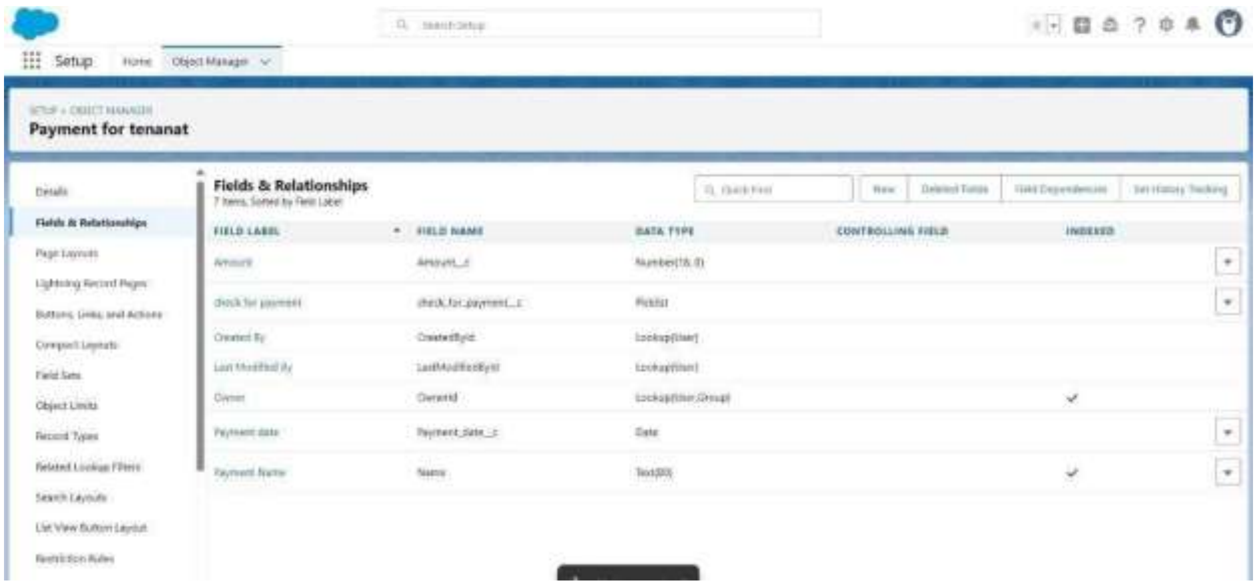
- Configured fields and relationships



property

Fields & Relationships
9 Items, Sorted by Field Label

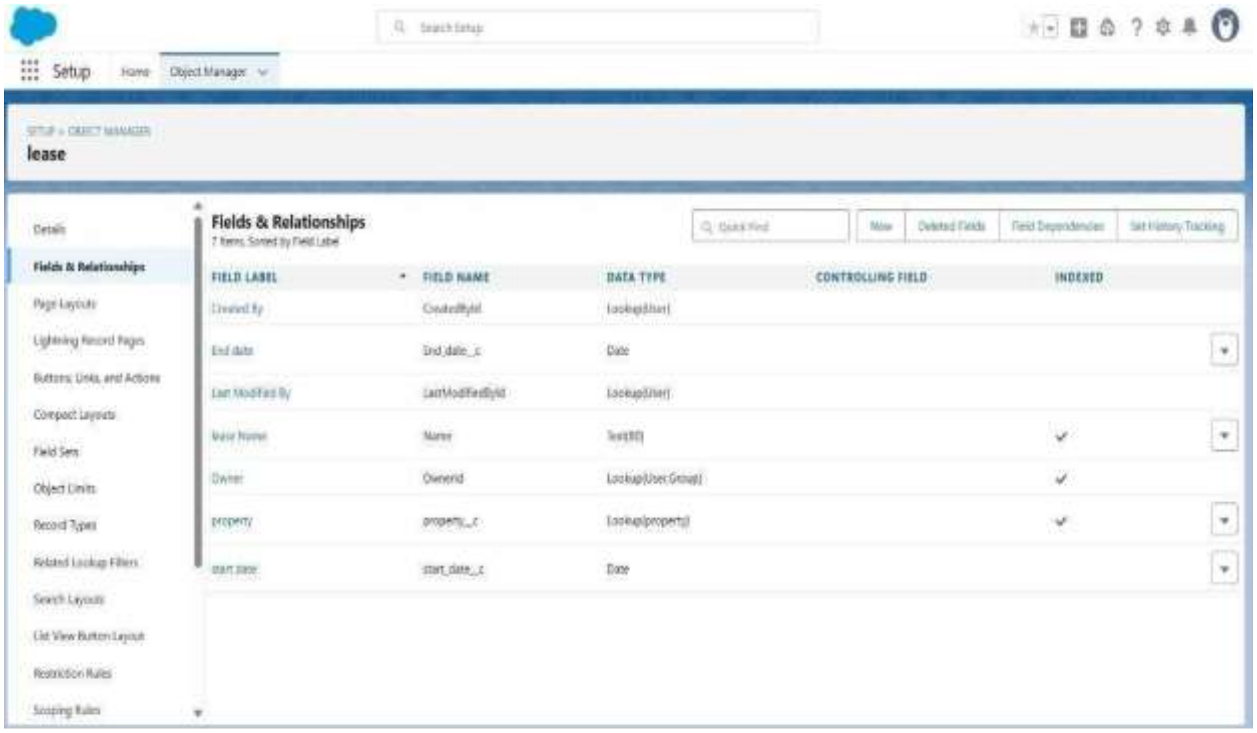
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Address	Address__c	Long Text Area(32768)		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Name	Name__c	Text(25)		
Owner	OwnerId	Lookup(User,Group)		✓
property	property__c	Lookup(property)		✓
property Name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



Payment for tenanat

Fields & Relationships
7 Items, Sorted by Field Label

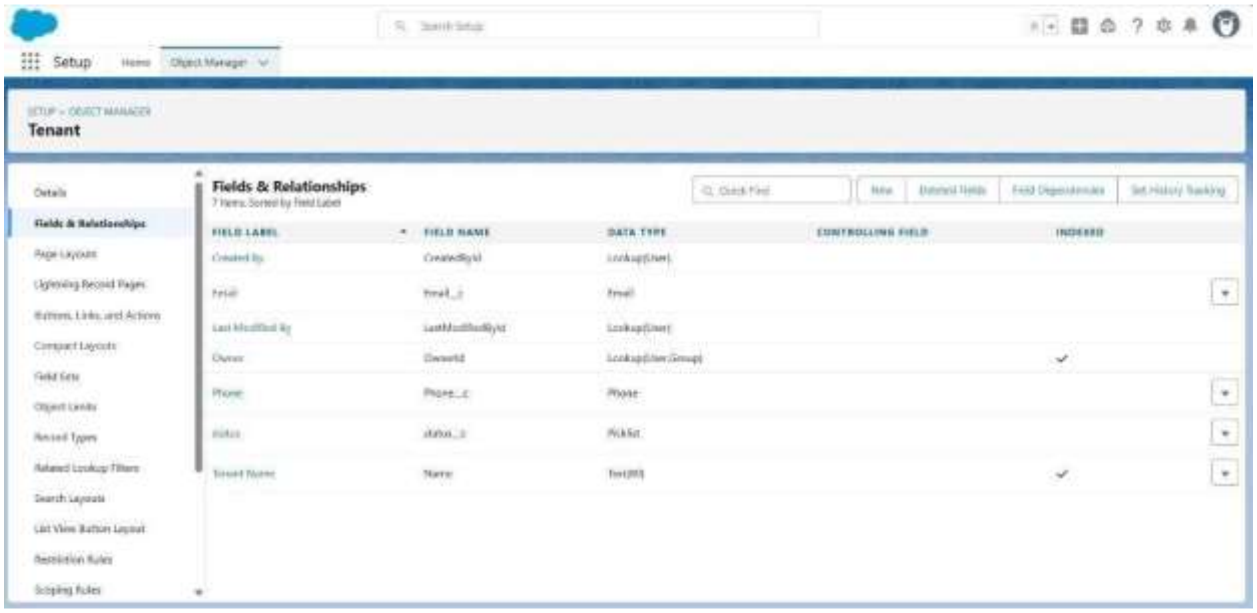
FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Amount	Amount__c	Number(16, 0)		
check for payment	check_for_payment__c	Picklist		
Created By	CreatedById	Lookup(User)		
Last Modified By	LastModifiedById	Lookup(User)		
Owner	OwnerId	Lookup(User,Group)		✓
Payment date	Payment_date__c	Date		
Payment Name	Name	Text(80)		✓



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

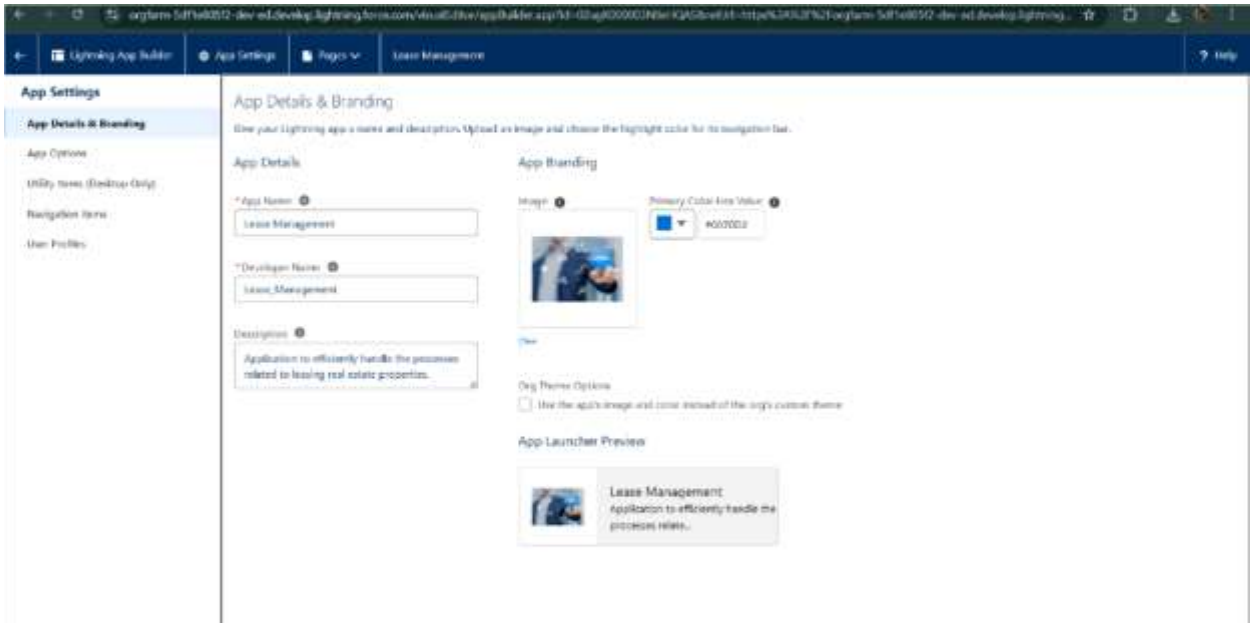
Tenant

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

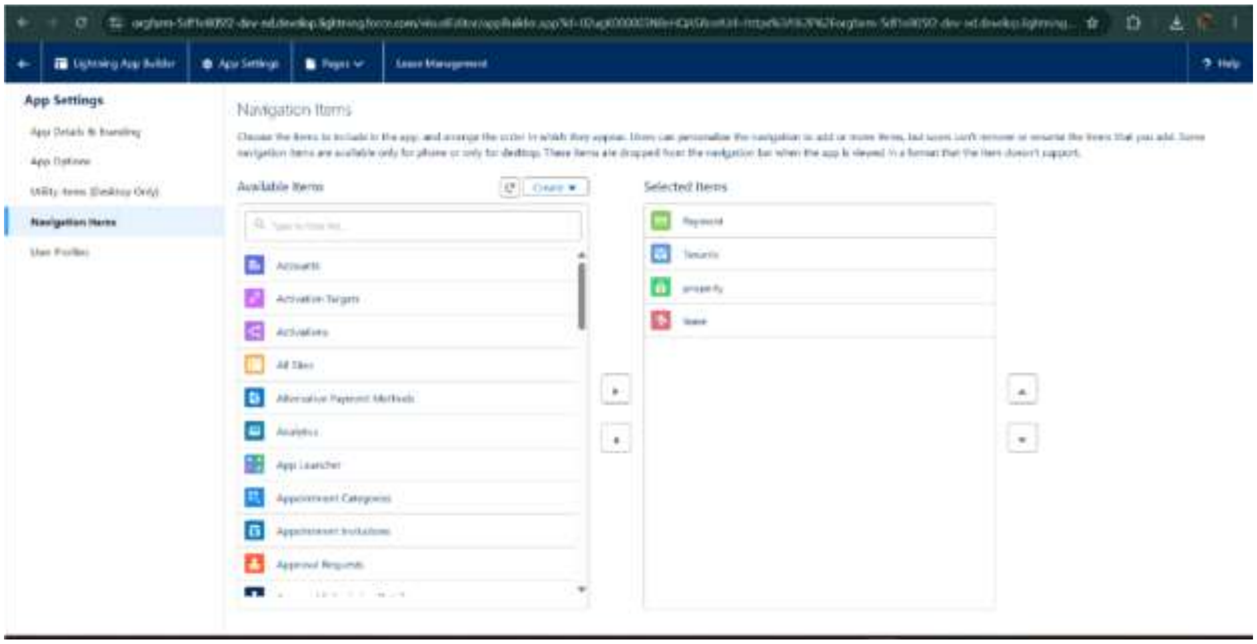
Primary Color Hex Value: #0070D2

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...



App Settings

- App Details & Branding
- App Options
- Utility Items (Desktop Only)
- **Navigation Items**
- User Profiles

Navigation Items

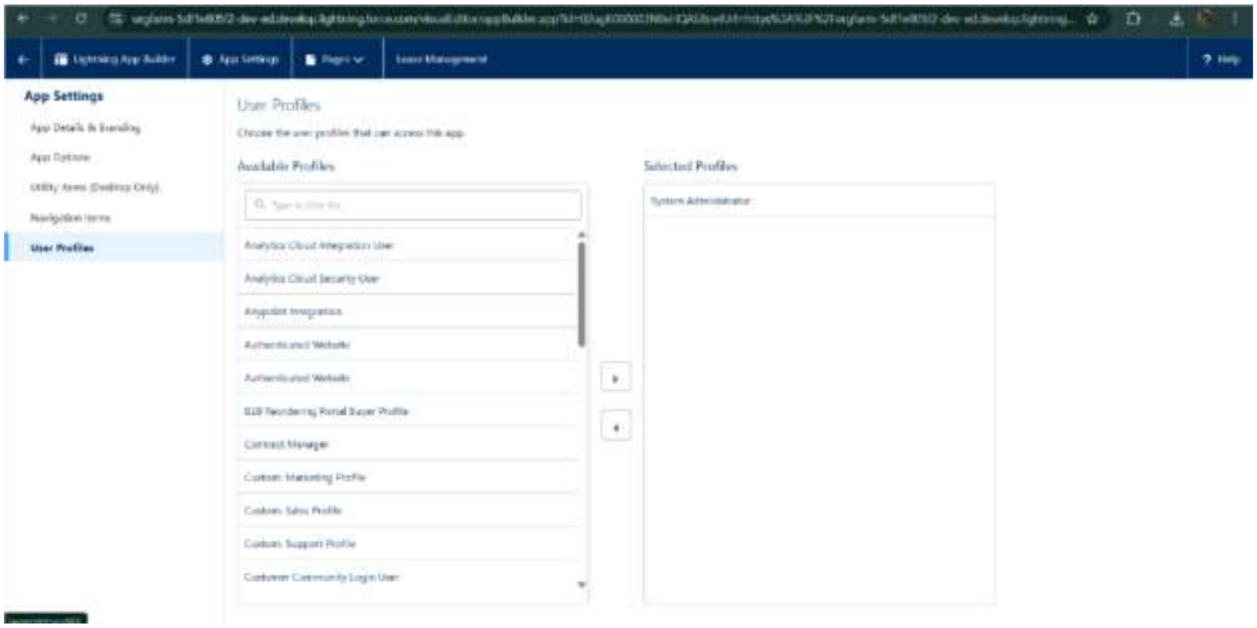
Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from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



App Settings

- App Details & Branding
- App Options
- Utility Items (Desktop Only)
- Navigation Items
- **User Profiles**

User Profiles

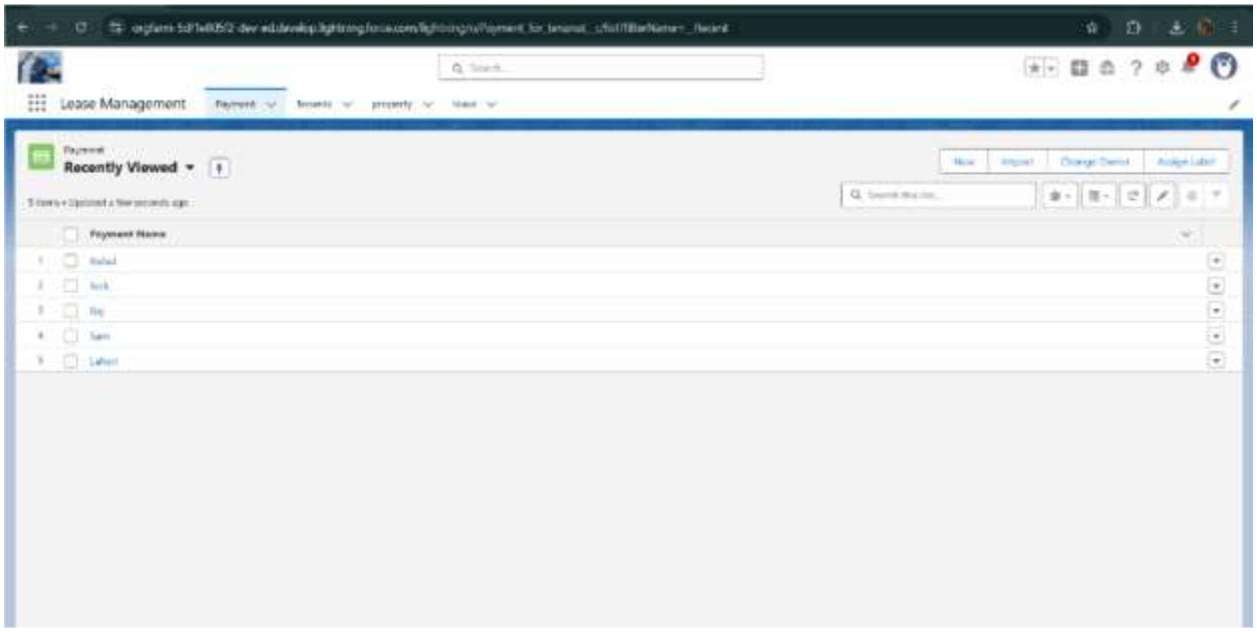
Choose the user profiles that can access this app.

Available Profiles

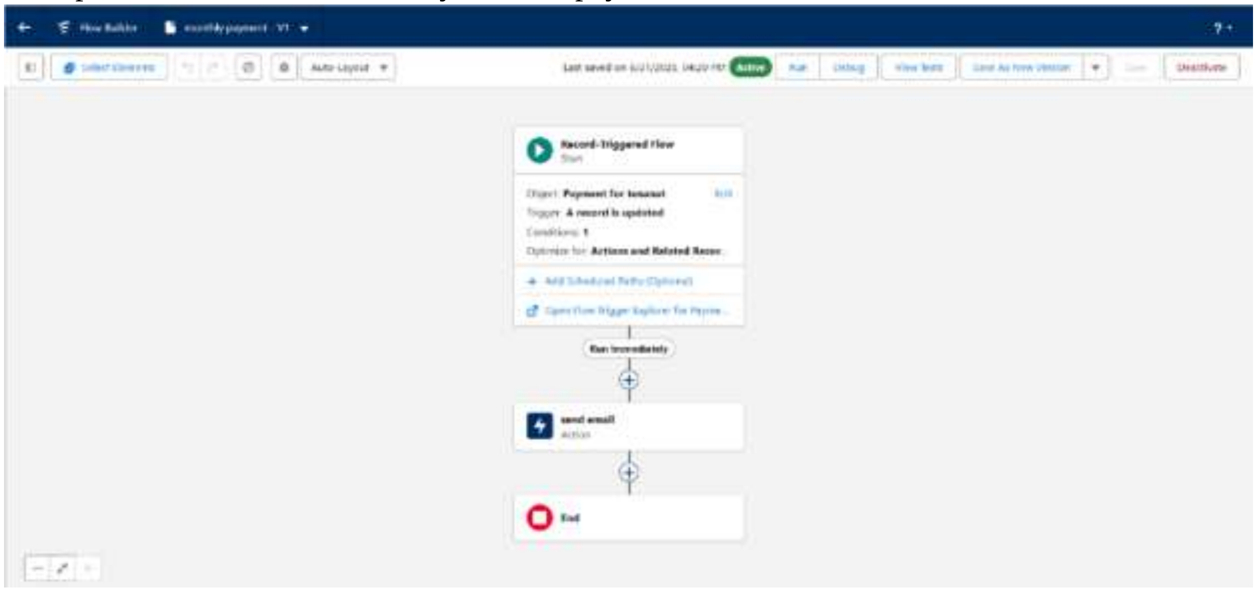
- Analytics Cloud Integration User
- Analytics Cloud Security User
- Anypoint Integration
- Authenticated Website
- Authenticated Website
- B2B Reordering Portal Buyer Profile
- Contract Manager
- Custom: Marketing Profile
- Custom: Sales Profile
- Custom: Support Profile
- Customer Community Login User

Selected Profiles

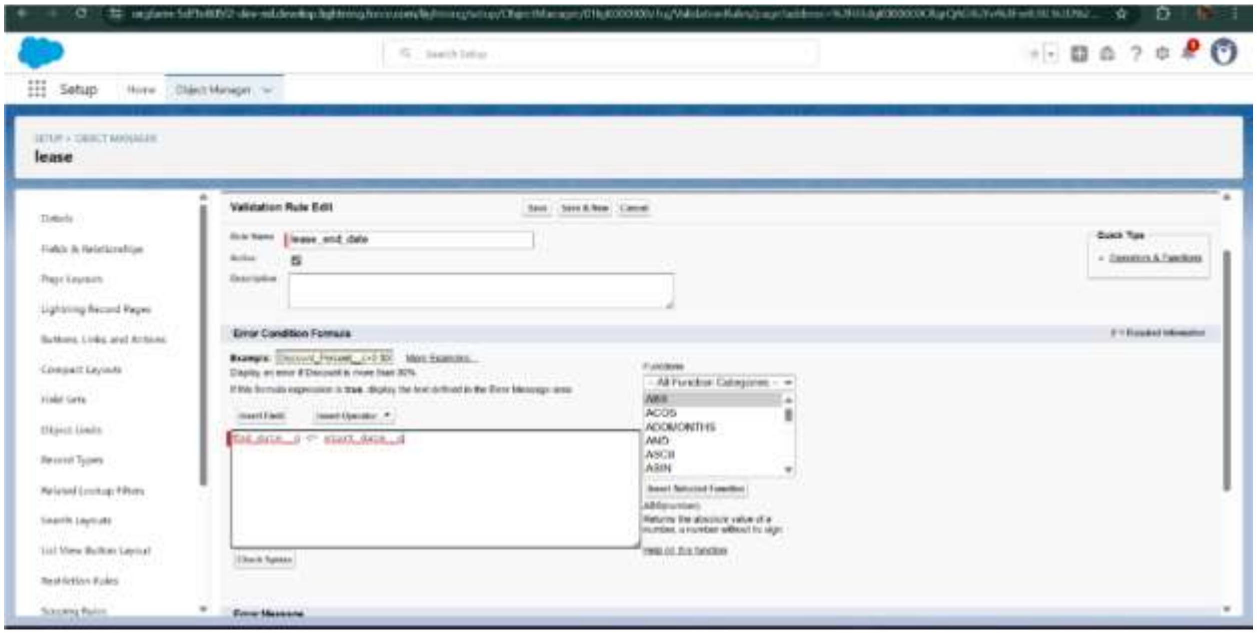
- System Administrator



- Implemented Flows for monthly rent and payment success


Flow Builder
monthly payment - V1
Auto-Layout
Active
Record-Triggered Flow
Start
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 Payme...
Run Immediately
send email
Action
End

- To create a validation rule to a Lease Object


Validation Rule Edit

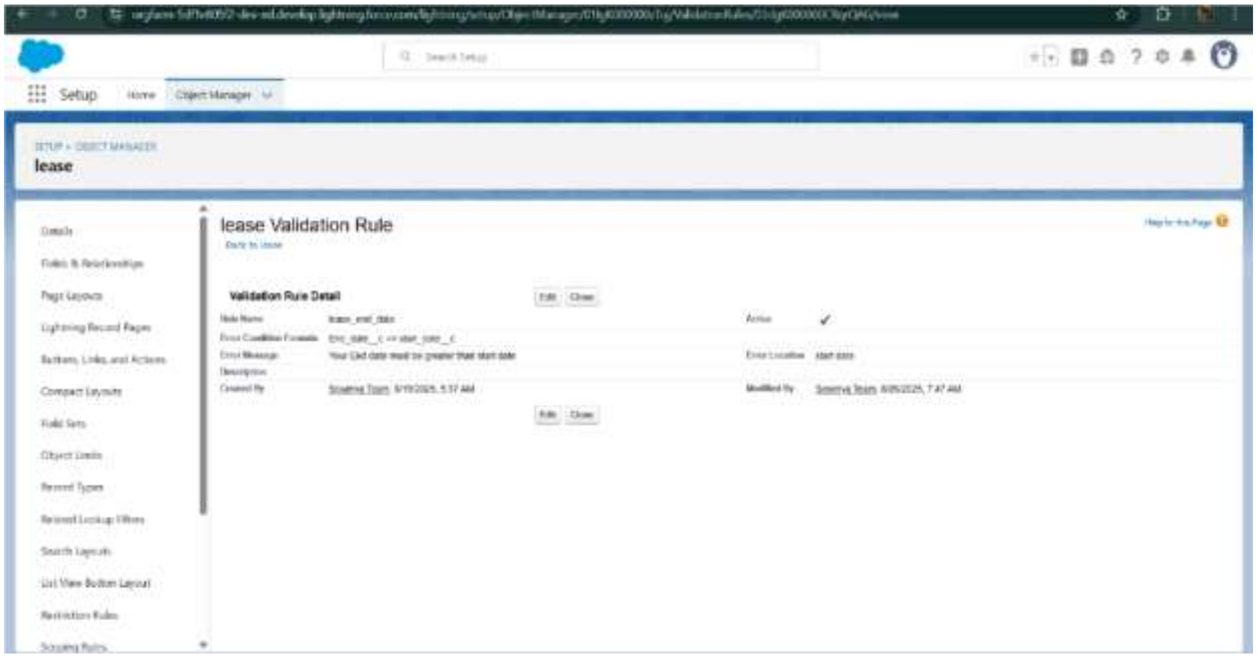
Rule Name: lease_end_date

Active: ✓

Description:

Error Condition Formula

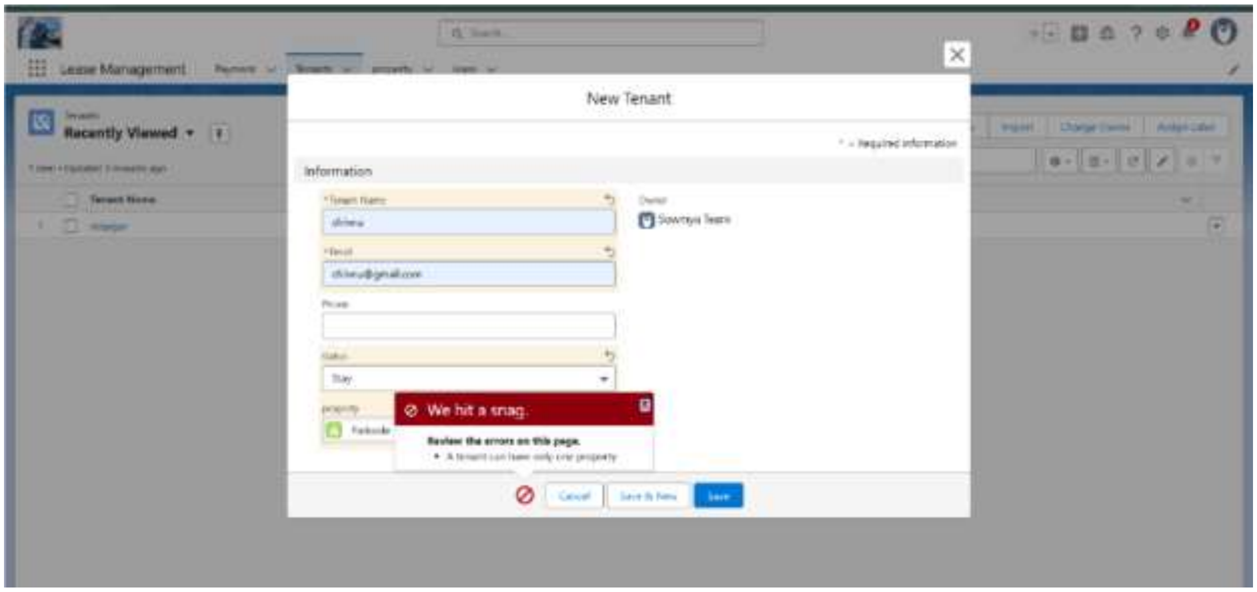
```
End_date__c <= start_date__c
```


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	Smartva Team, 9/19/2025, 5:37 AM	Modified By	Smartva Team, 9/20/2025, 7:47 AM

- Added Apex trigger to restrict multiple tenants per property



New Tenant

* = Required information

Information

*Tenant Name: shivu

*Email: shivu@gmail.com

Phone:

Status: Stay

property: Parkside

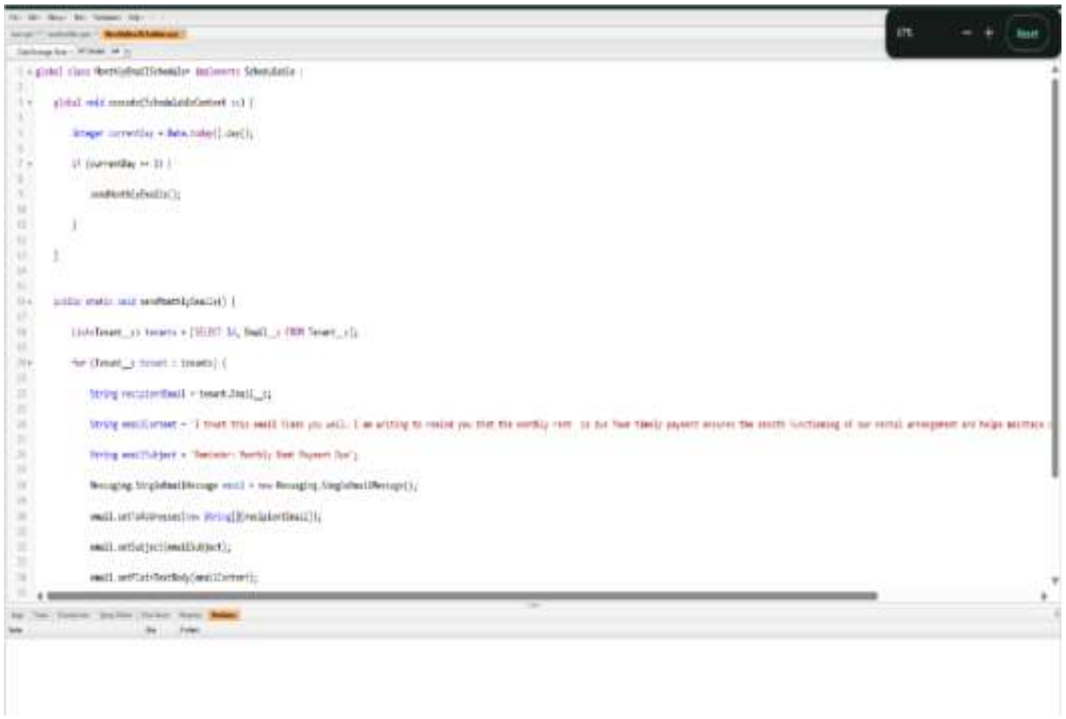
Owner: Sowmya Team

We hit a snag.

Review the errors on this page.

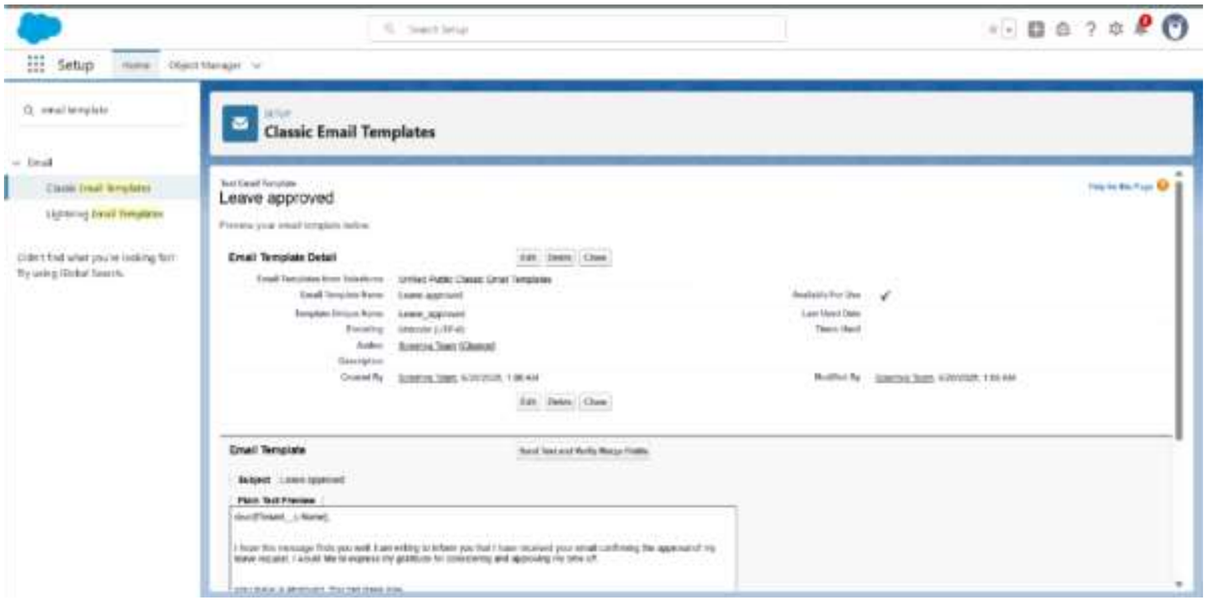
- A tenant can have only one property

- 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 [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);
```

- 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	[illegible]		
Description			
Created By	[illegible], 6/20/2025, 1:06 AM	Modified By	[illegible], 6/20/2025, 1:55 AM

Email Template

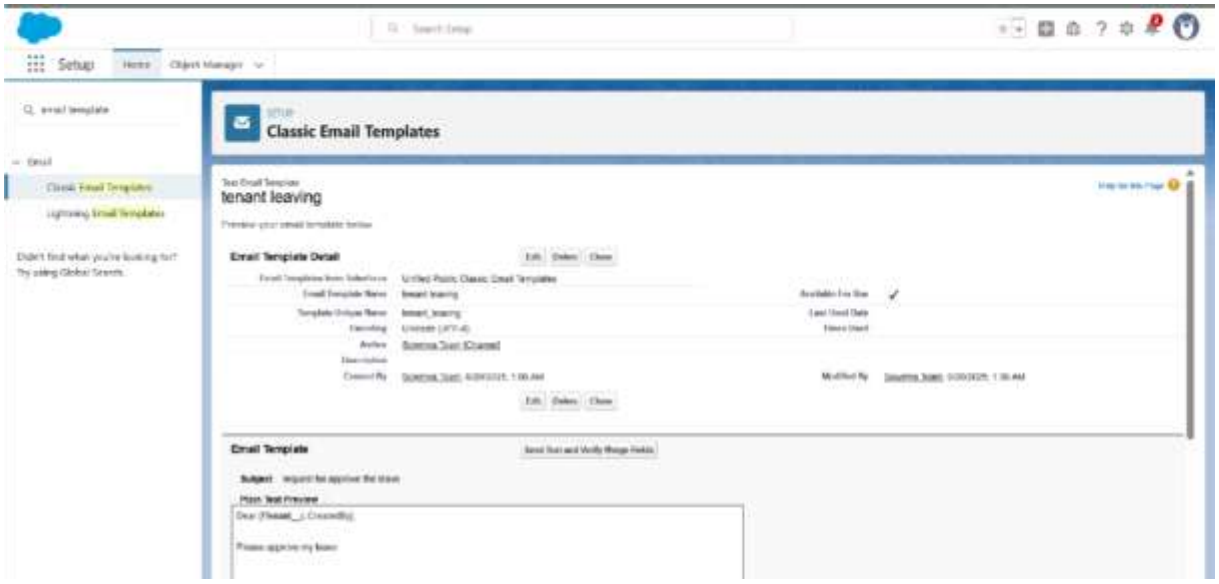
Subject Leave approved

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]



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, 1:00 AM	Modified By	[illegible], 6/20/2025, 1:36 AM

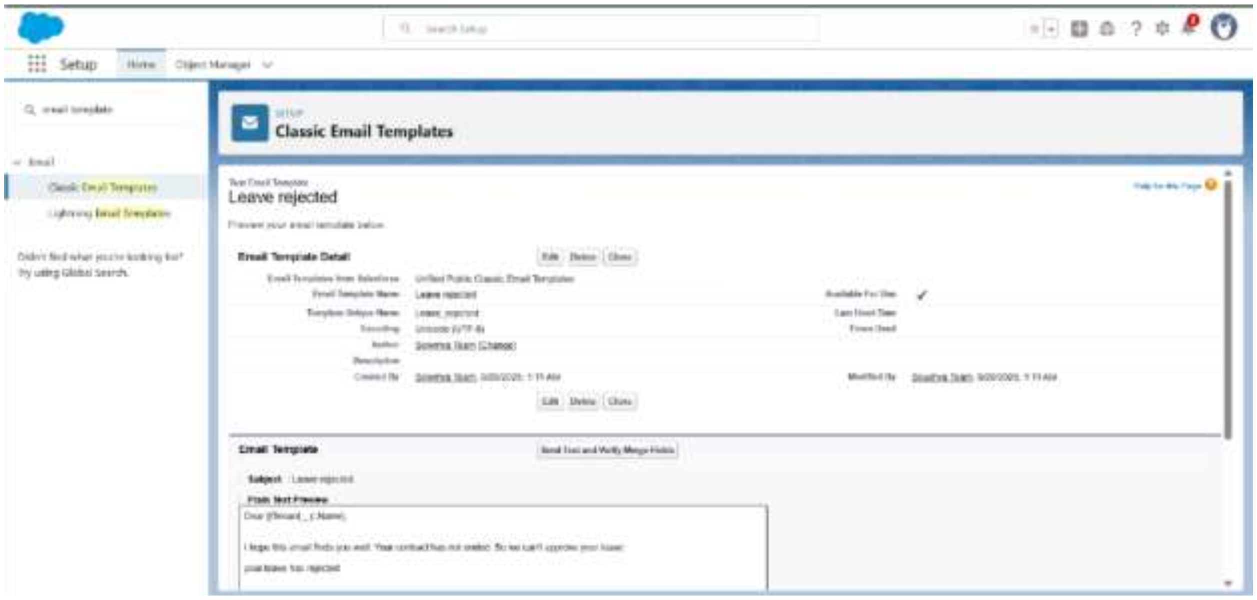
Email Template

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, 9/20/2025, 1:11 AM	Modified By	Sowmya Team, 9/20/2025, 1:11 AM

Email Template

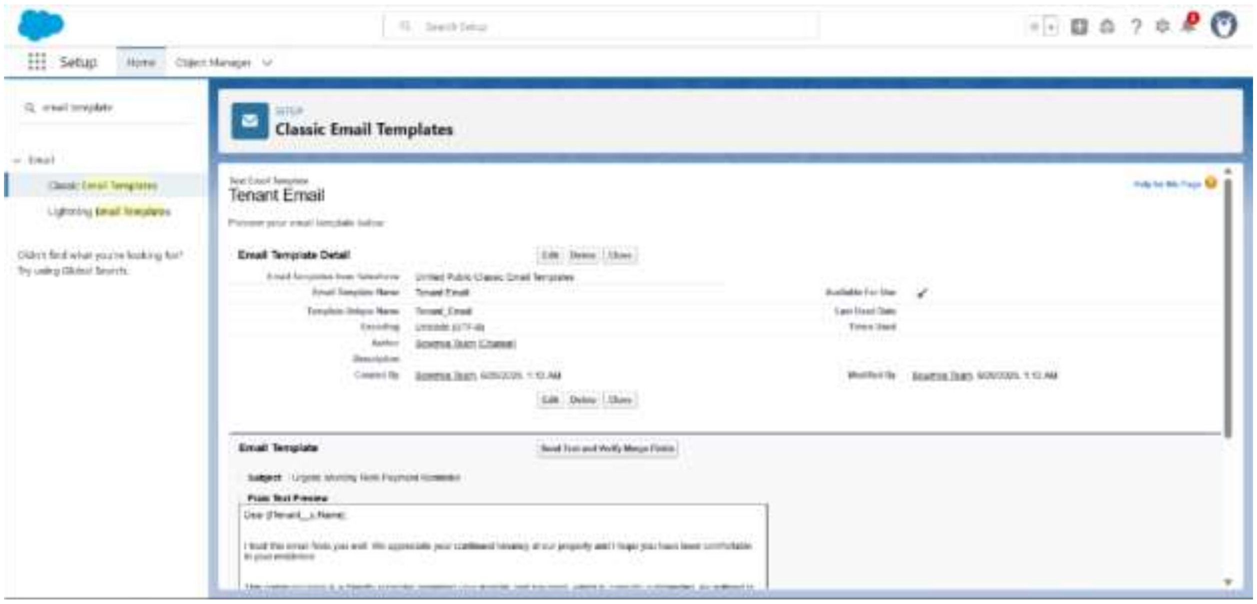
Subject Leave rejected

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, 9/20/2025, 1:10 AM	Modified By	Sowmya Team, 9/20/2025, 1:10 AM

Email Template

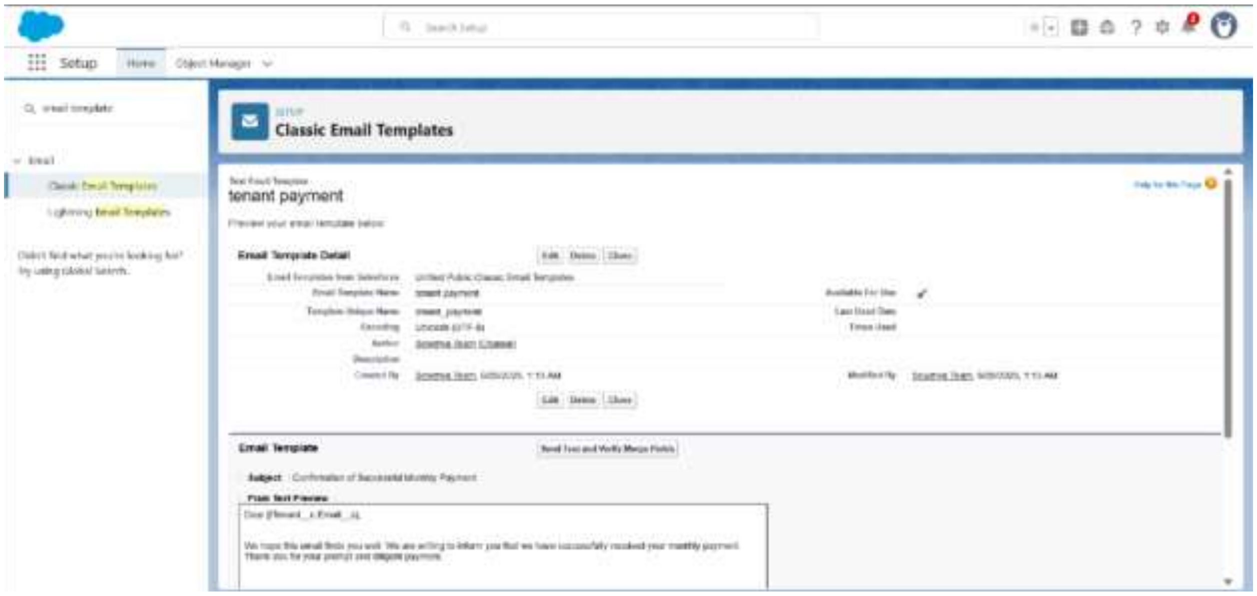
Subject Urgent: Monthly Rent Payment Reminder

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.

[illegible]


SETUP
Classic Email Templates

Text Email Template
tenant payment
Preview your email template below:

Email Template Detail

Email Template 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	[illegible]		
Description			
Created By	[illegible], [illegible] AM	Modified By	[illegible], [illegible] AM

Email Template

Subject Confirmation of Successful Monthly Payment

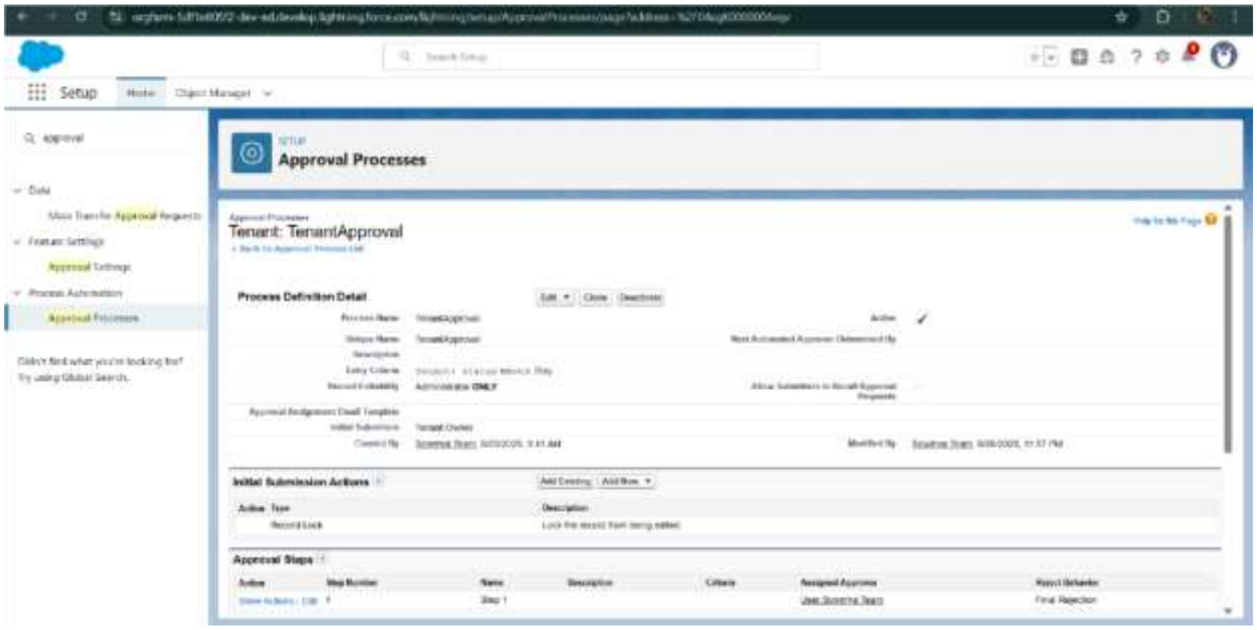
Plain Text Preview

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:


SETUP
Approval Processes

Approval Processes
Tenant: TenantApproval

Process Definition Detail

Process Name	TenantApproval	Active	✓
Unique Name	TenantApproval	Next Automated Approver Determined By	
Description			
Entry Criteria	[illegible]		
Record Editability	Administrator ONLY	Allow Submitters to Recall Approval Requests	
Approval Assignment Email Template			
Initial Submitters	Tenant Owner		
Created By	[illegible], [illegible] AM	Modified By	[illegible], [illegible] PM

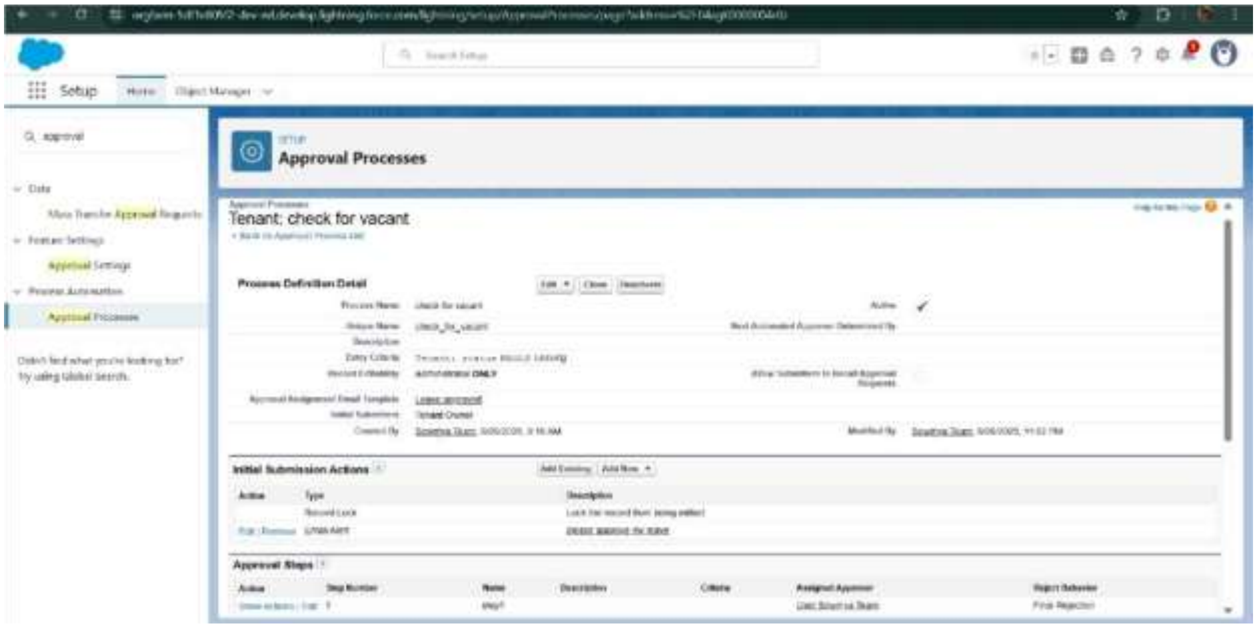
Initial Submission Actions

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			[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	Next Automated Approver Determined By	
Description			
Entry Criteria	[illegible]		
Record Editability	Administrator ONLY	Allow Submitters to Recall Approval Requests	
Approval Assignment Email Template	[illegible]		
Initial Submitters	Tenant Owner		
Created By	[illegible]	Modified By	[illegible]

Initial Submission Actions

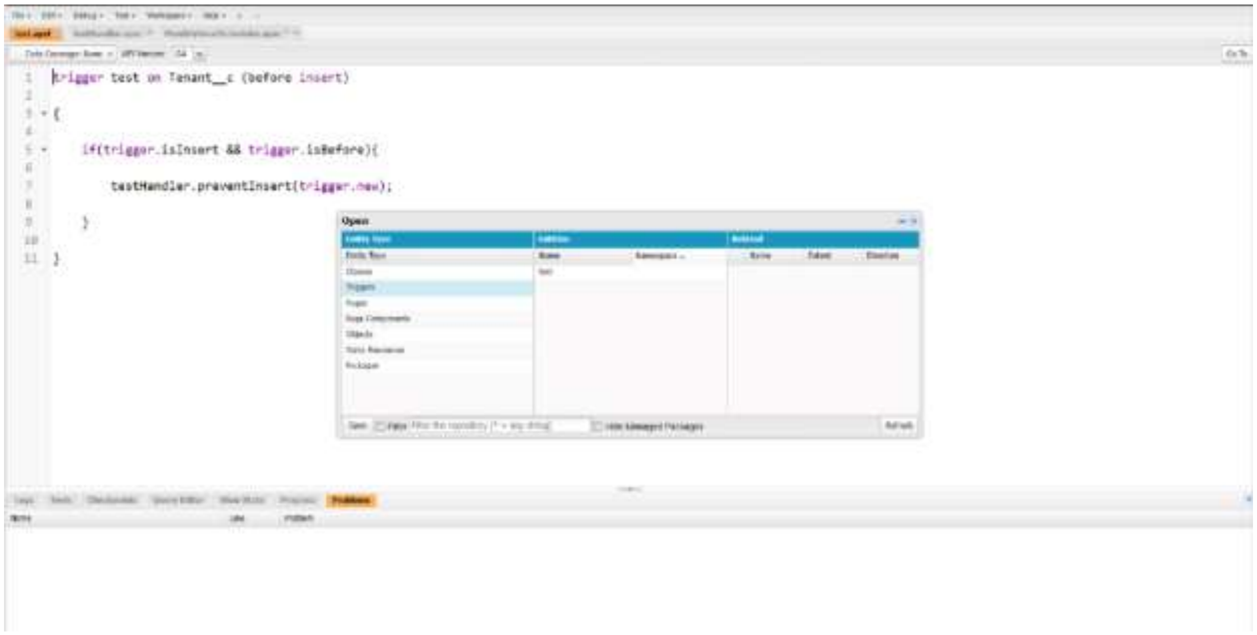
Action	Type	Description
	Record Lock	Lock the record from being edited
Edit | Remove	Email Alert	[illegible]

Approval Steps

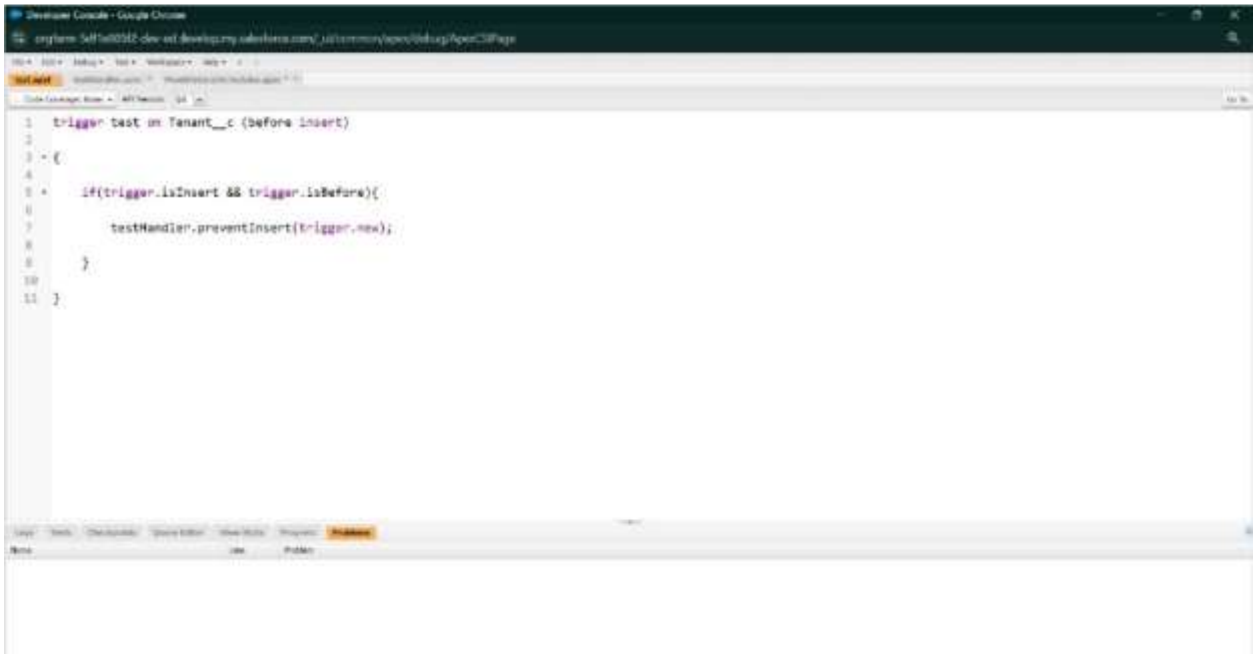
Action	Step Number	Name	Description	Criteria	Assigned Approver	Reject Behavior
Show Actions | Edit	1	step1			[illegible]	Final Rejection

- Apex Trigger

Create an Apex Trigger

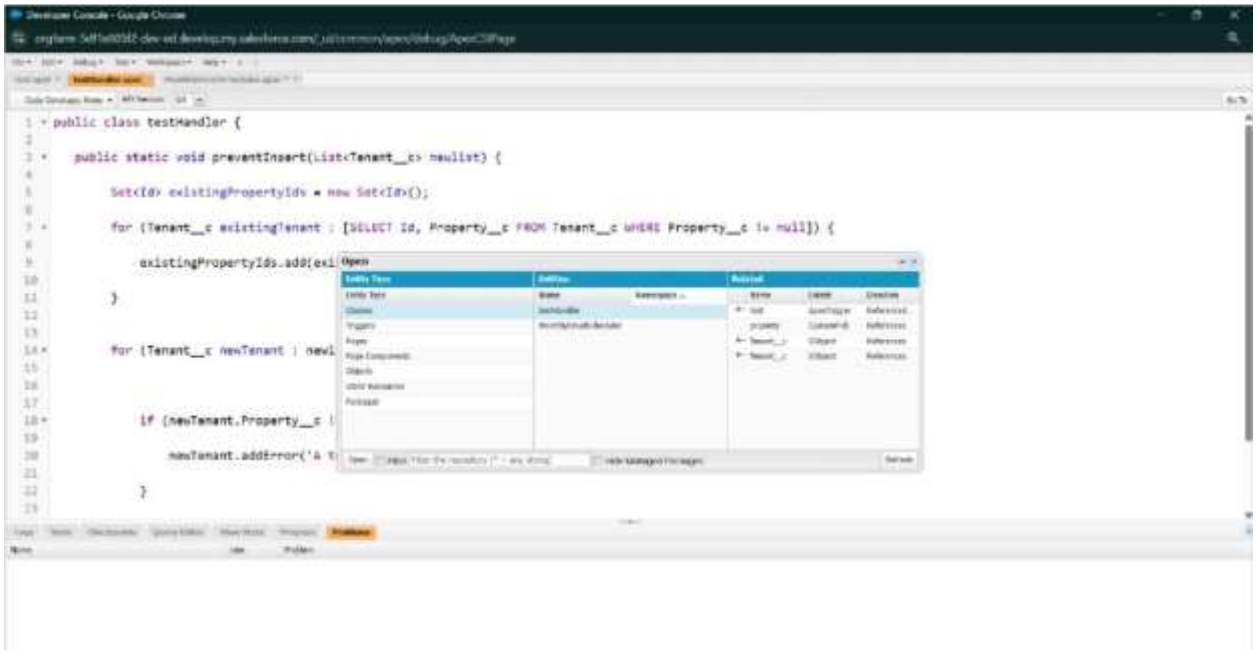


```
trigger test on Tenant__c (before insert)

{

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

        testHandler.preventInsert(trigger.new);

    }

}
```

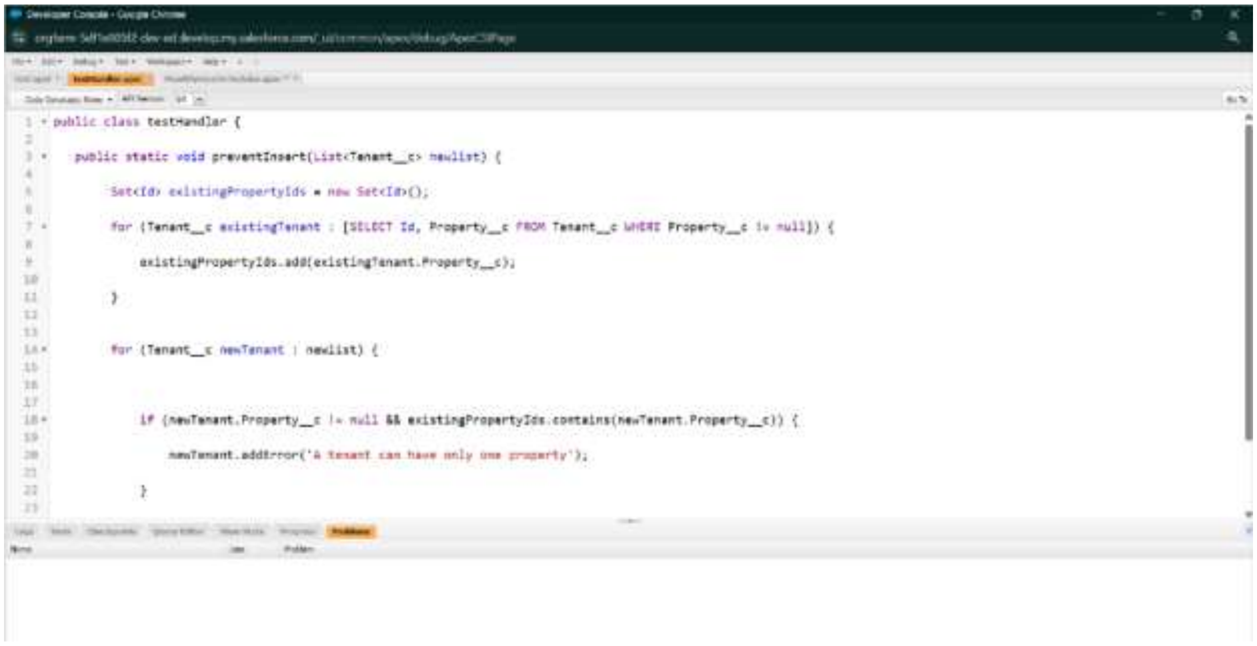


```
trigger test on Tenant__c (before insert)

{

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

        testHandler.preventInsert(trigger.new);

    }

}
```

Create an Apex Handler class



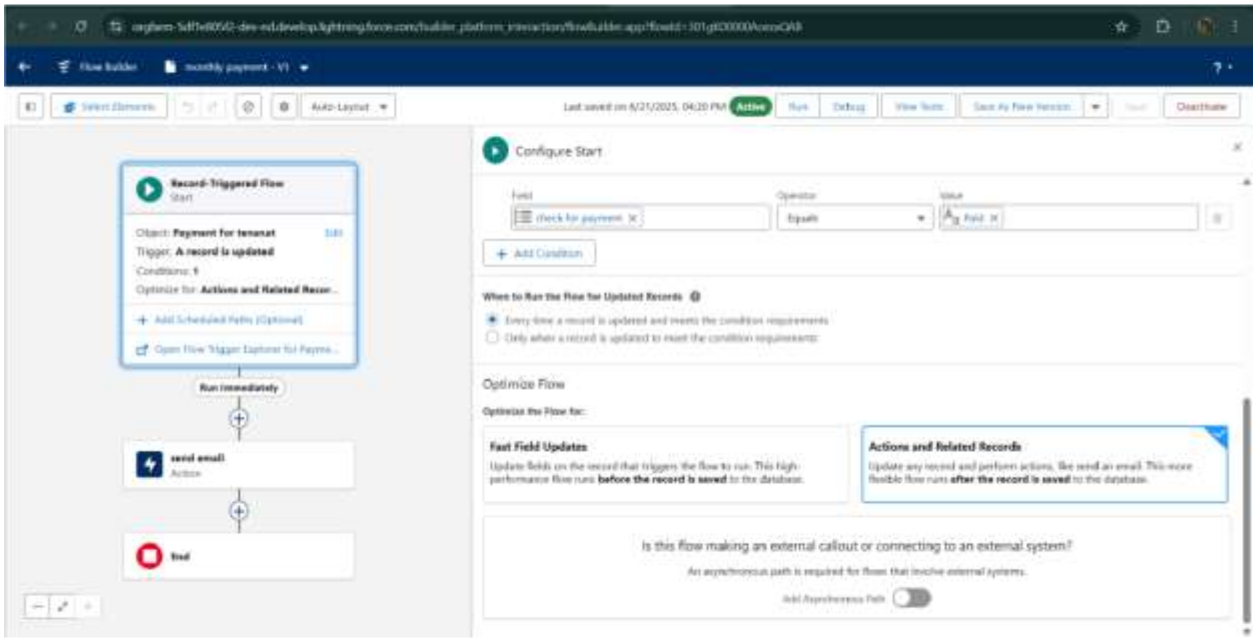
```
public class testHandler {

   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

            }

```



Developer Console - Google Chrome

```
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 Active

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...
Run Immediately
send email
Action
End

Configure Start

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:

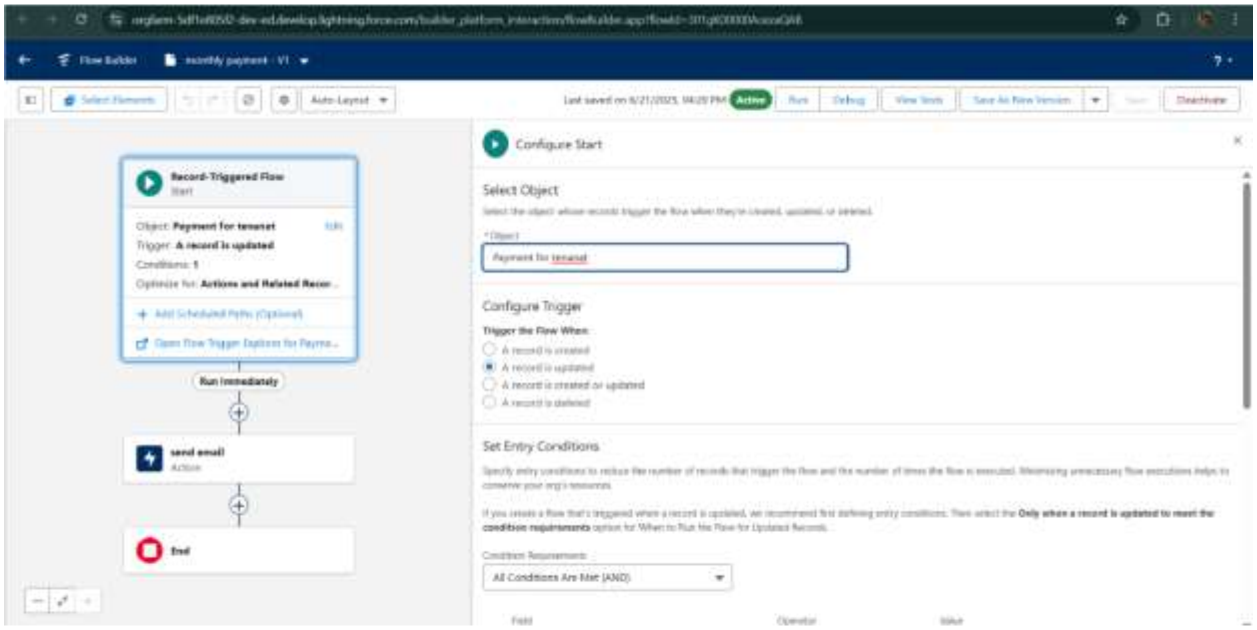
Fast Field Updates
Update fields on the record that triggers the flow to run. This high-performance flow runs **before the record is saved** to the database.

[✓ **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

*Object: Payment for tenanat

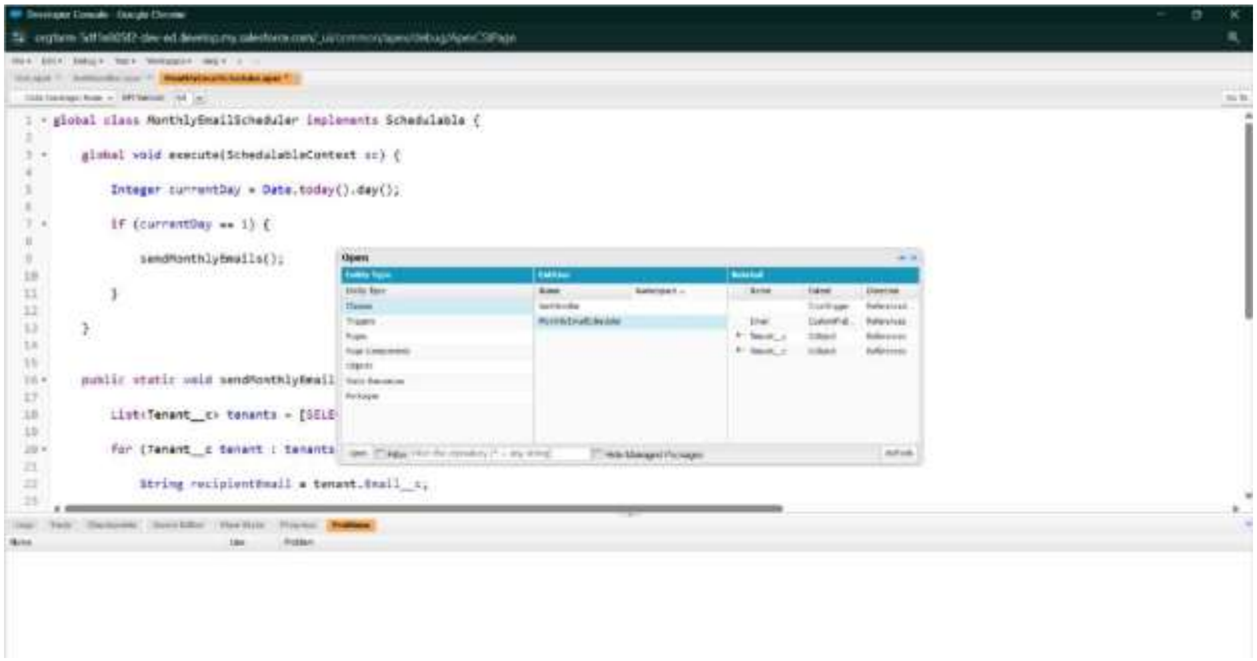
Configure Trigger

Trigger the Flow When:
( ) A record is created
(•) A record is updated
( ) A record is created or updated
( ) A record is deleted

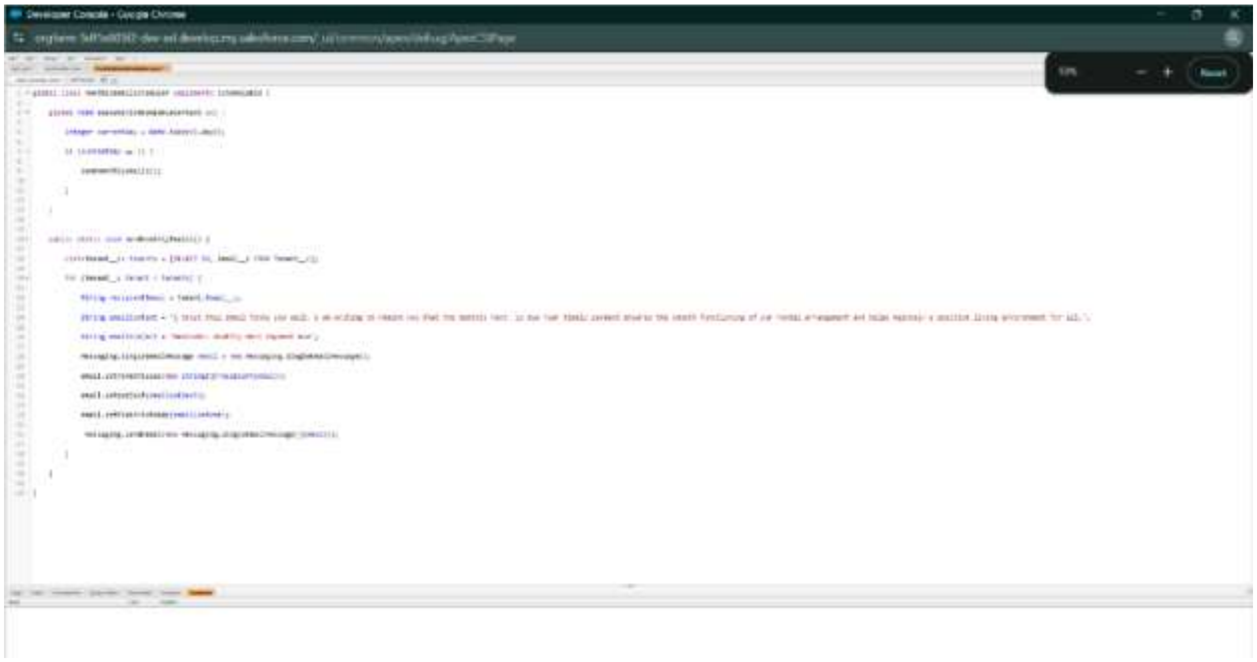
Set Entry Conditions

Condition Requirements: All Conditions Are Met (AND)

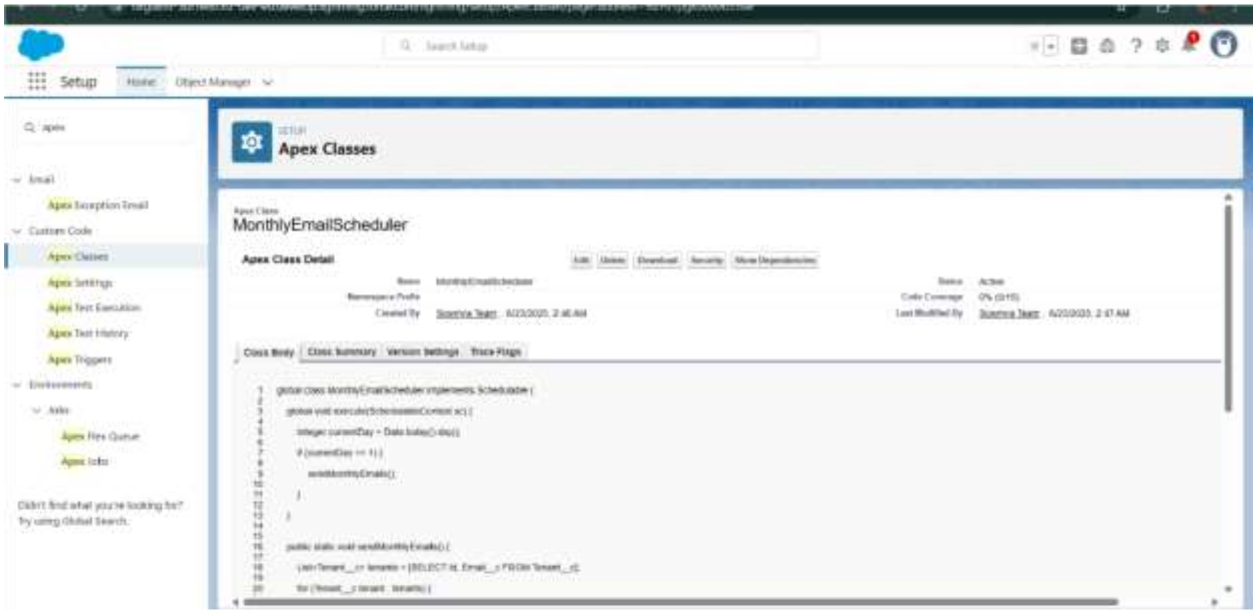
- Schedule class:
  Create an Apex Class



```
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;
```


[illegible]

Schedule Apex class

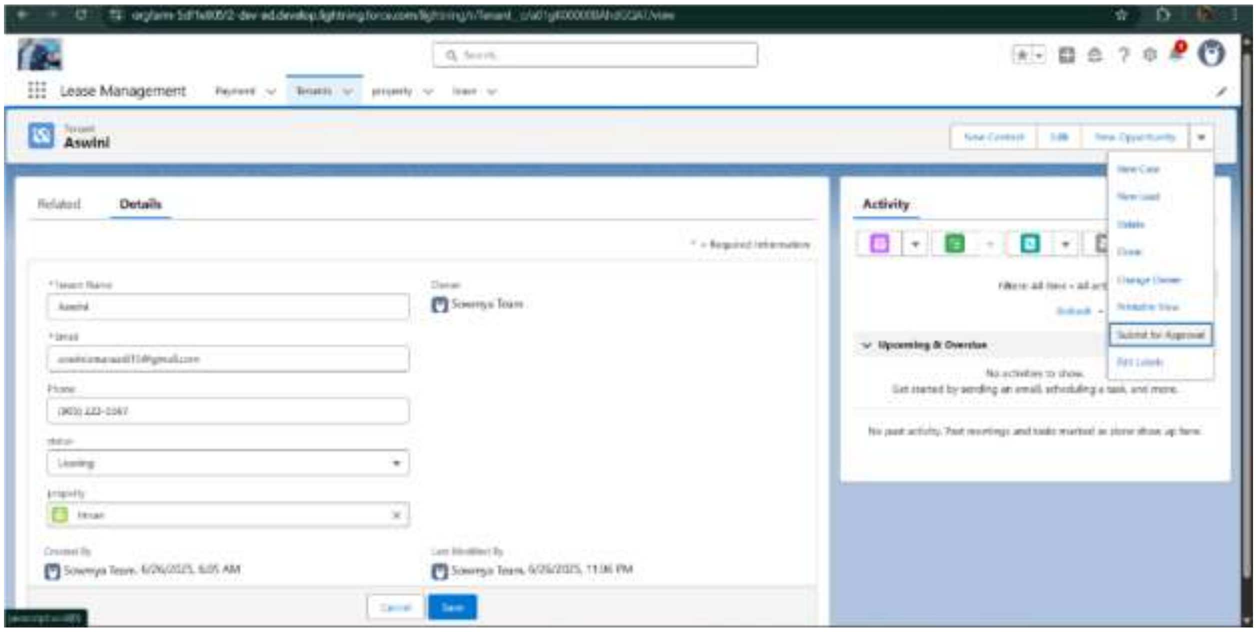


Apex Class
MonthlyEmailScheduler

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) {
```

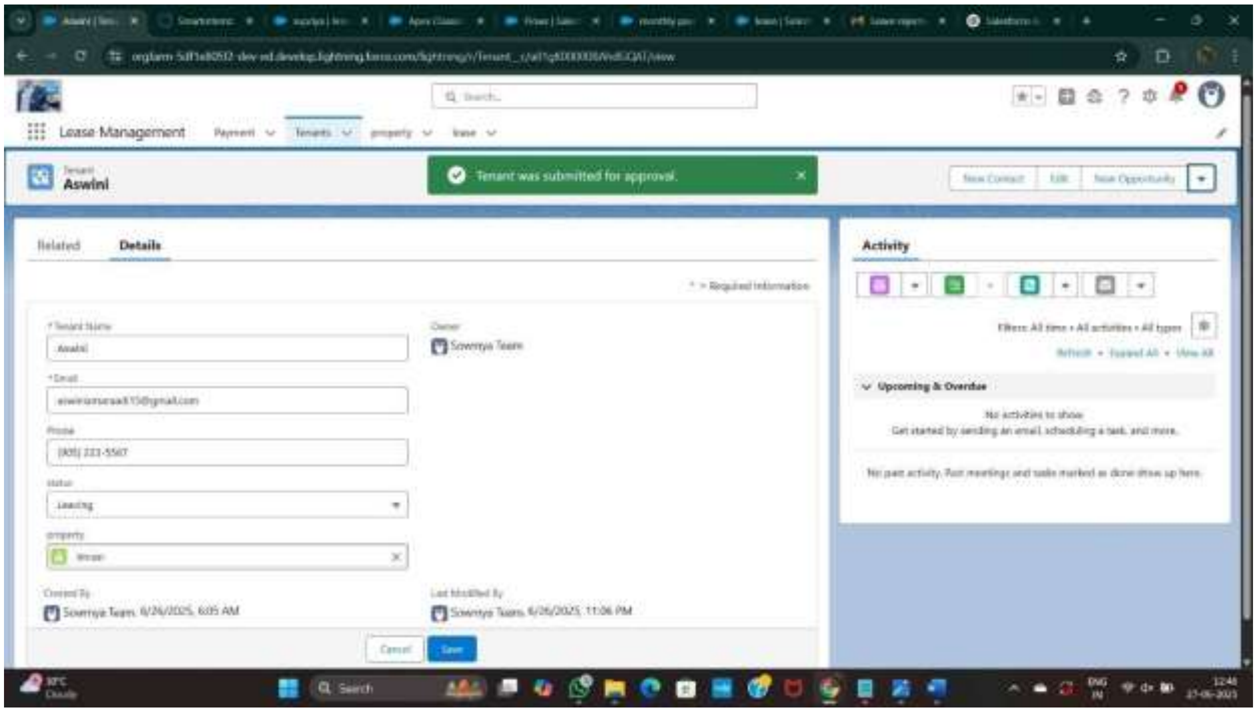

Lease Management

Tenant
Aswini

Related **Details**

* = Required Information

* Tenant Name: Aswini
Owner: Sowmya Team
* Email: aswiniramarao815@gmail.com
Phone: (905) 222-5567
status: Leasing
property: Vinam
Created By: Sowmya Team, 6/26/2025, 6:05 AM
Last Modified By: Sowmya Team, 6/26/2025, 11:06 PM


Tenant was submitted for approval.

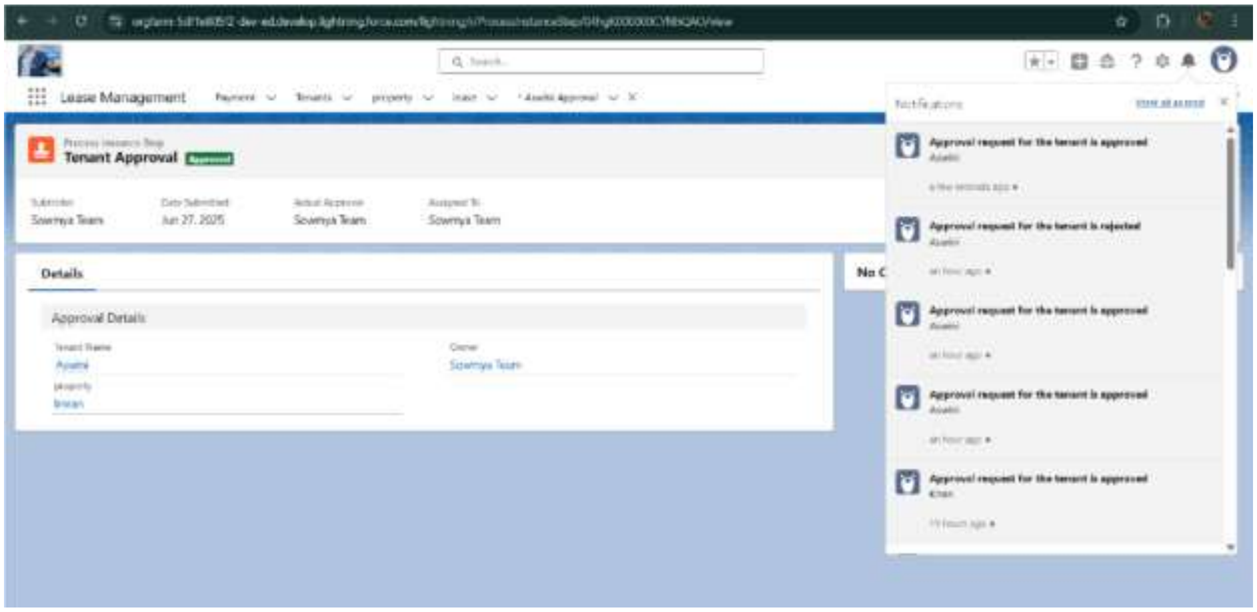
Tenant
Aswini

Related **Details**

* = Required Information

* Tenant Name: Aswini
Owner: Sowmya Team
* Email: aswiniramarao815@gmail.com
Phone: (905) 222-5567
status: Leasing
property: Vinam
Created By: Sowmya Team, 6/26/2025, 6:05 AM
Last Modified By: Sowmya Team, 6/26/2025, 11:06 PM

Lease Management
New Contact
Edit
New Opportunity
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.
Cancel
Save
Search
12:46
27-06-2025



Tenant Approval

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

Details

Approval Details

Tenant Name	Owner
Ayathi	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

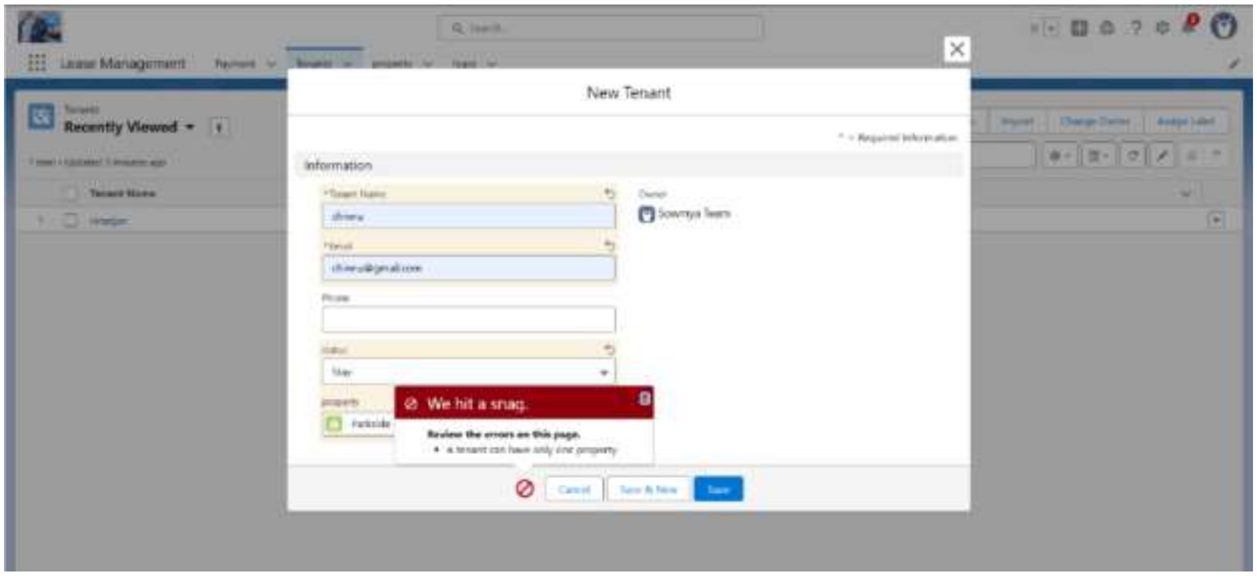
Approval request for the tenant is approved

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: dhiera

*Email: dhieru@gmail.com

Phone:

status: Stay

property: Parkside

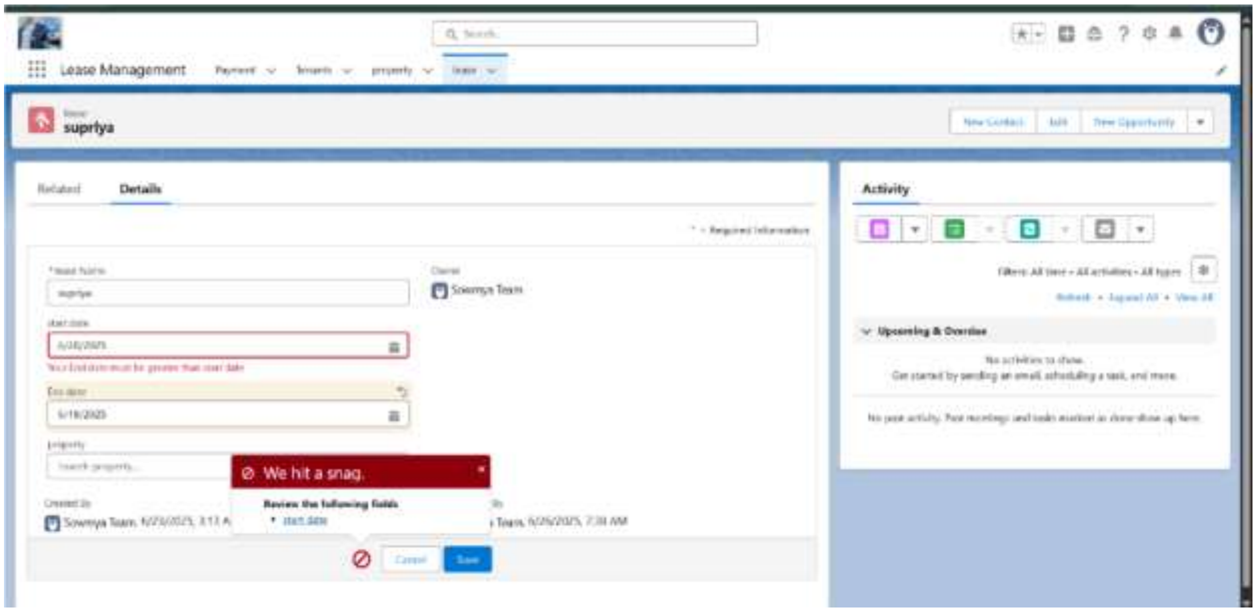
Owner: Sowmya Team

We hit a snag.

Review the errors on this page.

- a tenant can have only one property

- Validation Rule checking


Lease Management

lease
suprlya

*lease Name: supriya

start date: 6/28/2025

Your End date must be greater than start date

End date: 6/19/2025

property: Search property...

Owner: Sowmya Team

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

Team, 6/26/2025, 7:38 AM

We hit a snag.

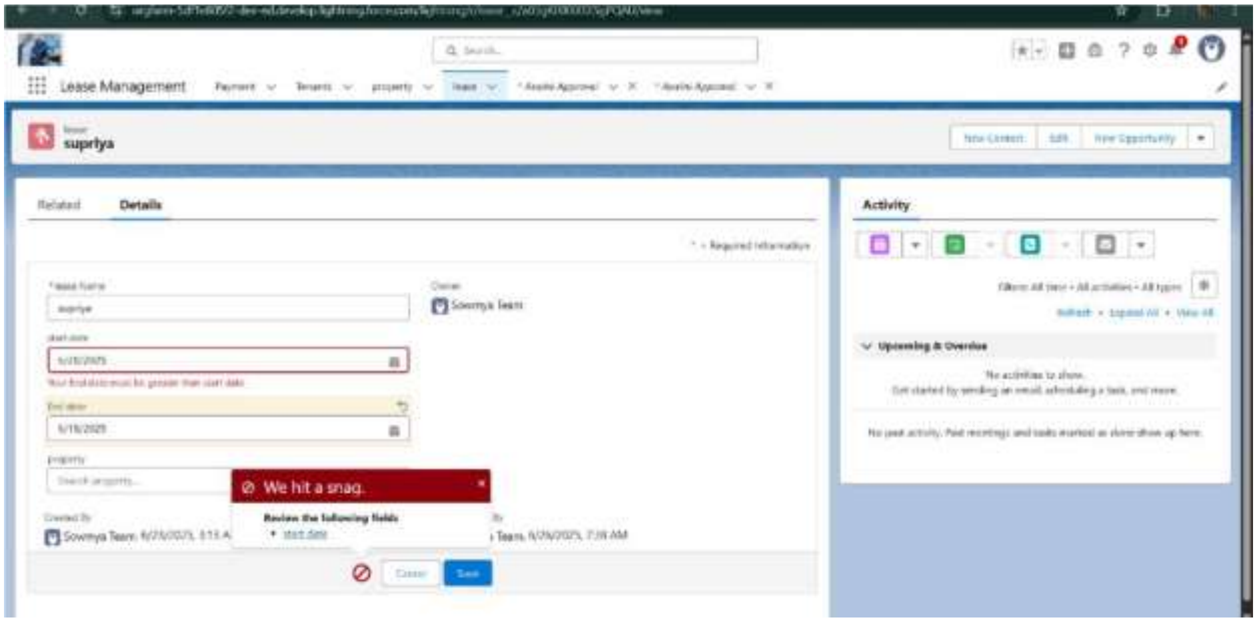
Review the following fields

- start date

Activity

No activities to show.

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


Lease Management

lease
supriya

Related | Details

*lease Name: supriya
Owner: Sowmya Team
start date: 6/21/2025
Your End date must be greater than start date
End date: 6/19/2025
property: Search properties...
Created By: Sowmya Team, 6/25/2025, 8:13 A
Sowmya Team, 6/26/2025, 7:38 AM

We hit a snag.
Review the following fields
- start date

Cancel | Save

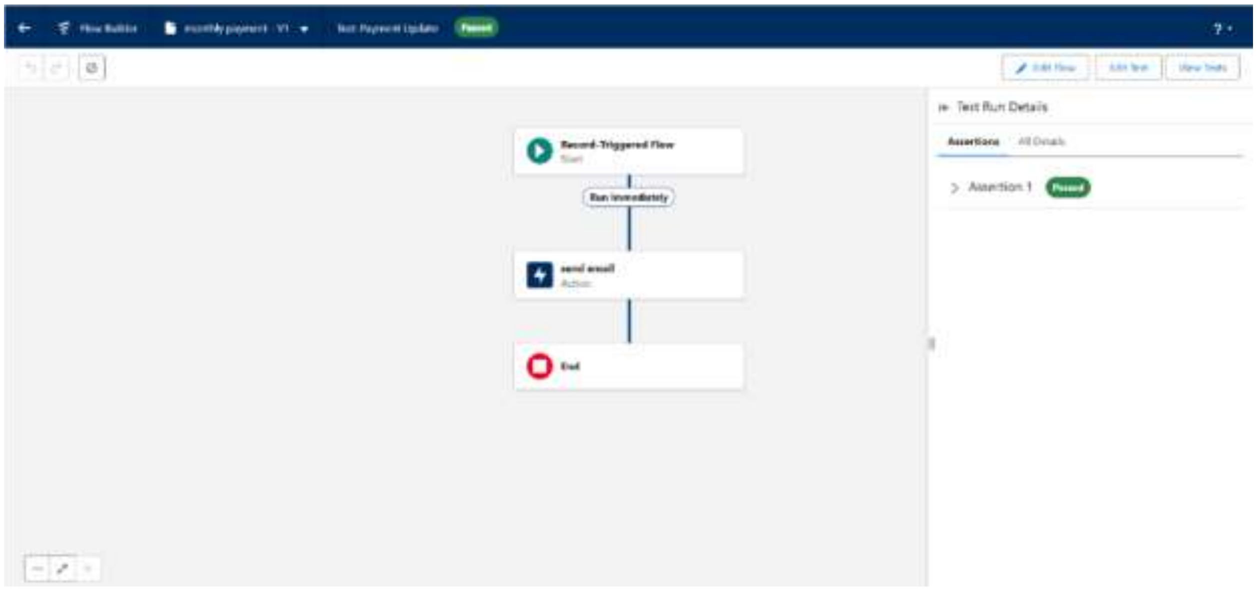
Activity

Upcoming & Overdue

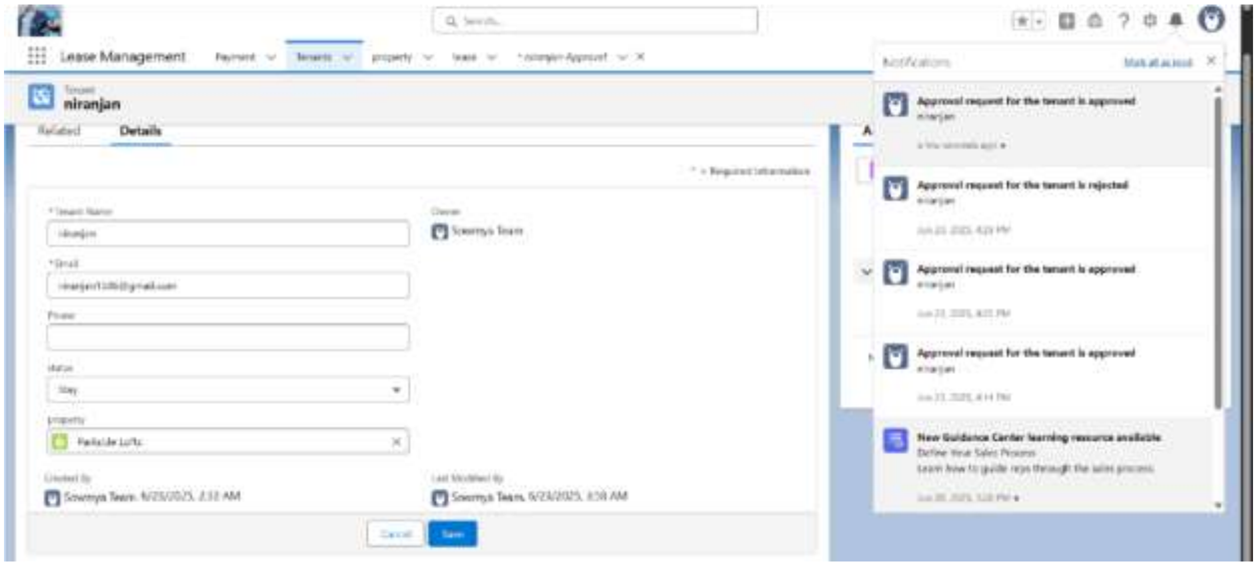
No activities to show.
Get started by sending an email, scheduling a task, and more.

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

- Test flows on payment update



- Approval process validated through email alerts and status updates



Tenant
niranjan

* = Required Information

* Tenant Name: niranjan	Owner: Sowmya Team
* Email: niranjan1130@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

Notifications — Mark all as read

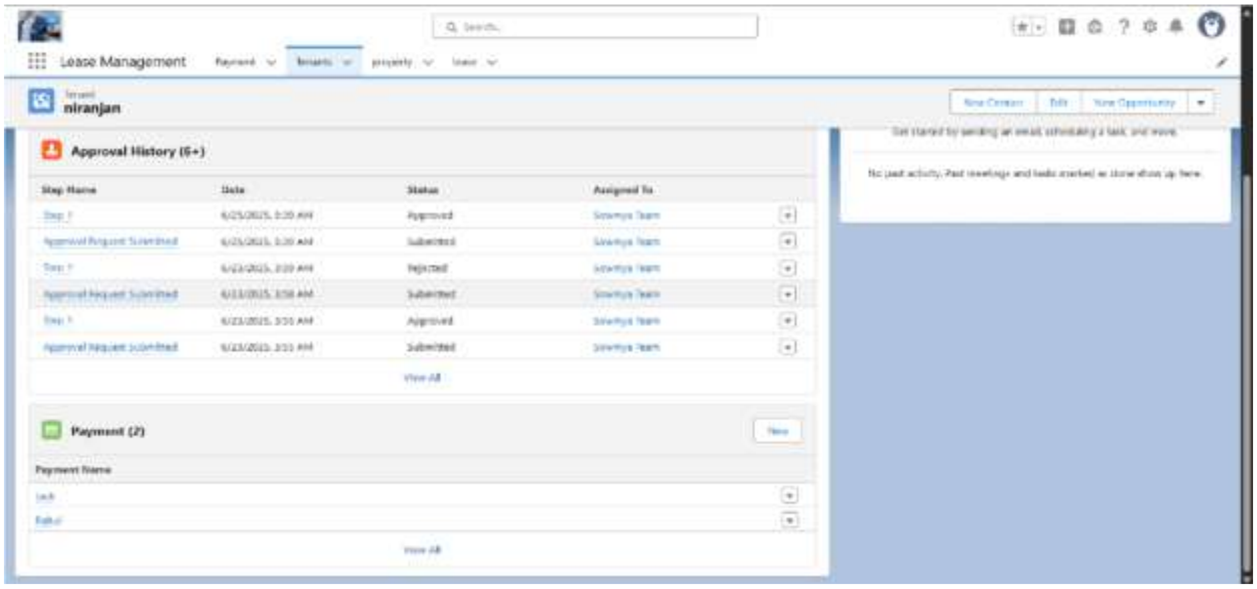
Approval request for the tenant is approved
niranjan
a few seconds ago

Approval request for the tenant is rejected
niranjan
Jun 23, 2025, 4:23 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, 3:20 PM



Tenant
niranjan

Approval History (6+)

Step Name	Date	Status	Assigned To
Step 1	6/25/2025, 3:20 AM	Approved	Sowmya Team
Approval Request Submitted	6/25/2025, 3:20 AM	Submitted	Sowmya Team
Step 1	6/23/2025, 3:59 AM	Rejected	Sowmya Team
Approval Request Submitted	6/23/2025, 3:58 AM	Submitted	Sowmya Team
Step 1	6/23/2025, 3:51 AM	Approved	Sowmya Team
Approval Request Submitted	6/23/2025, 3:51 AM	Submitted	Sowmya Team

Payment (2)

Payment Name
Lack
Rahul

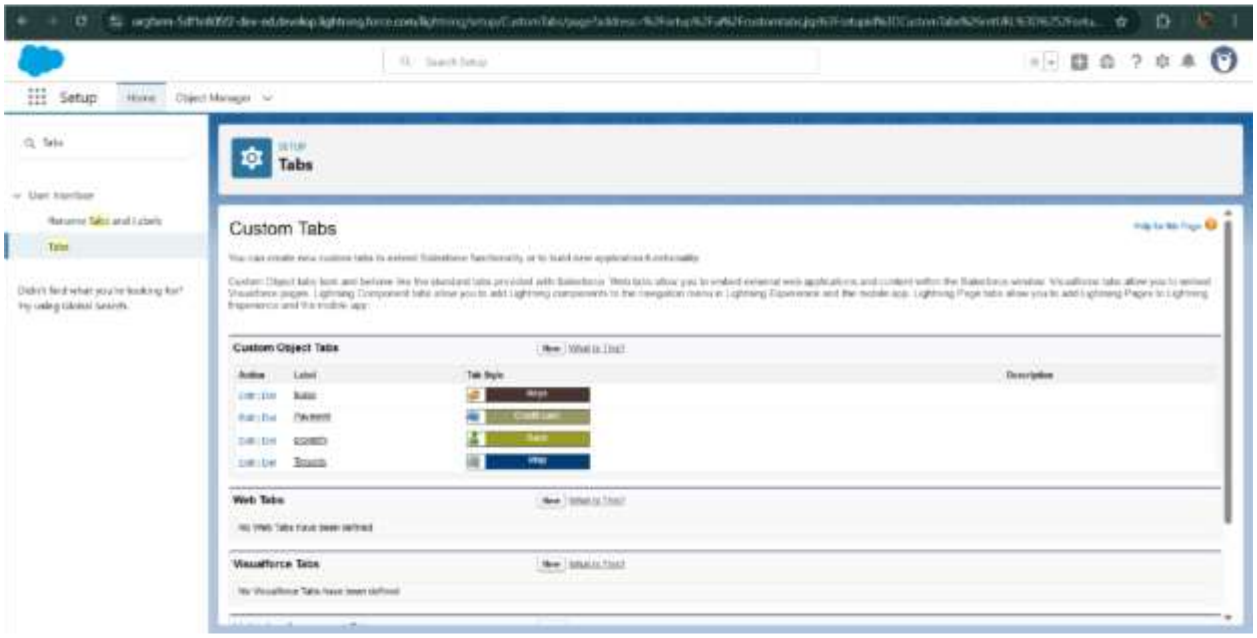
Get started by sending an email, scheduling a task, and more.

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

RESULTS

Output Screenshots

- Tabs for Property, Tenant, Lease, Payment



Setup

Tabs

Custom Tabs

[illegible]

Custom Object Tabs

Action	Label	Tab Style	Description
Edit | Del	lease	[illegible]	
Edit | Del	Payment	Credit card	
Edit | Del	property	Bank	
Edit | Del	Tenants	Map	

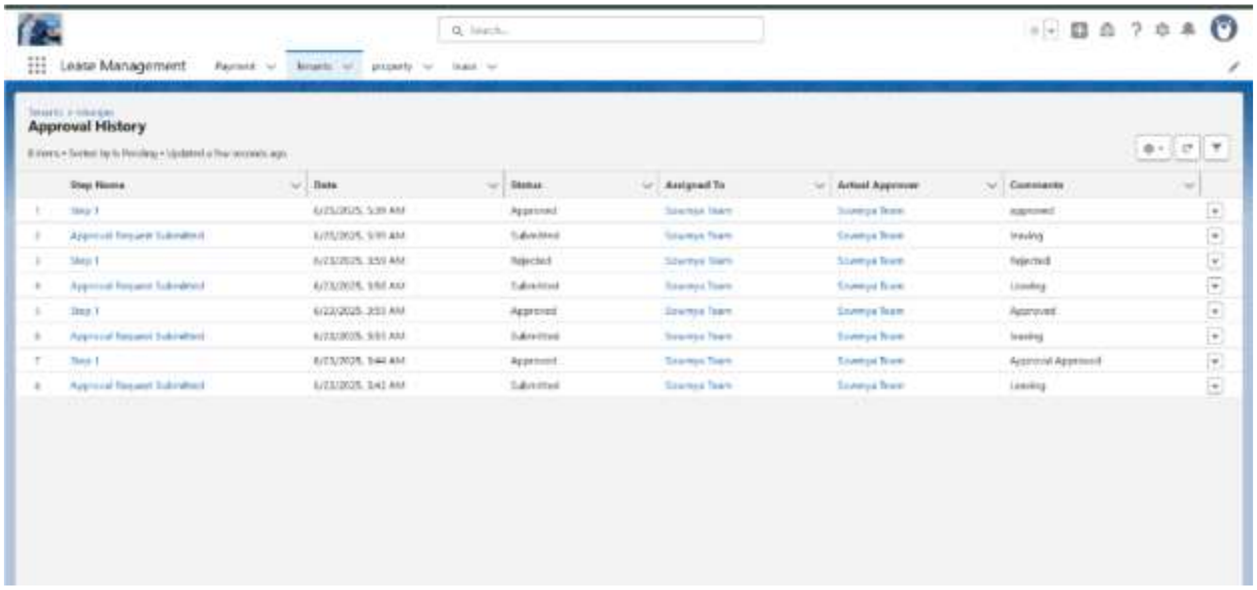
Web Tabs

No Web Tabs have been defined

Visualforce Tabs

No Visualforce Tabs have been defined

- Email alerts



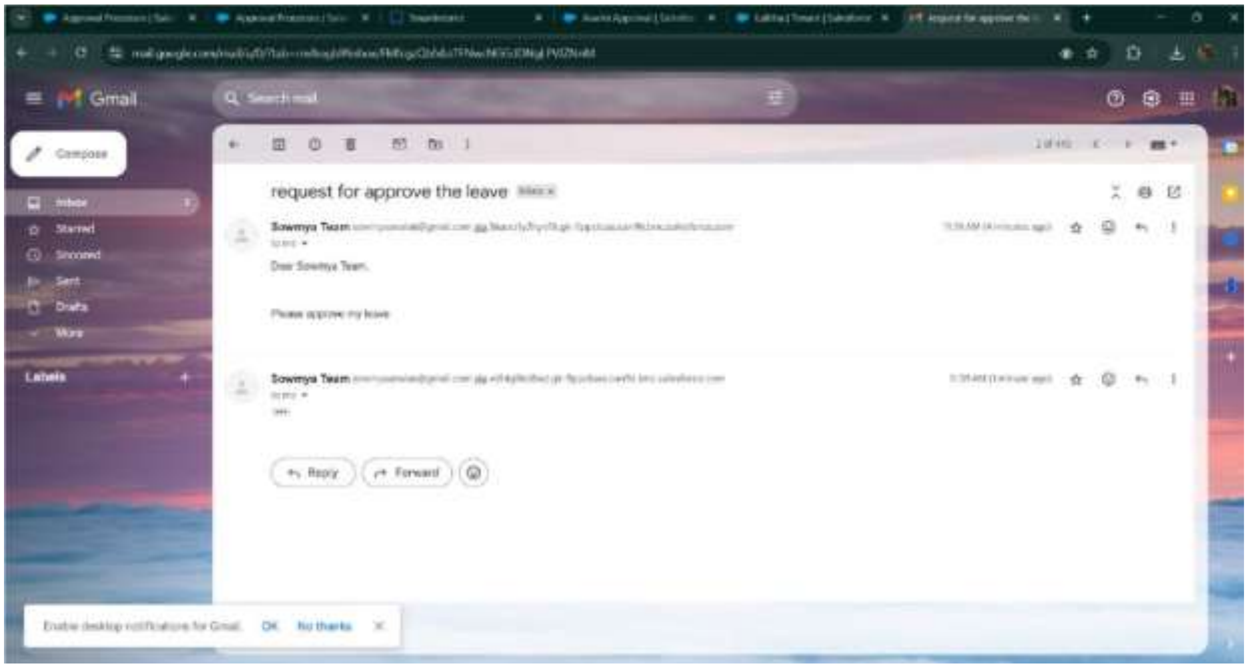
Lease Management

Approval History

8 items • Sorted by Is Pending • Updated a few seconds ago

	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	leaving
3	Step 1	6/23/2025, 3:59 AM	Rejected	Sowmya Team	Sowmya Team	Rejected
4	Approval Request Submitted	6/23/2025, 3:58 AM	Submitted	Sowmya Team	Sowmya Team	Leaving
5	Step 1	6/22/2025, 3:53 AM	Approved	Sowmya Team	Sowmya Team	Approved
6	Approval Request Submitted	6/23/2025, 3:51 AM	Submitted	Sowmya Team	Sowmya Team	leaving
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	Leaving

- Request for approve the leave



request for approve the leave

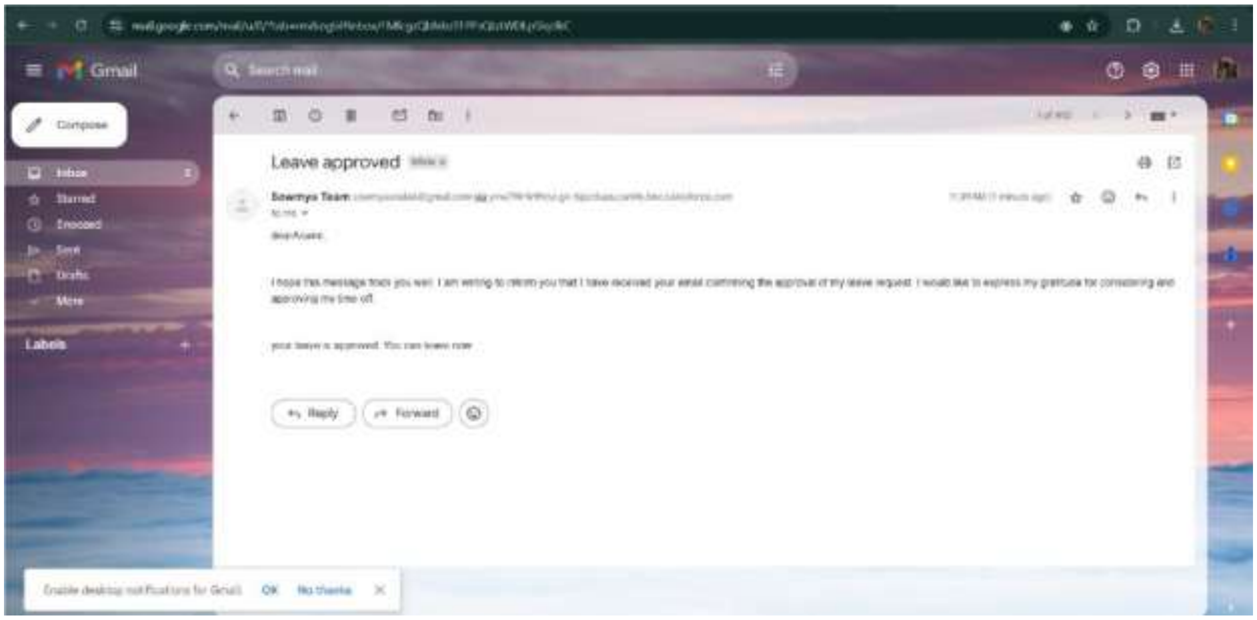
Sowmya Team

Dear Sowmya Team,

Please approve my leave

Sowmya Team

- Leave approved



Leave approved

Sowmya Team

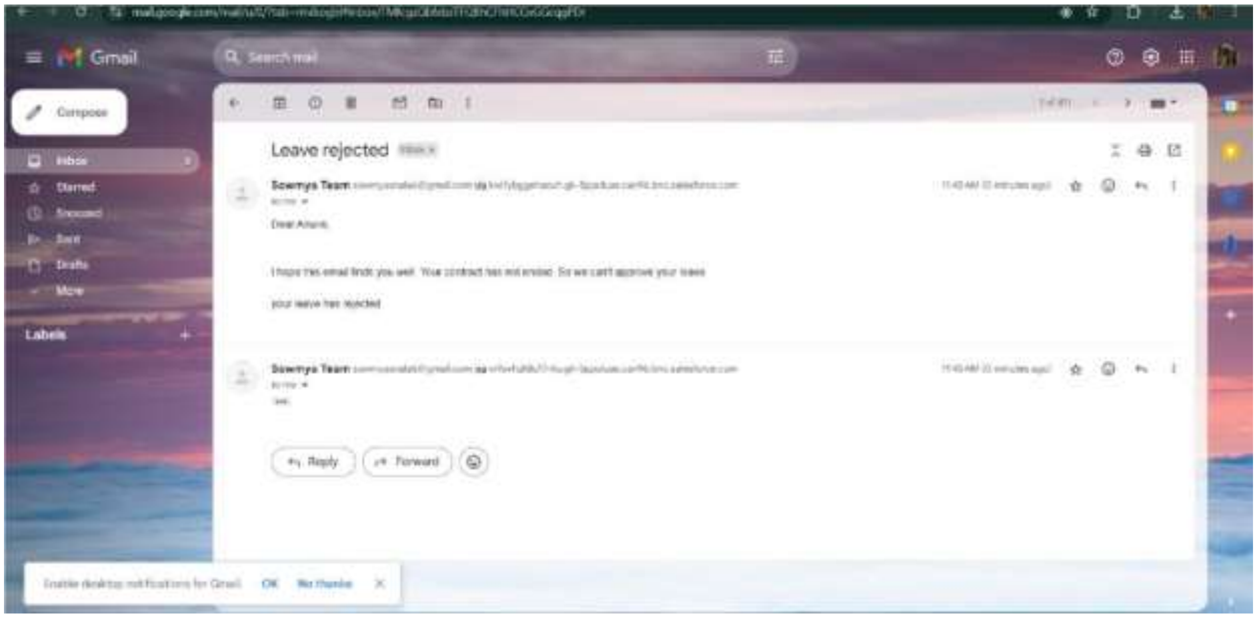
to me

dear Avani,

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

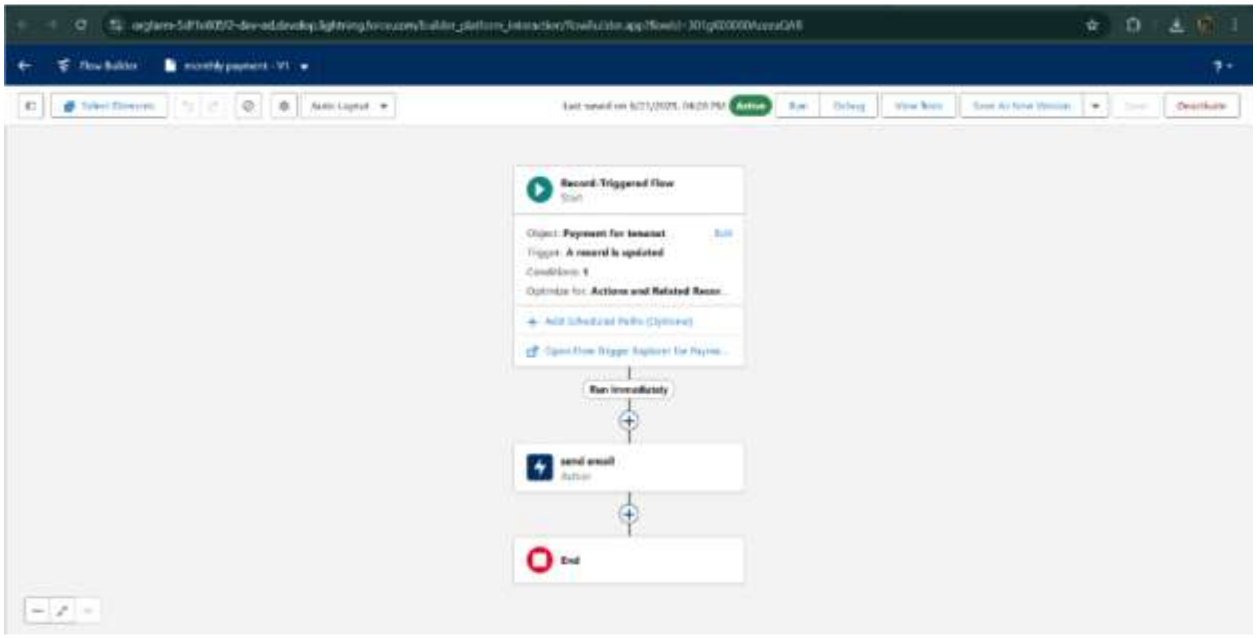
Dear Anand,

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

your leave has rejected

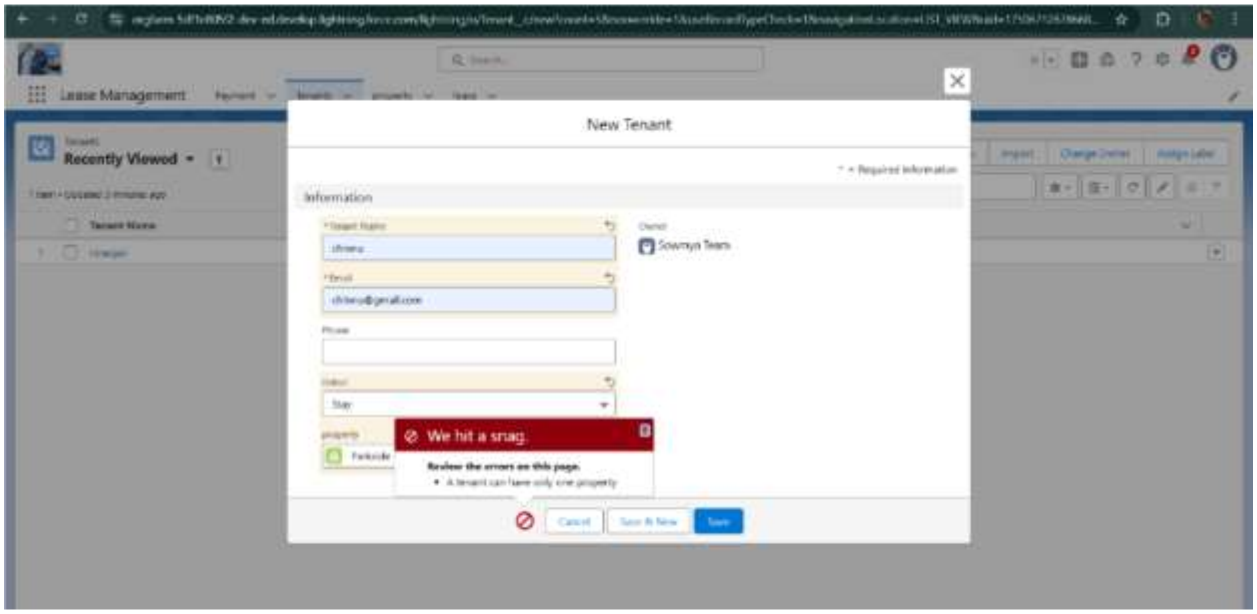
Sowmya Team

- Flow runs


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

Record-Triggered Flow
Start
Object: Payment for tenanat
Trigger: A record is updated
Conditions: 1
Optimize for: Actions and Related Recor...

- Trigger error messages



New Tenant

* = Required Information

Information

*Tenant Name: chinnu

*Email: chinnu@gmail.com

Phone:

Status: Stay

property: Parkside

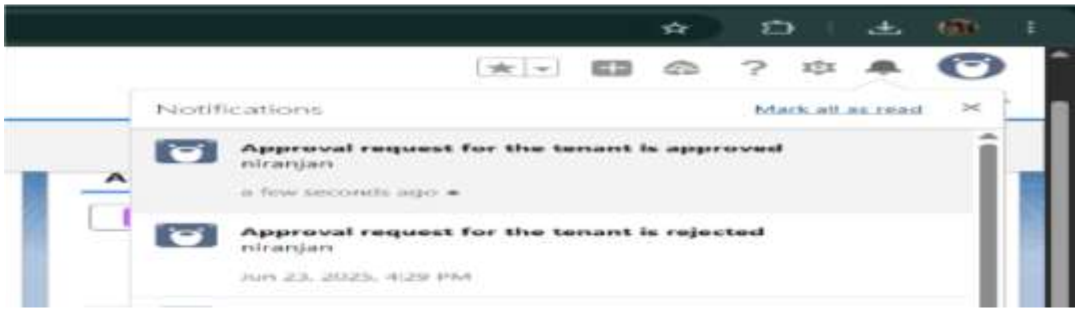
Owner: Sowmya Teeti

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});
               }
          }
     }
```