PROJECT TITLE

College Name: Nandha arts and science

College Code: BRU4J

TEAM ID:

TEAM MEMBERS:

Team LeaderName:

Email: ammunandhu056@gmail.com

Team Member1:

Email: maryesther200613@gmail.com

Team Member:

Email: kavithajayabal425@gmail.com

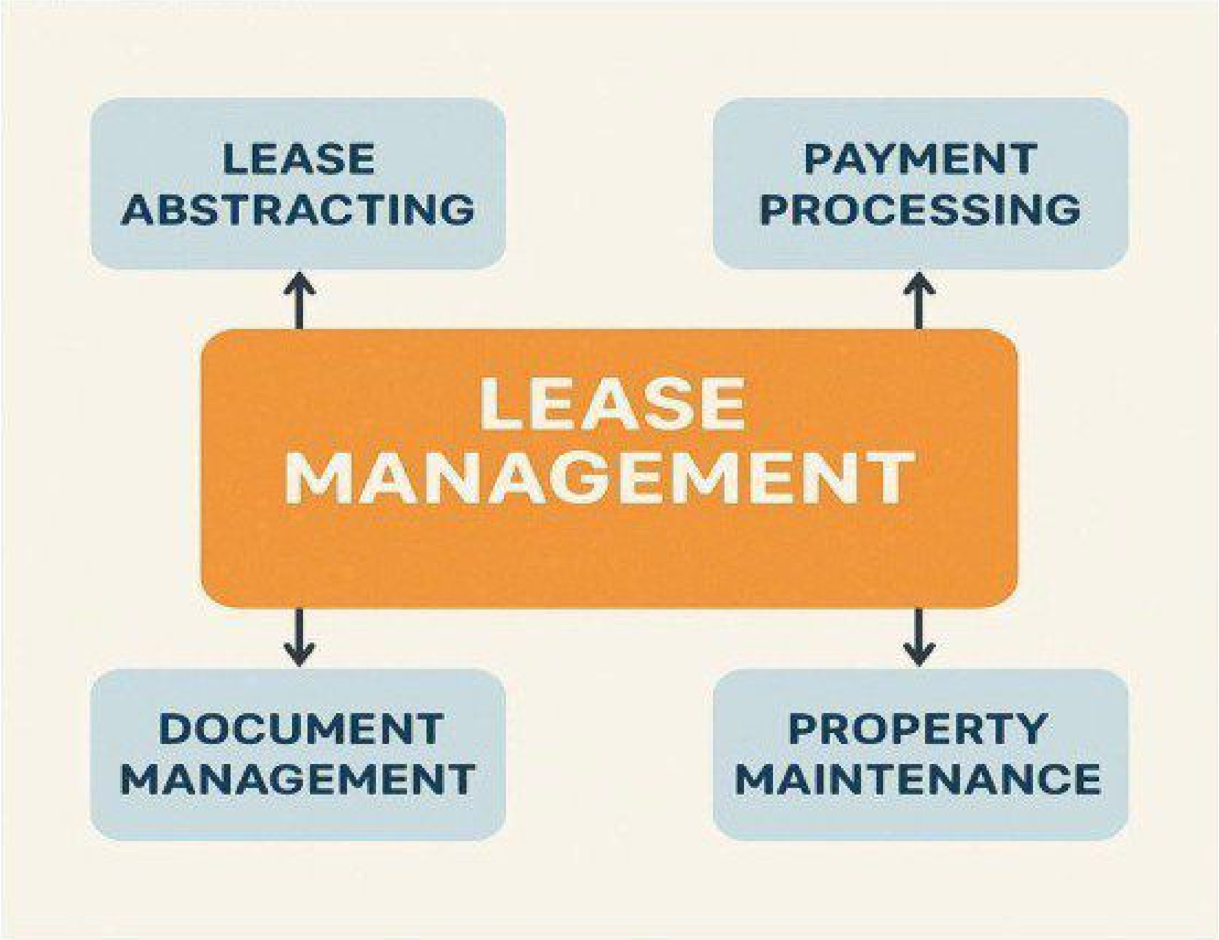
Team Member:

poojasrigowrisankar@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.



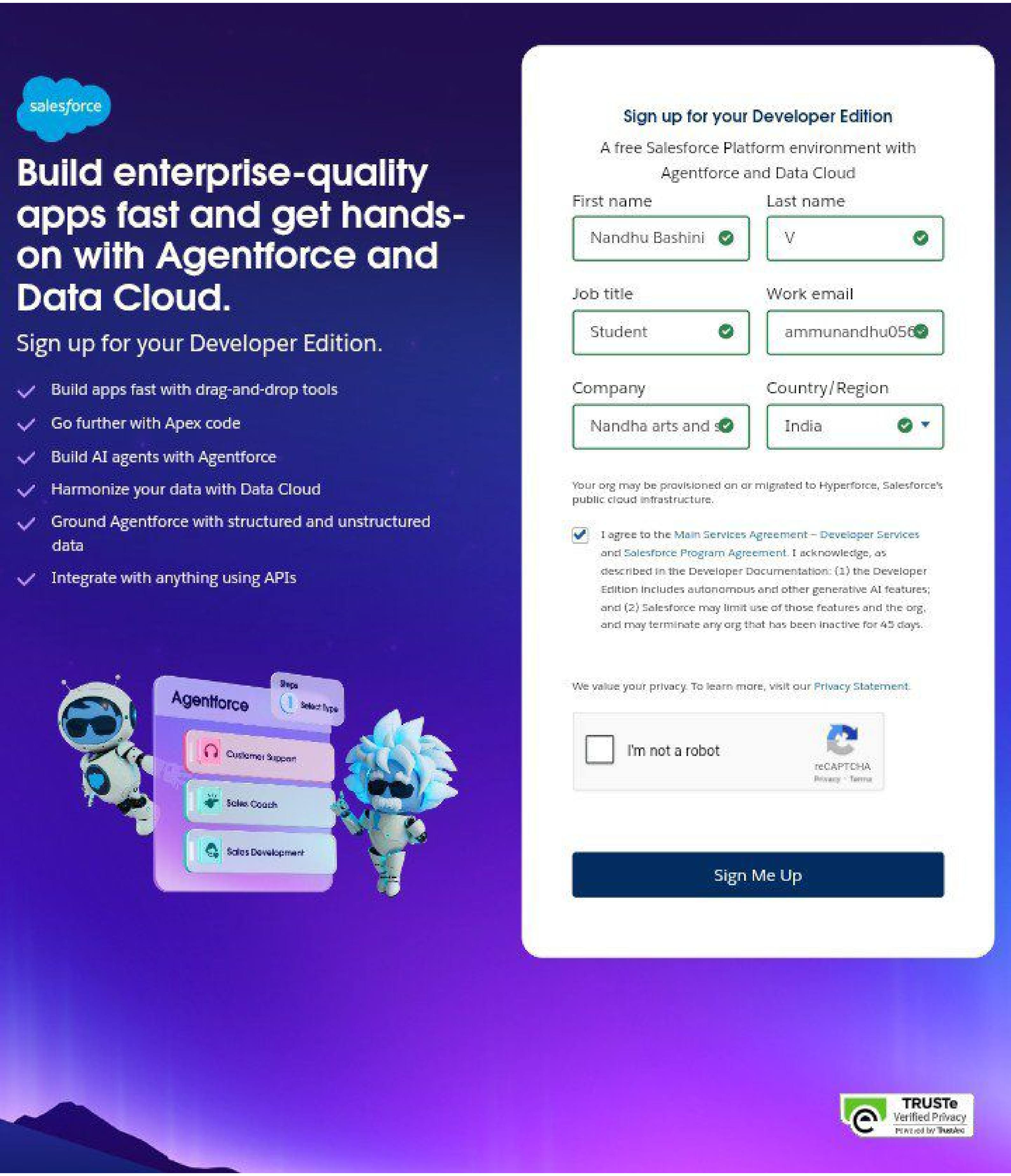
1.2 Purpose

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: Nandhu Bashini ✓

Last name: V ✓

Job title: Student ✓

Work email: ammunandhu056 ✓

Company: Nandha arts and s ✓

Country/Region: India ✓ ▾

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

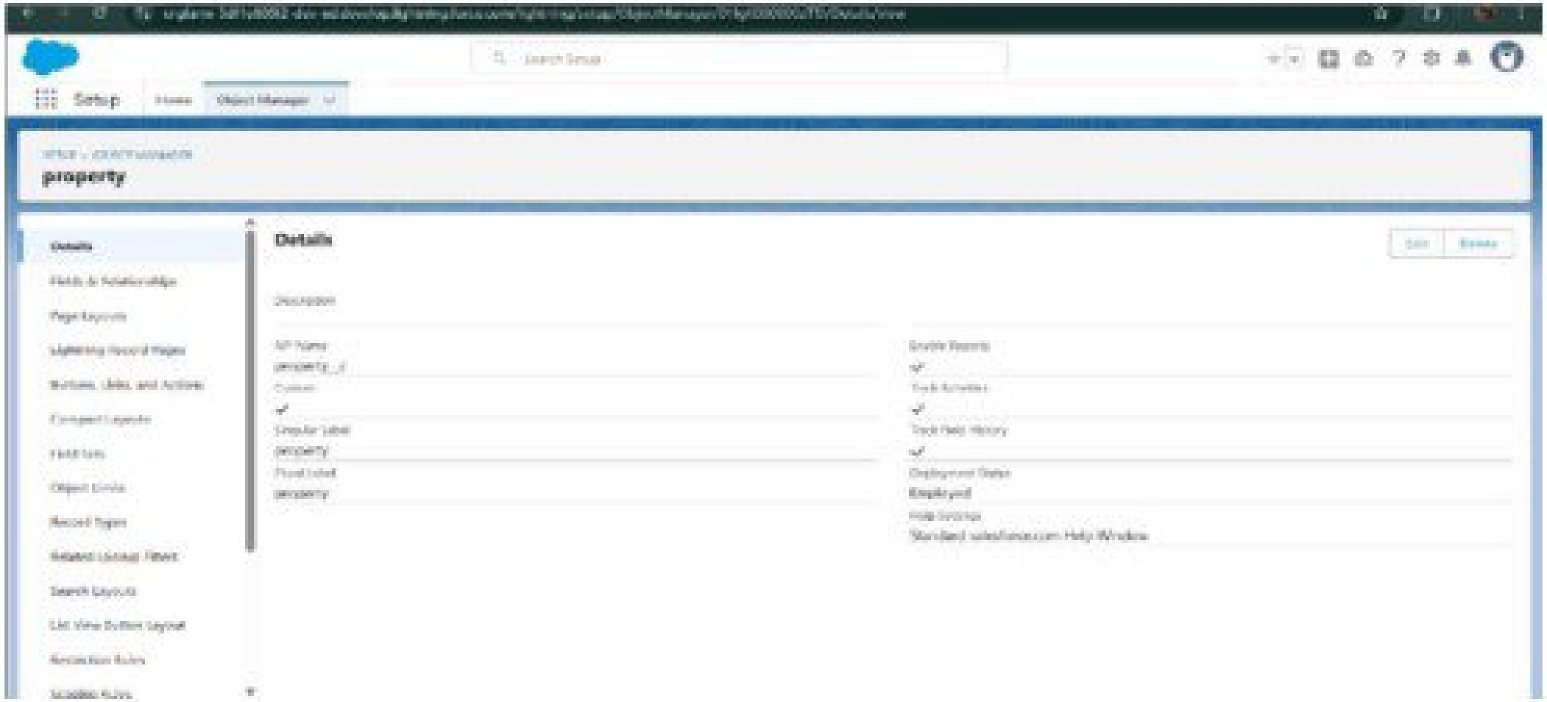
☑ I agree to the Main Services Agreement – Developer Services and Salesforce Program Agreement. I acknowledge, as described in the Developer Documentation: (1) the Developer Edition includes autonomous and other generative AI features; and (2) Salesforce may limit use of those features and the org, and 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

Sign Me Up

- Created objects: Property, Tenant, Lease, Payment



property

Details

Description

API Name
property__c

Custom
✓

Singular Label
property

Plural Label
property

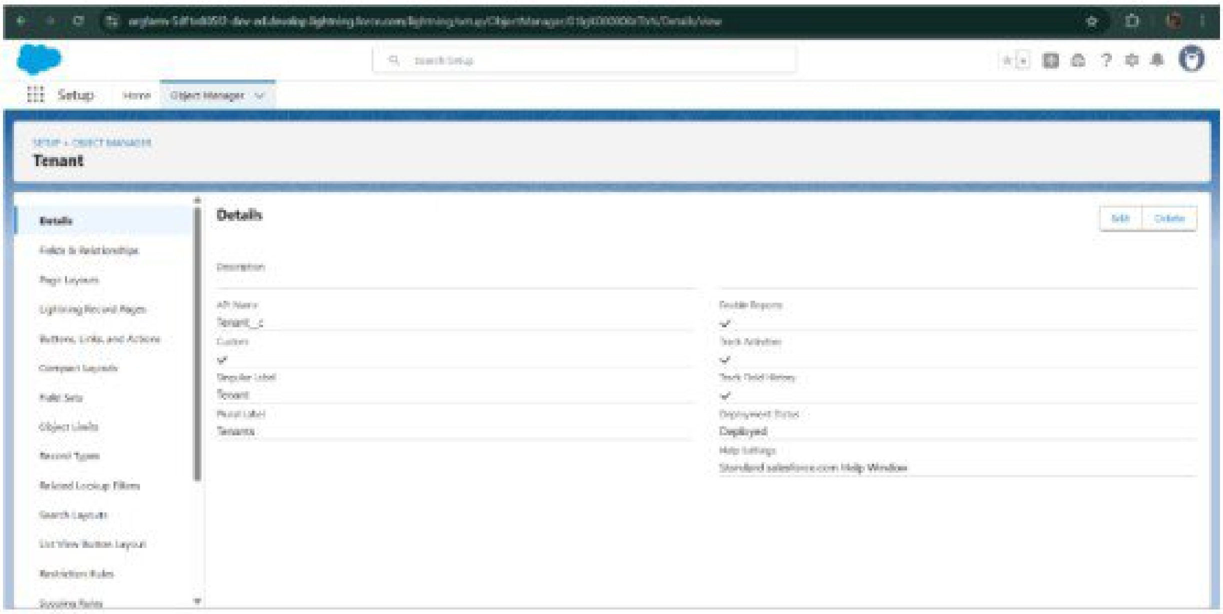
Enable Reports
✓

Track Activities
✓

Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window



Tenant

Details

Description

API Name
Tenant__c

Custom
✓

Singular Label
Tenant

Plural Label
Tenants

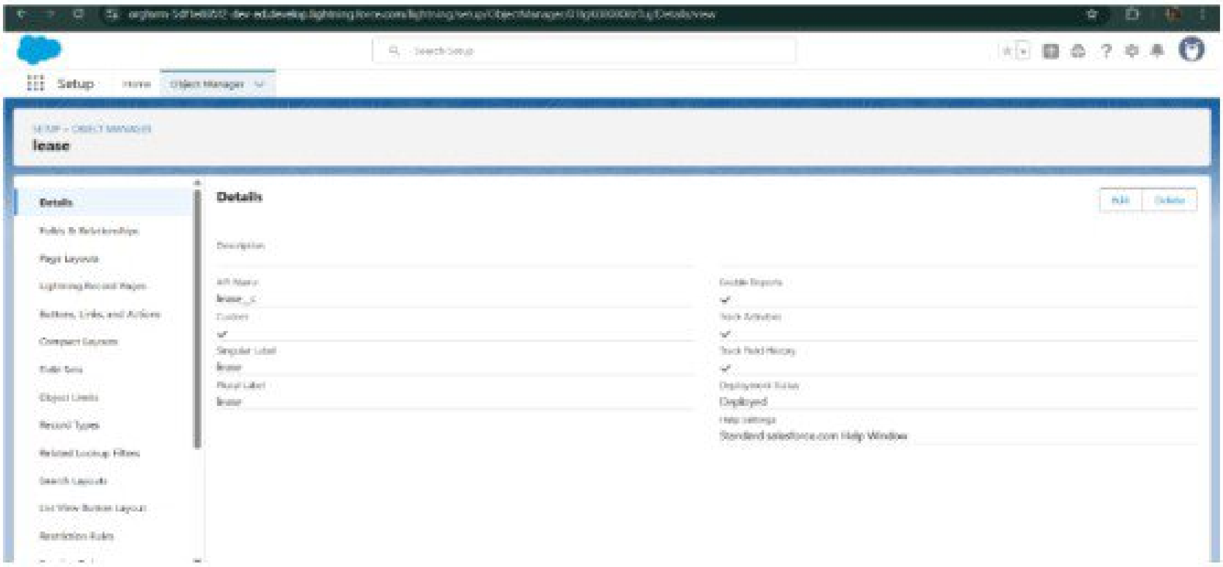
Enable Reports
✓

Track Activities
✓

Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window



lease

Details

Description

API Name
lease__c

Custom
✓

Singular Label
lease

Plural Label
lease

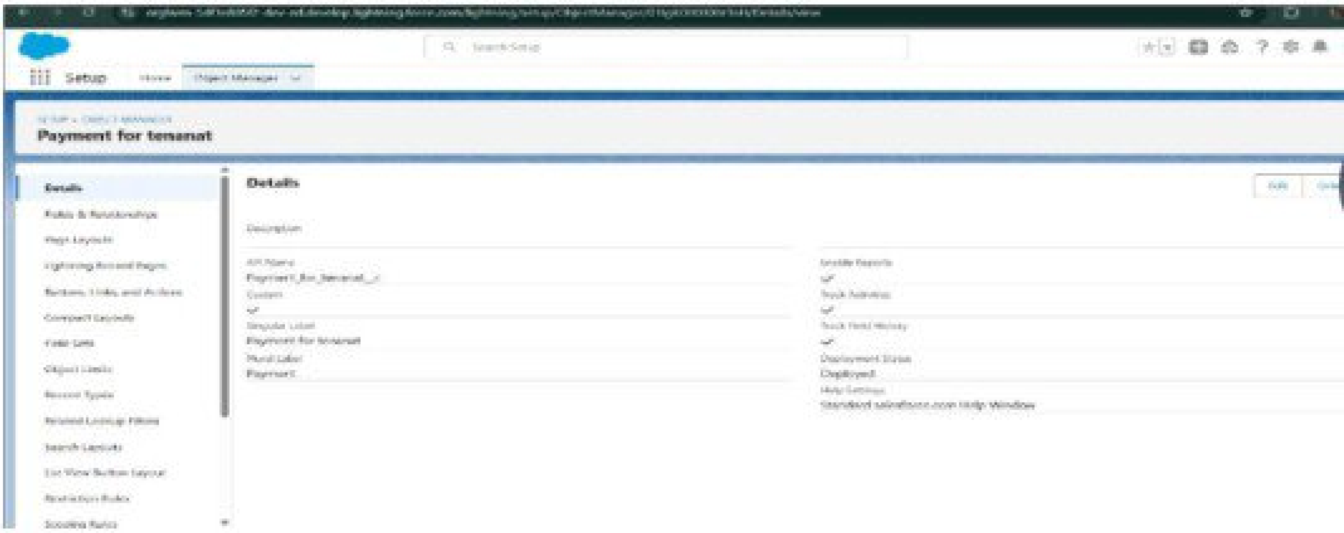
Enable Reports
✓

Track Activities
✓

Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window



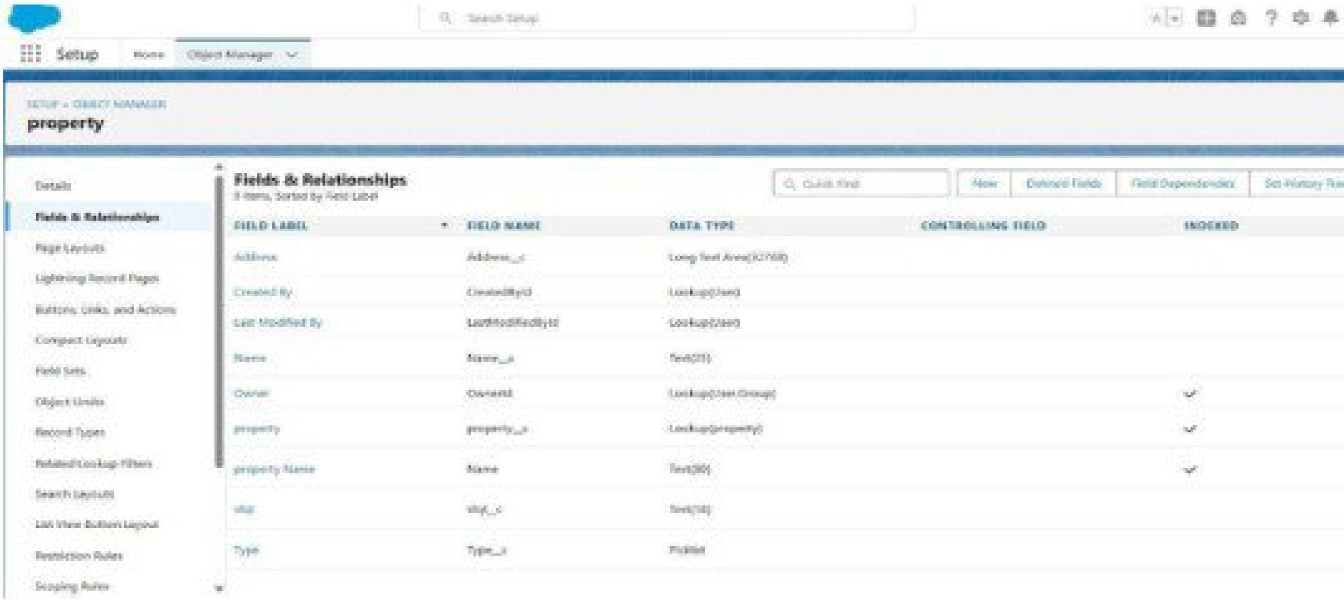
Payment for tenanat

Details

Description

API Name 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

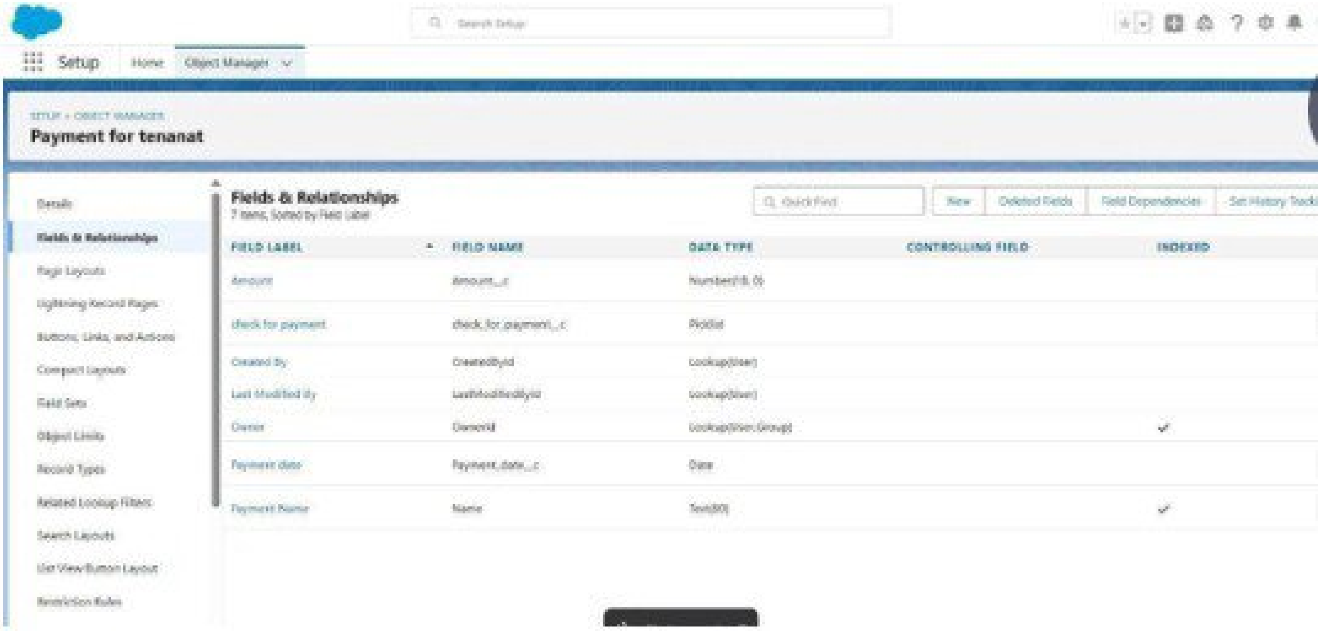


property

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(18)		
Type	Type__c	Picklist		



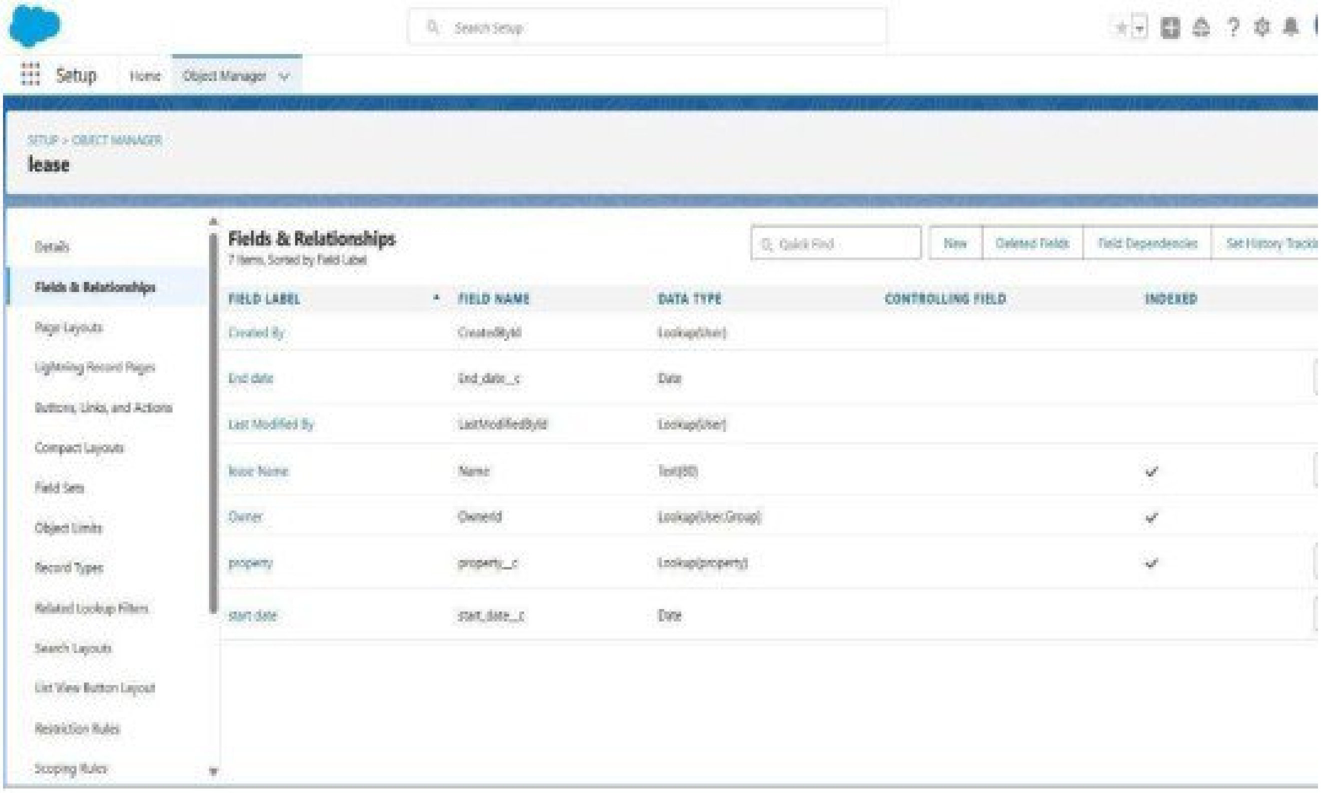
SETUP > OBJECT MANAGER

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)		✓



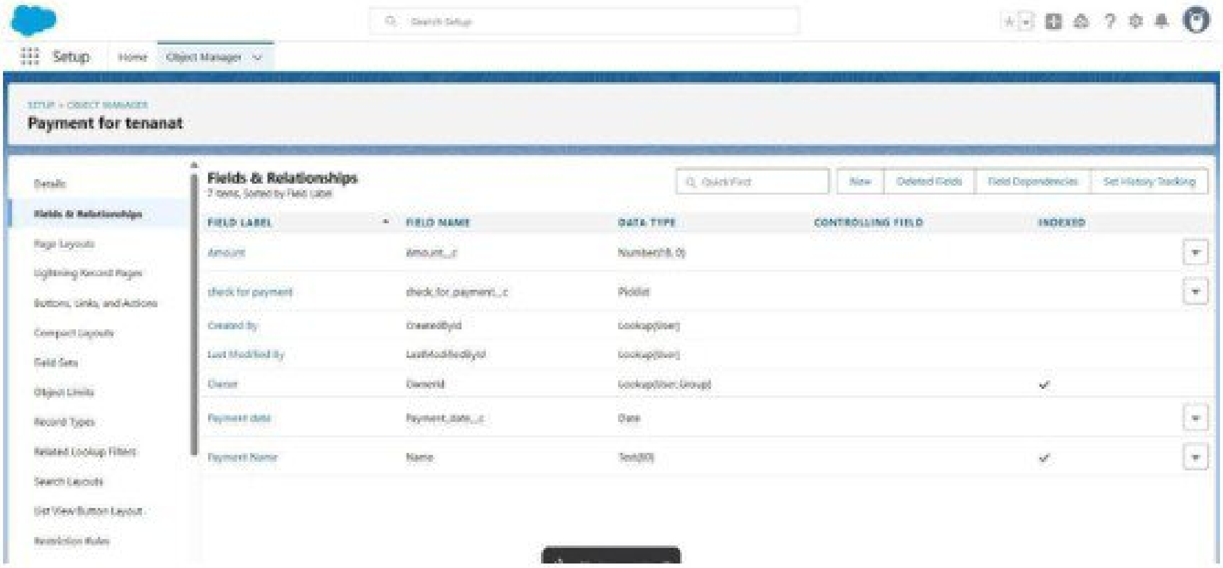
SETUP > OBJECT MANAGER

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		

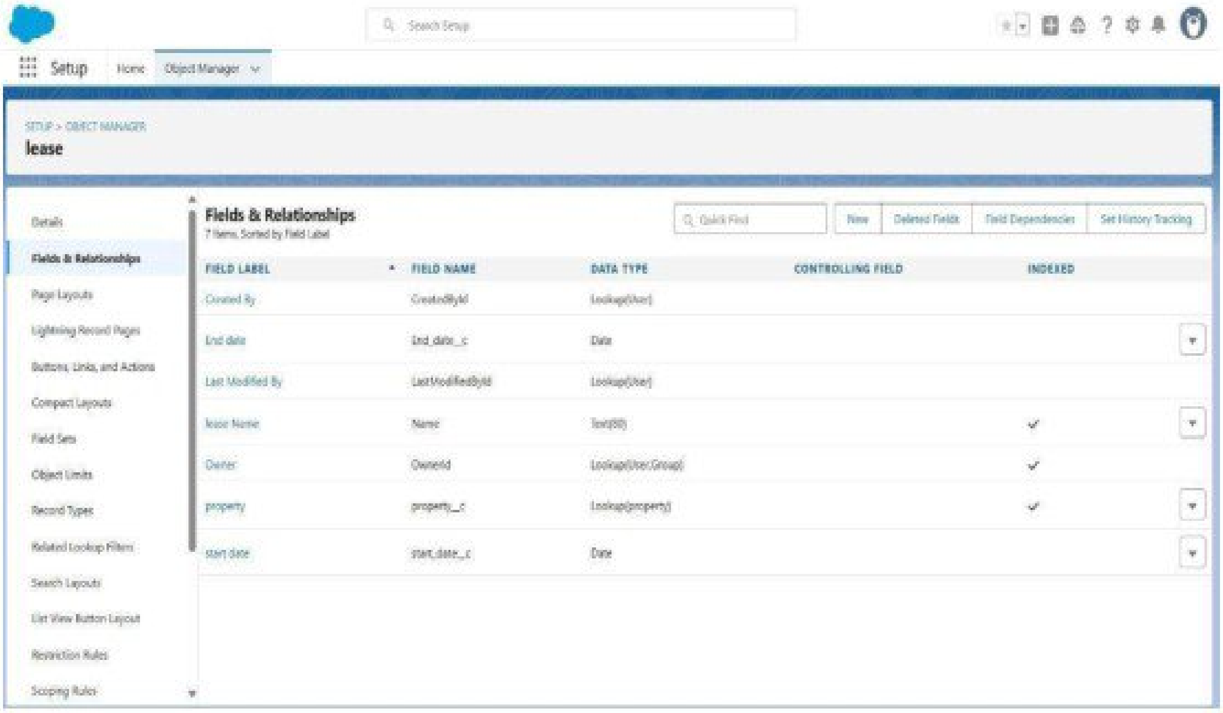


Payment for tenanat

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)		✓

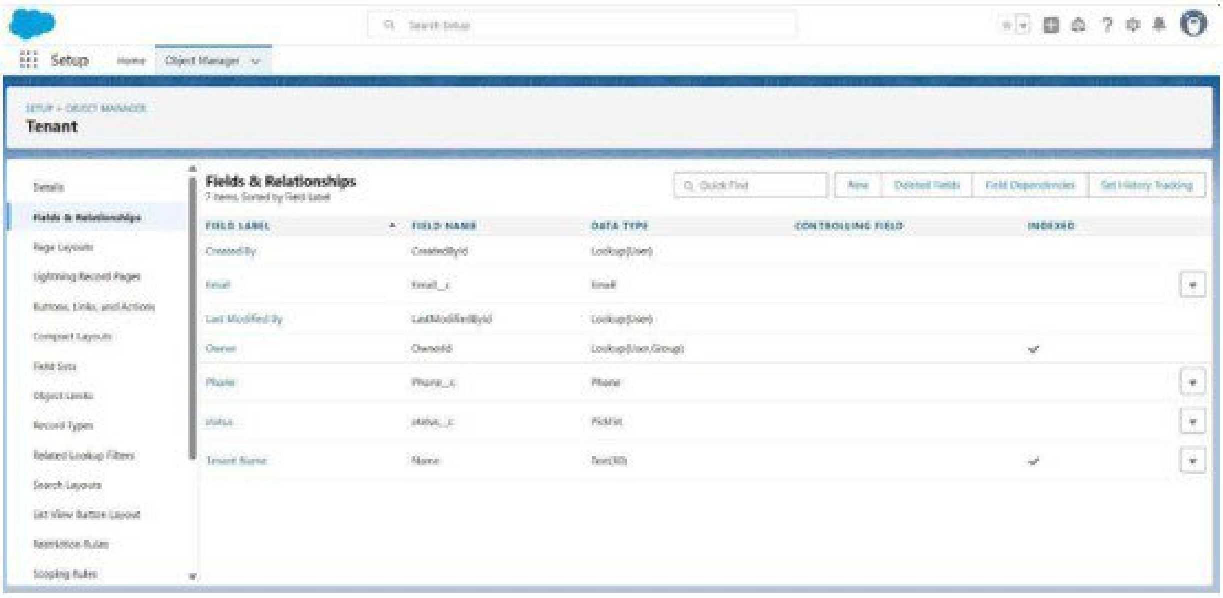


lease

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

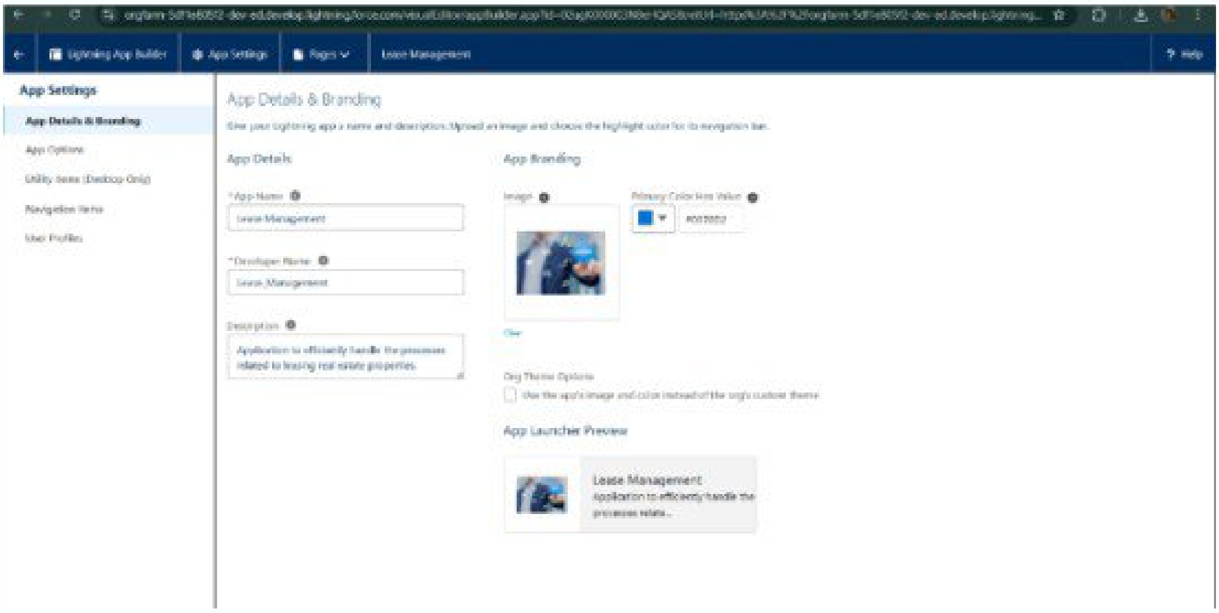
Tenant

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

Image

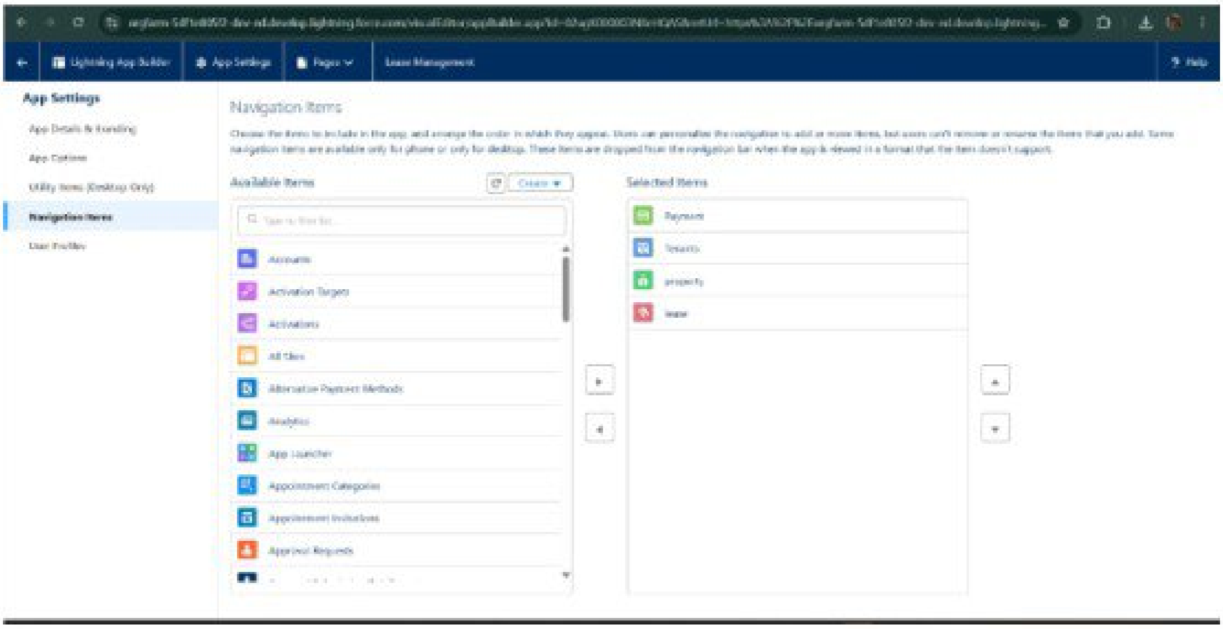
Primary Color Hex Value: #0070D2

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

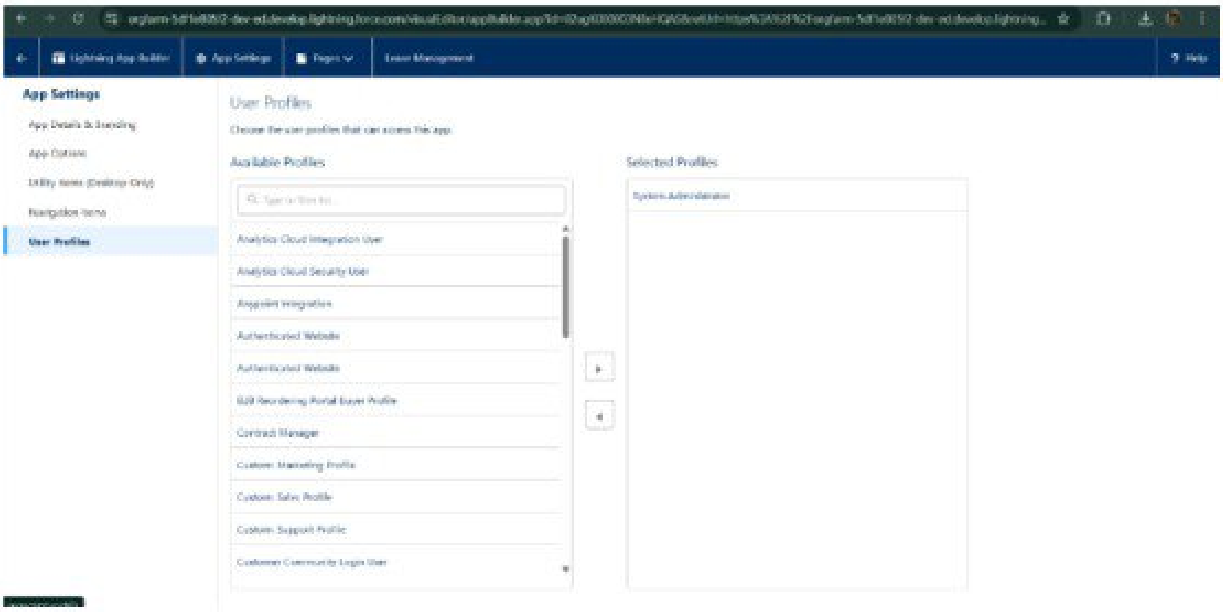
Choose the items to include in the app, and arrange the order in which they appear. Users can personalize the navigation to add or move items, but users can't remove or rename the items that you add. Some navigation items are available only for phone or only for desktop. These items are dropped from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

Available Items

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

Selected Items

- Payment
- Tenants
- property
- lease



User Profiles

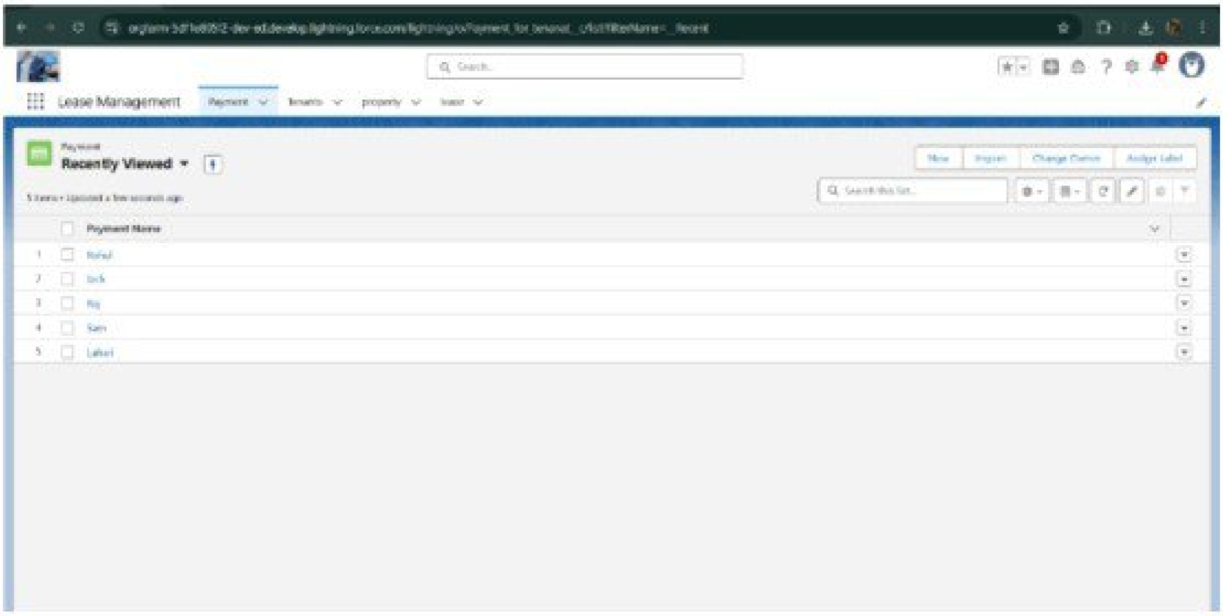
Choose the user profiles that can access this app.

Available Profiles

- 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



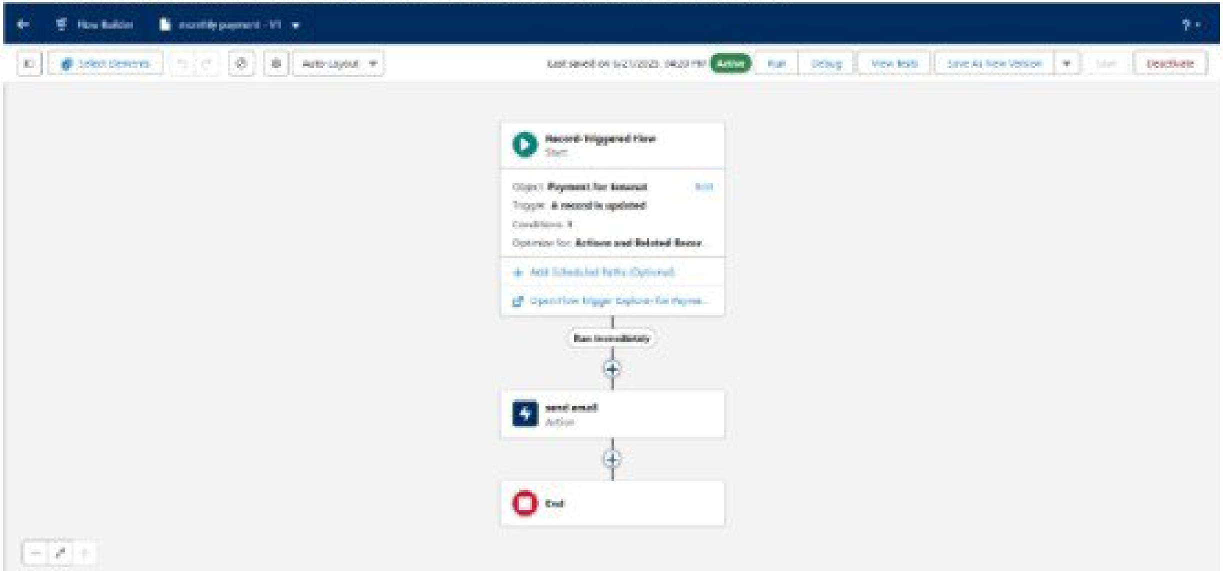
Payment

Recently Viewed

5 items • Updated a few seconds ago

	Payment Name
1	Rahul
2	Sirk
3	Raj
4	Sam
5	Lahari

- Implemented Flows for monthly rent and payment success



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

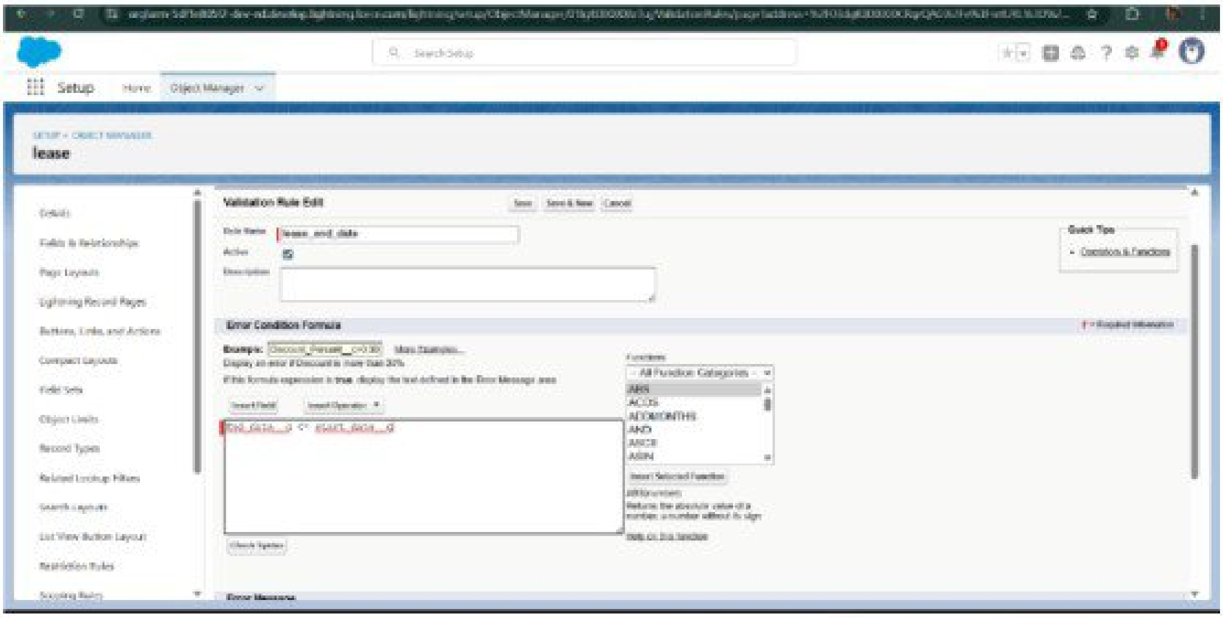
Record-Triggered Flow
Start

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

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

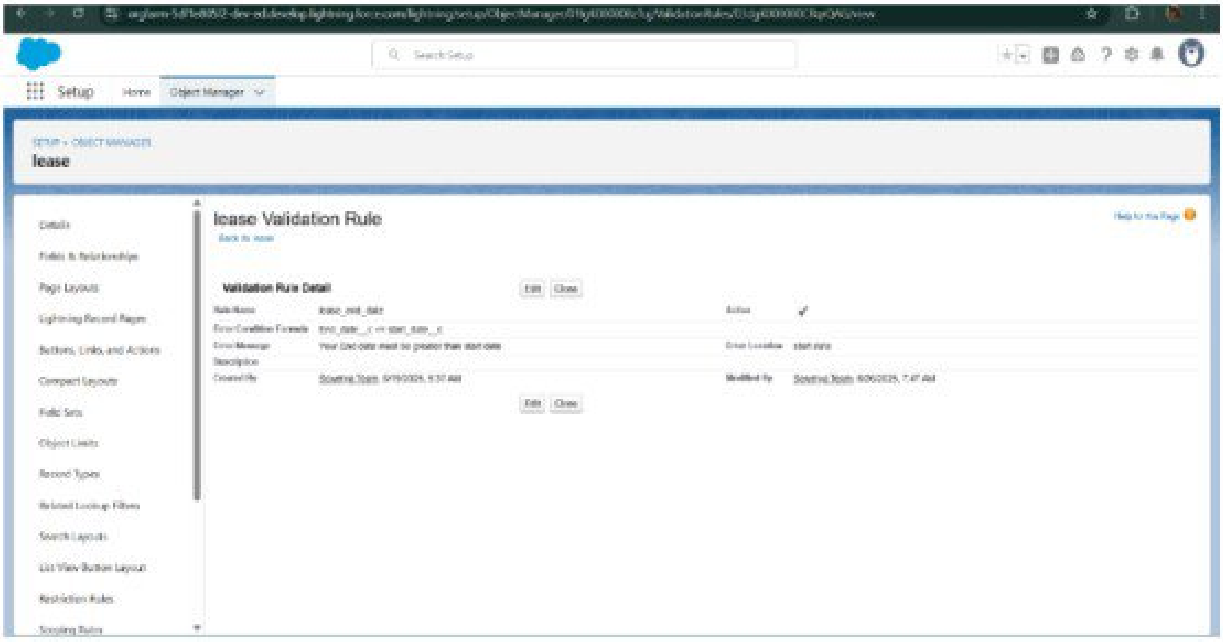
Example: Discount_Percent__c>0.30
Display an error if Discount is more than 30%
If this formula expression is true, display the text defined in the Error Message area

```
end_date__c <= start_date__c
```

Functions: -- All Function Categories --
ABS
ACOS
ADDMONTHS
AND
ASCII
ASIN

ABS(number)
Returns the absolute value of a number, a number without its sign

Error Message



lease Validation Rule

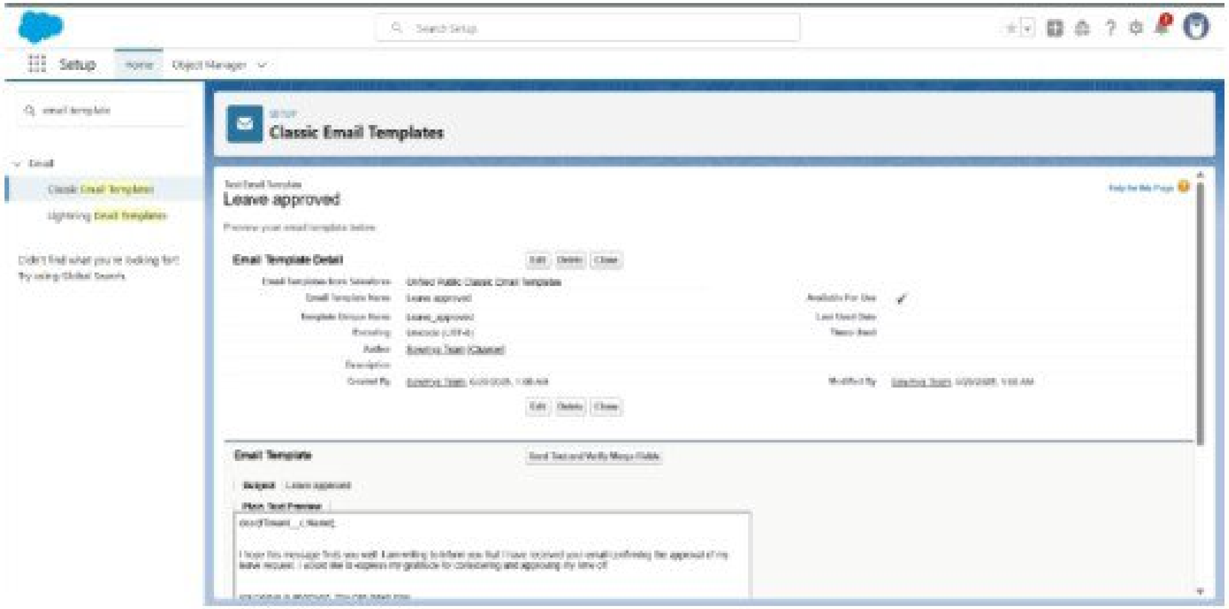
Back to lease

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	Scouting Team, 6/19/2025, 6:37 AM	Modified By	Scouting Team, 6/26/2025, 7:47 AM

- Added Apex trigger to restrict multiple tenants per property

- 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   Edit | Delete | Clone

Email Templates from Salesforce	Unfiled Public Classic Email Templates		
Email Template Name	Leave approved	Available For Use	✓
Template Unique Name	Leave_approved	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	[illegible] Team [Change]		
Description			
Created By	[illegible] Team, 6/20/2025, 1:08 AM	Modified By	[illegible] Team, 6/20/2025, 1:08 AM

Edit | Delete | Clone

Email Template   Send Test and Verify Merge Fields

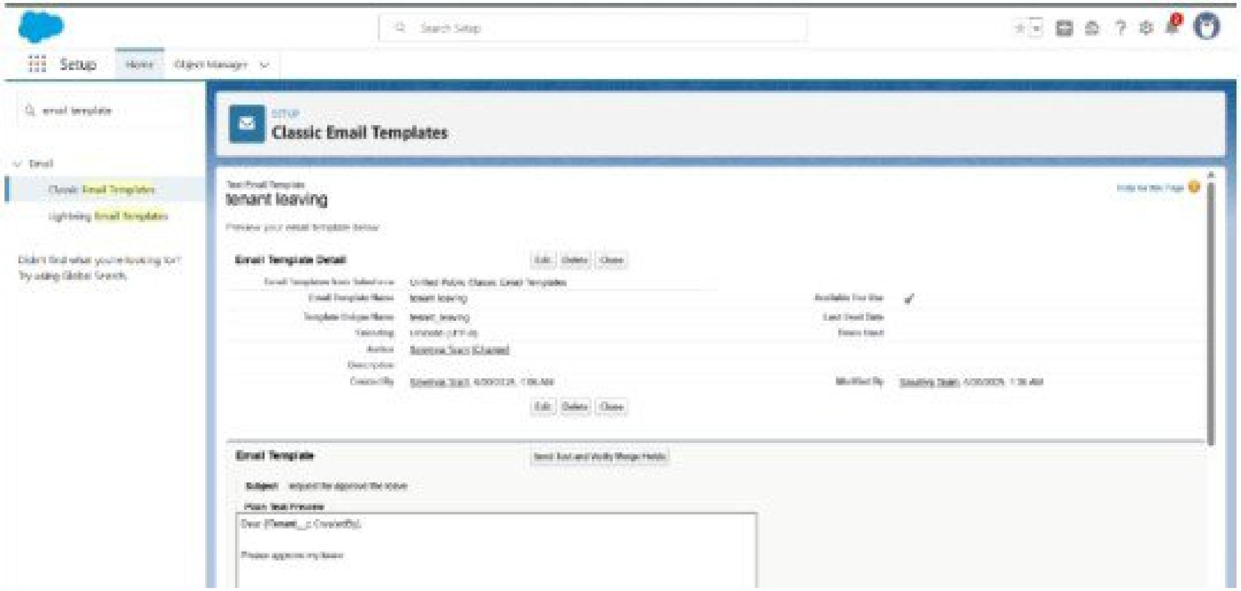
Subject Leave approved

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.

my leave is approved, you can [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   Edit | Delete | Clone

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] Team [Change]		
Description			
Created By	[illegible] Team, 6/20/2025, 1:36 AM	Modified By	[illegible] Team, 6/20/2025, 1:36 AM

Edit | Delete | Clone

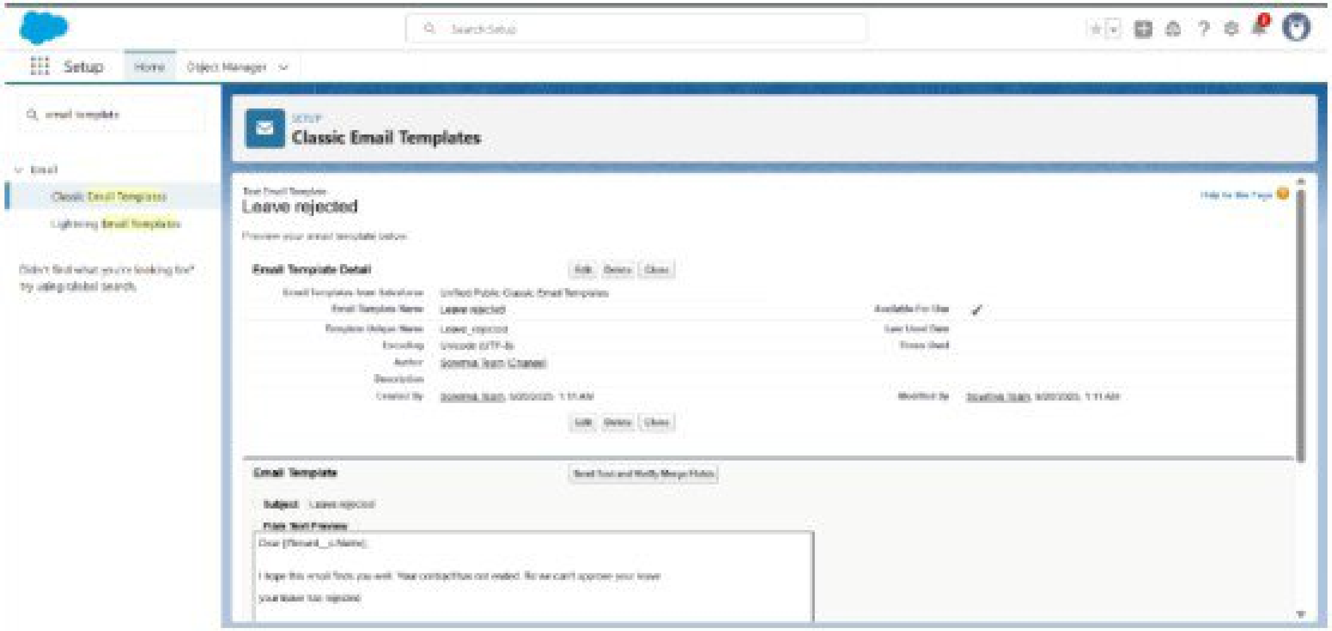
Email Template   Send Test and Verify Merge Fields

Subject request for approval 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 Template 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

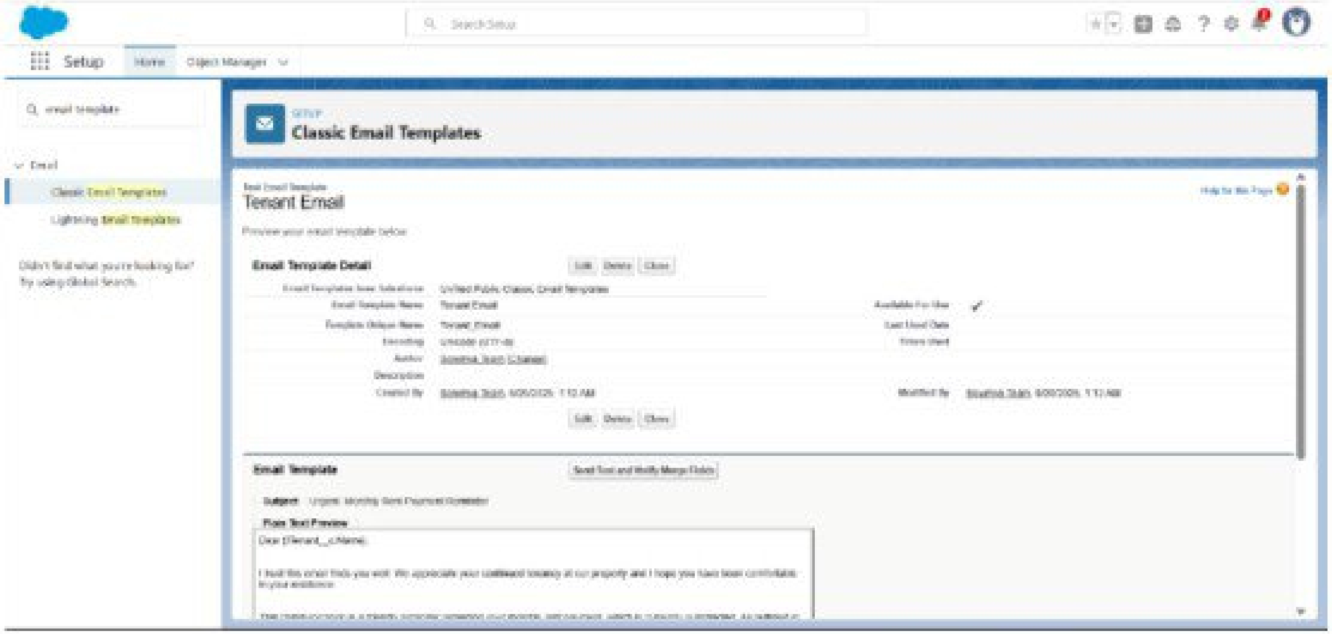
Subject Leave rejected

Plain Text Preview

Dear {!Tenant__c.Name},

I hope this email finds you well. Your contact 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 Template 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

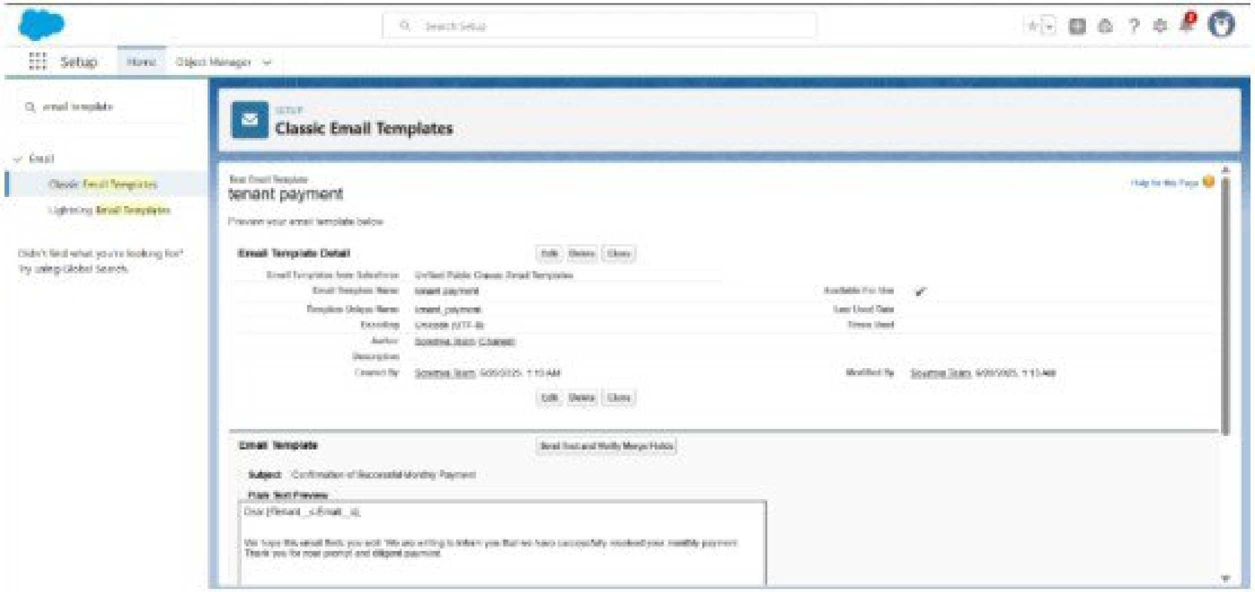
Subject Urgent: Monthly Rent Payment Reminder

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 email serves as 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 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	Sowmya Sram [Change]		
Description			
Created By	Sowmya Sram, 6/20/2025, 1:10 AM	Modified By	Sowmya Sram, 6/20/2025, 1:13 AM

Email Template

Subject Confirmation of Successful Monthly Payment

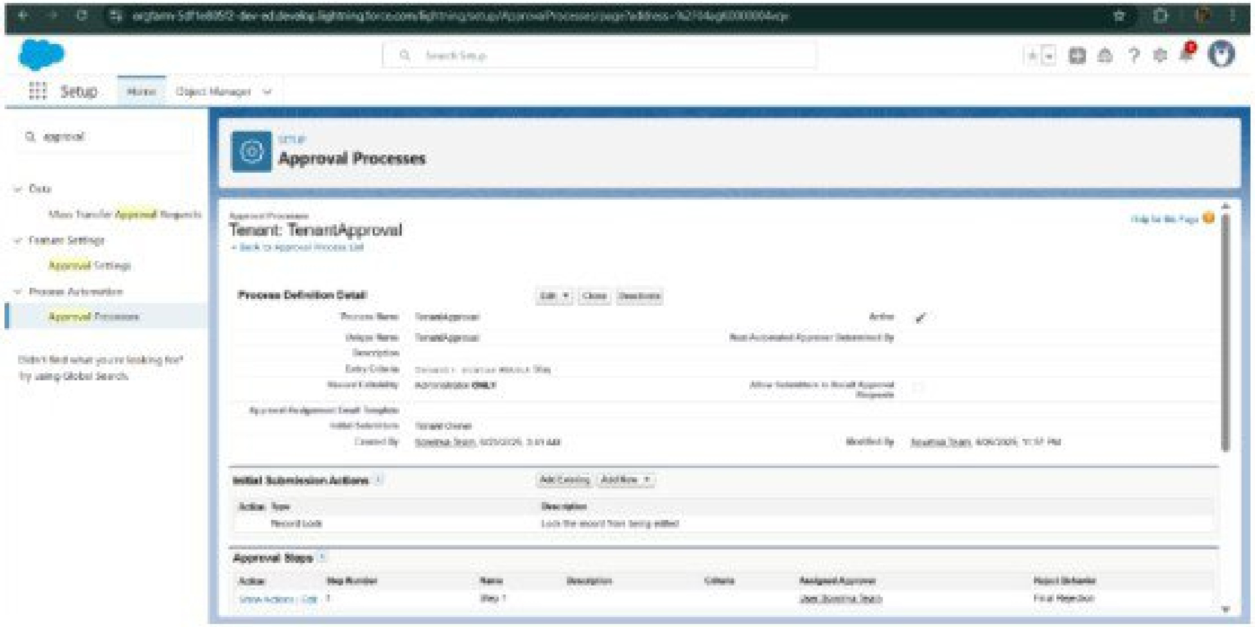
Plain Text Preview

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
« Back to Approval Process List

Process Definition Detail

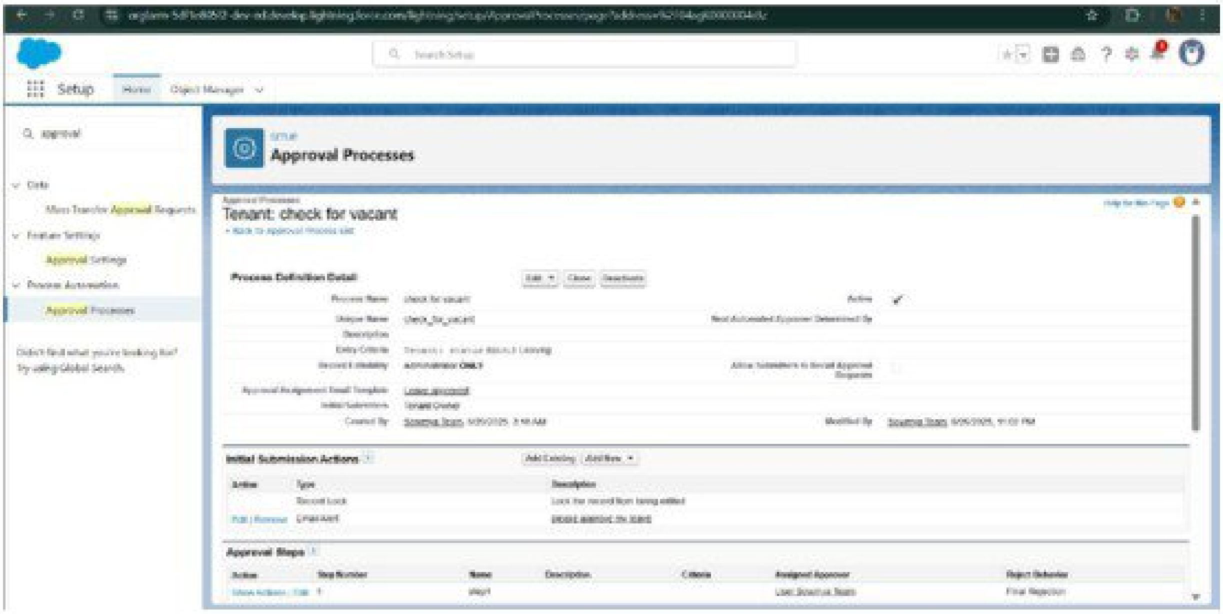
Process Name	TenantApproval	Active	✓
Unique Name	TenantApproval	Next Automated Approver Determined By	
Description			
Entry Criteria	Tenant: status EQUALS Stay		
Record Editability	Administrator ONLY	Allow Submitters to Recall Approval Requests	□
Approval Assignment Email Template			
Initial Submitters	Tenant Owner		
Created By	Sowmya Sram, 6/20/2025, 3:41 AM	Modified By	Sowmya Sram, 6/20/2025, 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 Sram	Final Rejection



Approval Processes

Tenant: check for vacant

« Back to Approval Process List

Process Definition Detail Edit ▾ Clone Deactivate

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

Initial Submission Actions Add Existing Add New ▾

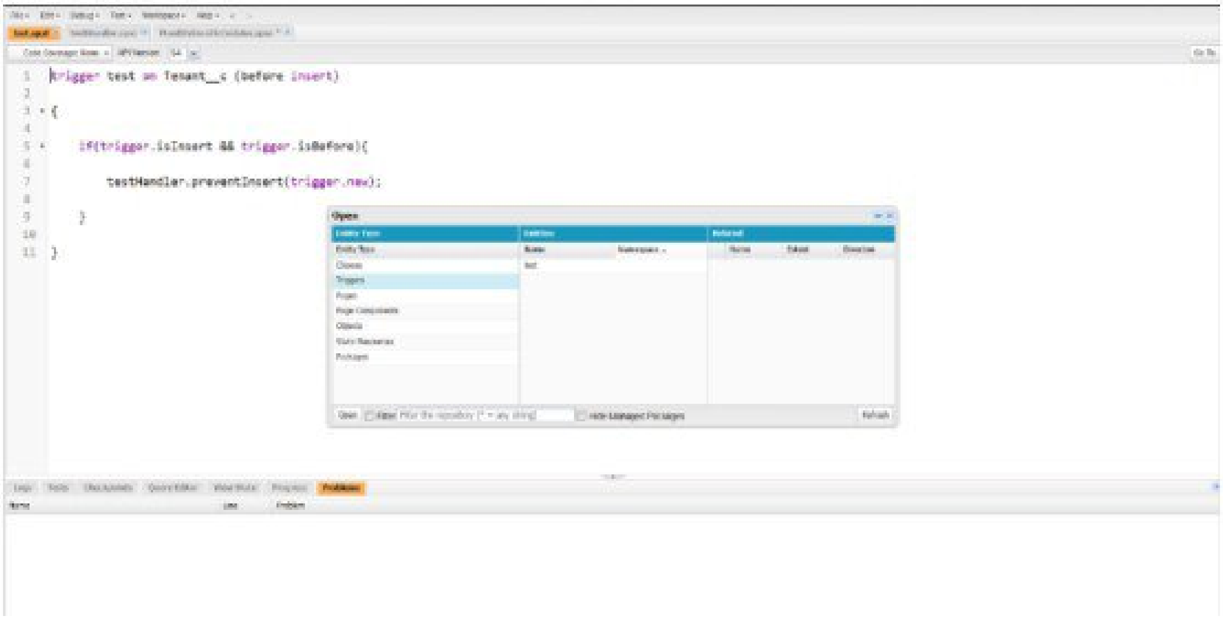
Action	Type	Description
	Record Lock	Lock the record from being edited
Edit | Remove	Email Alert	[illegible]

Approval Steps

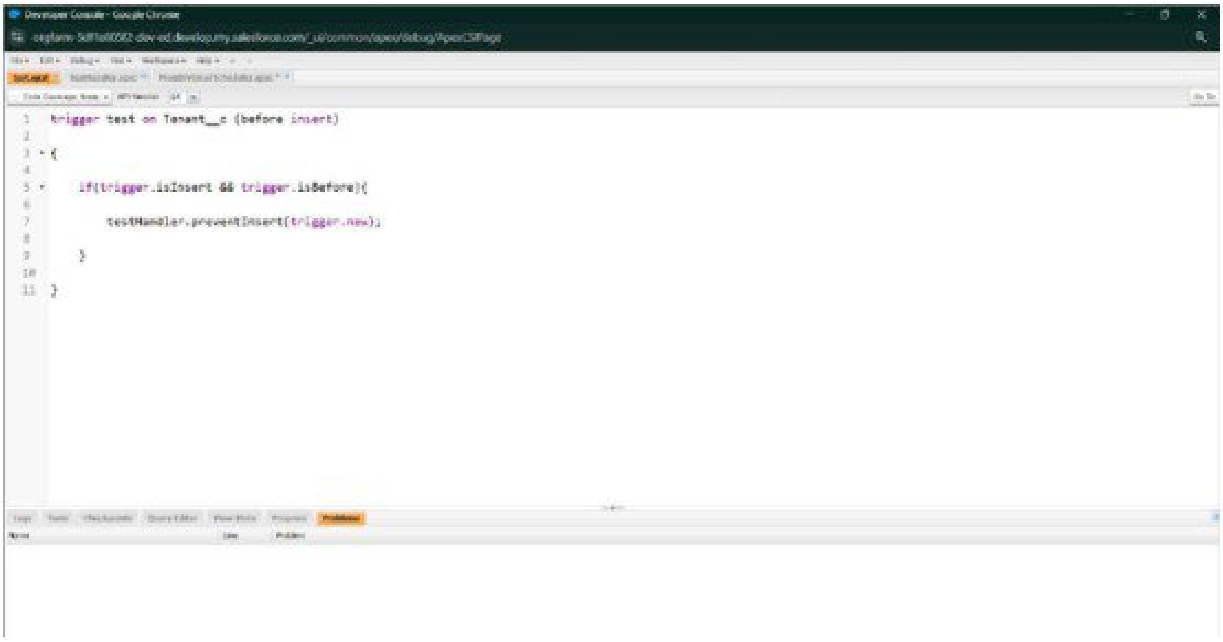
Action	Step Number	Name	Description	Criteria	Assigned Approver	Reject Behavior
Show Actions | Edit	1	step1			[illegible]	Final Rejection

- Apex Trigger

Create an Apex Trigger

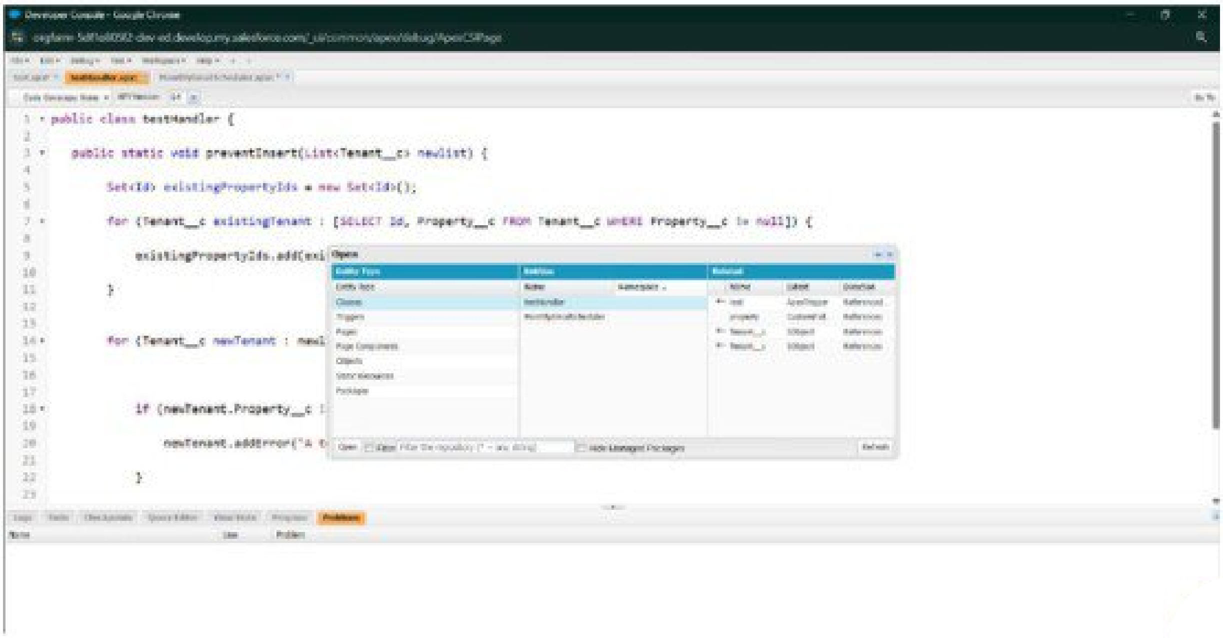


```
trigger test on Tenant__c (before insert)

{

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

        testHandler.preventInsert(trigger.new);

    }

}
```

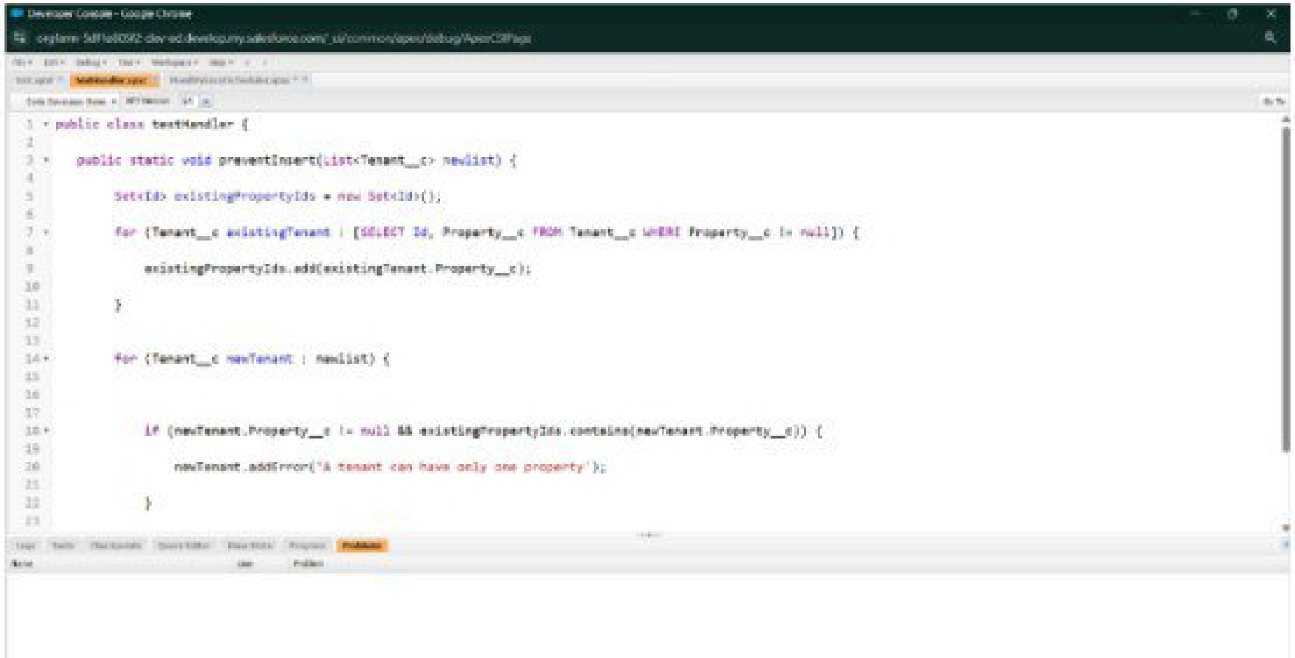


```
trigger test on Tenant__c (before insert)

{

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

        testHandler.preventInsert(trigger.new);

    }

}
```

Create an Apex Handler class

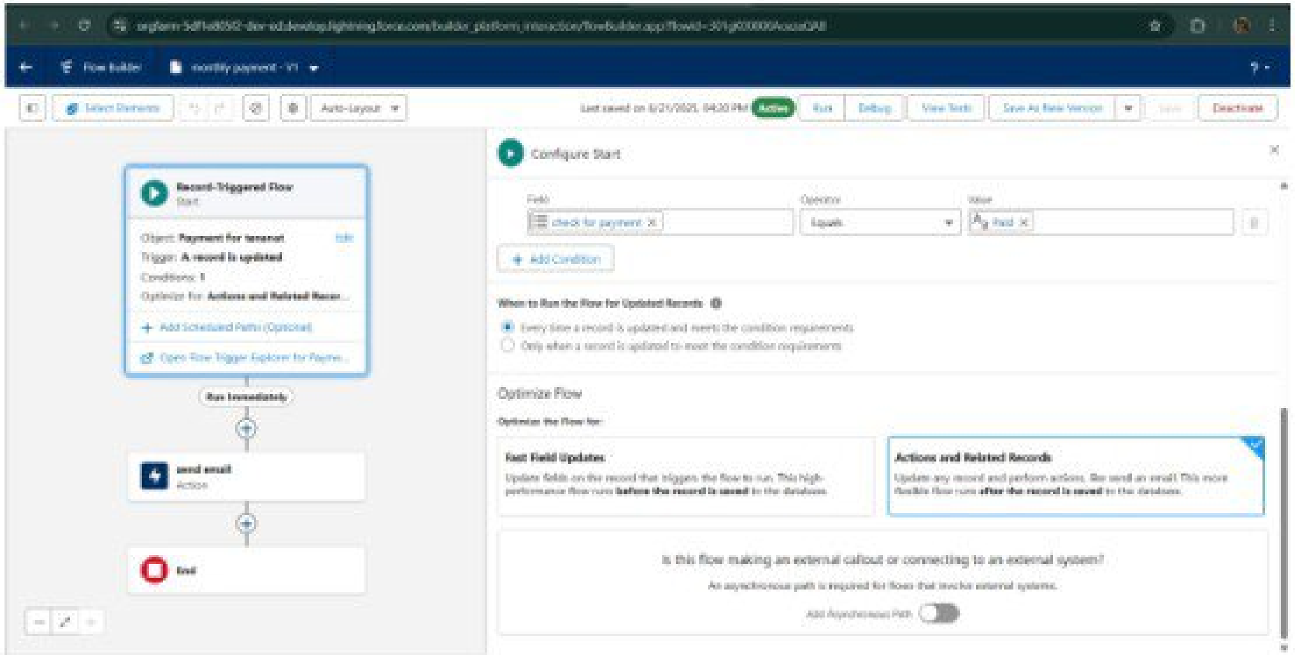


```
public class testHandler {

    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
orgfarm-5df1e80592-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
testHandler.apxc
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


orgfarm-5df1e80592-dev-ed.develop.lightning.force.com/builder_platform_interaction/flowBuilder.app?flowId=301gK00000AcozaQAB
Flow Builder
monthly payment - V1
Select Elements
Auto-Layout
Last saved on 6/21/2025, 04:20 PM
Active
Run
Debug
View Tests
Save As New Version
Save
Deactivate
Run Immediately
Add Scheduled Paths (Optional)
Open Flow Trigger Explorer for Payme...
Add Condition
Add Asynchronous Path

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

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

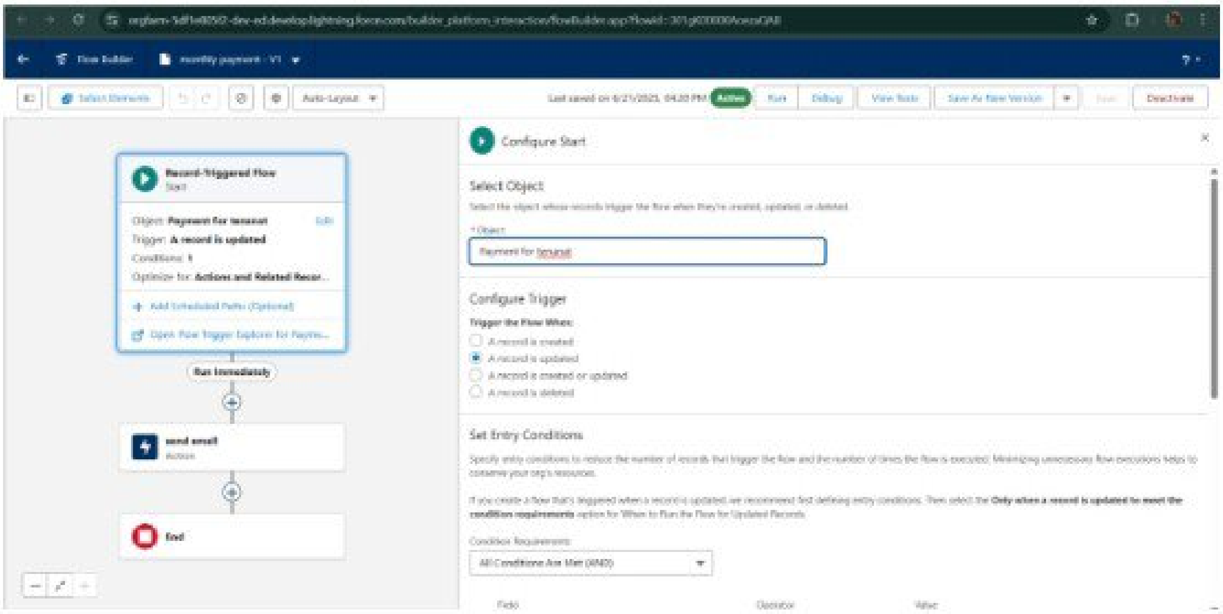
Optimize the Flow for:

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 invoke external systems.



Record-Triggered Flow
Start

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

Run Immediately

send email
Action

End

Configure Start

Select Object

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

* Object: Payment for tenant

Configure Trigger

Trigger the Flow When:

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

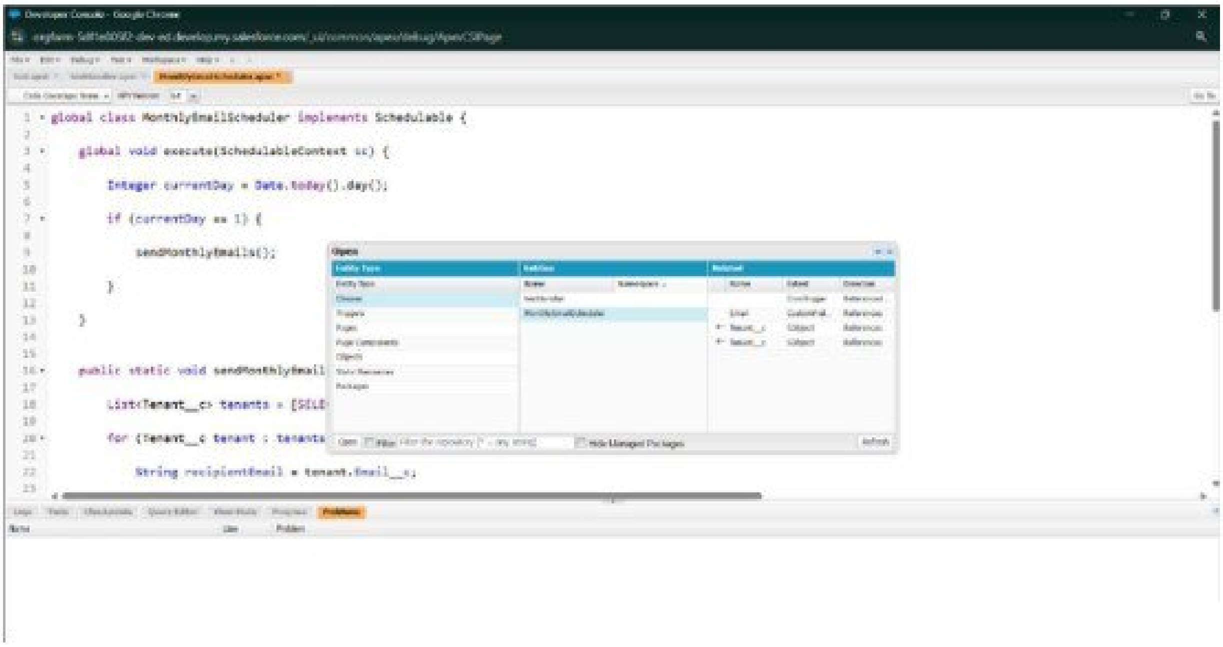
Set Entry Conditions

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.

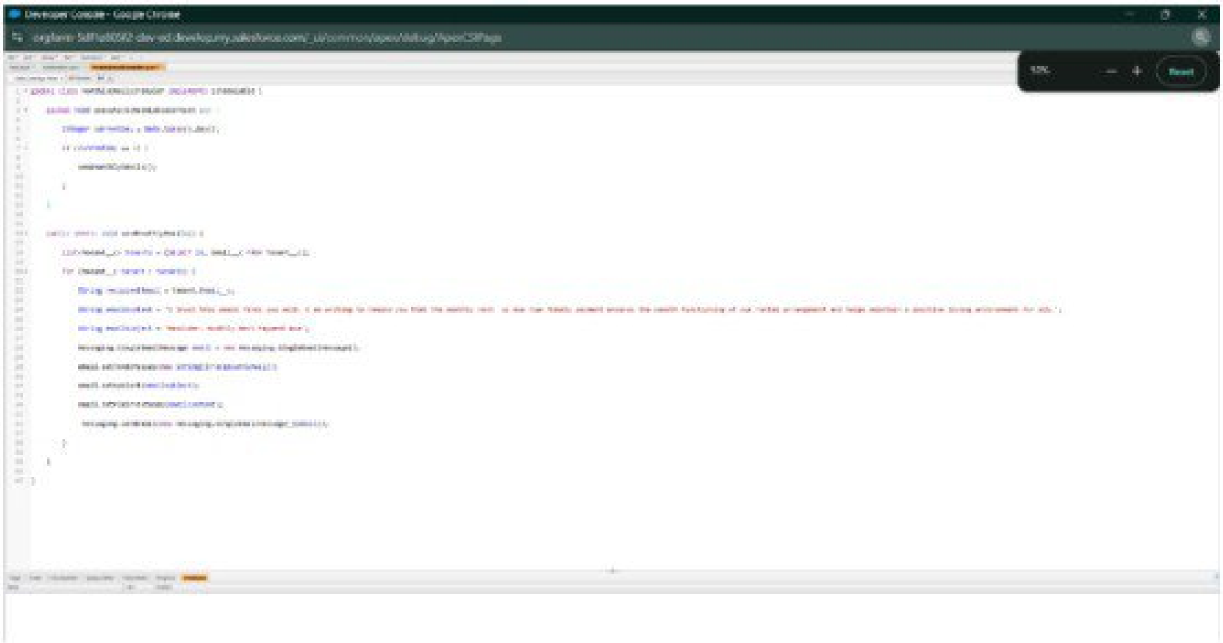
If you create a flow that's triggered when a record is updated, we recommend first defining entry conditions. Then select the **Only when a record is updated to meet the condition requirements** option for When to Run the Flow for Updated Records.

Condition Requirements: All Conditions Are Met (AND)

- Schedule class:
  Create an Apex Class

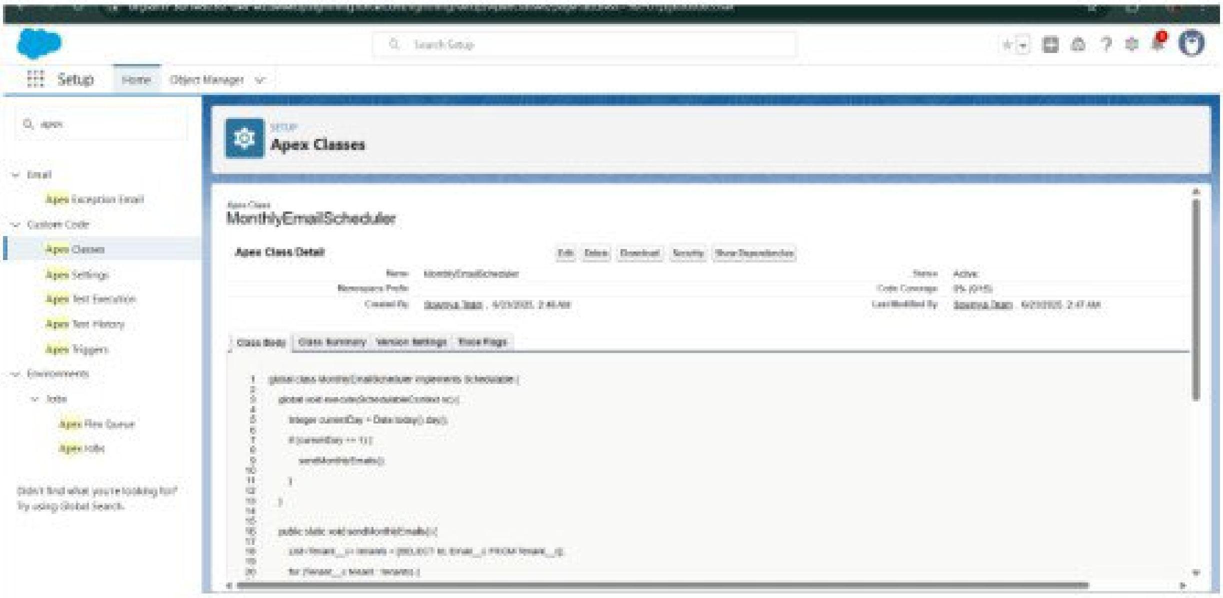


```
global class MonthlyEmailScheduler implements Schedulable {

    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;
```


Developer Console - Google Chrome
orgfarm-5df1a80582-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
Reset

```
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] is due [illegible] 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});
        }
    }
}
```

Schedule Apex class



MonthlyEmailScheduler

Apex Class Detail

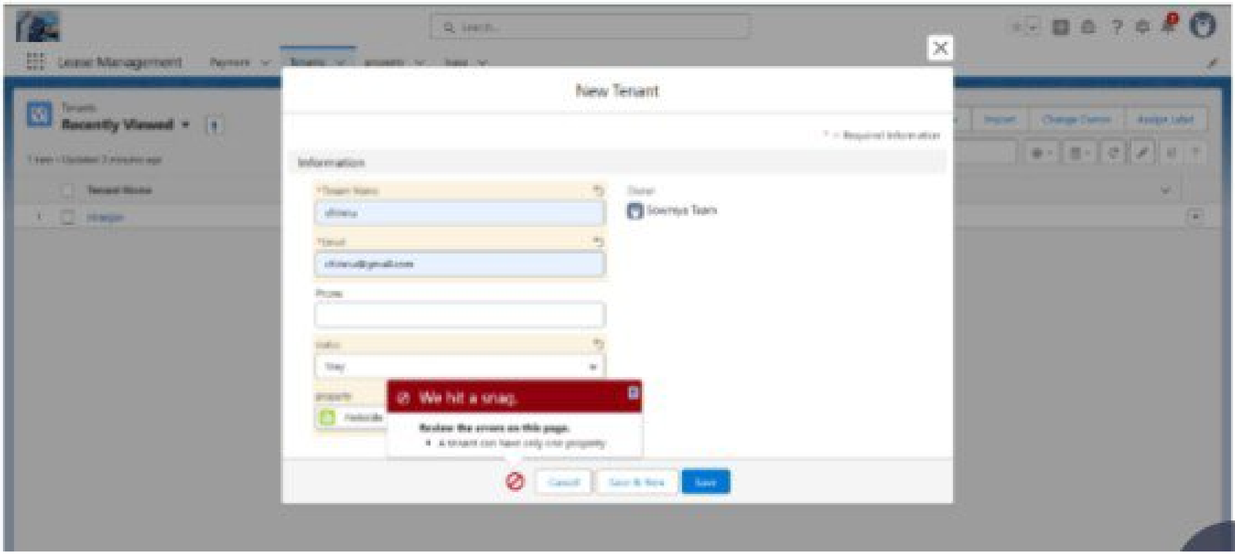
Name	MonthlyEmailScheduler	Status	Active
Namespace Prefix		Code Coverage	0% (0/15)
Created By	Sowmya Team, 6/23/2025, 2:46 AM	Last Modified By	Sowmya Team, 6/23/2025, 2:47 AM

```
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) {
```

FUNCTIONAL AND PERFORMANCE TESTING

Performance Testing

- Trigger validation by entering duplicate tenant-property records



New Tenant

* = Required Information

Information

*Tenant Name: chinnu

*Email: chinnu@gmail.com

Phone:

Status: Stay

property: Heliside

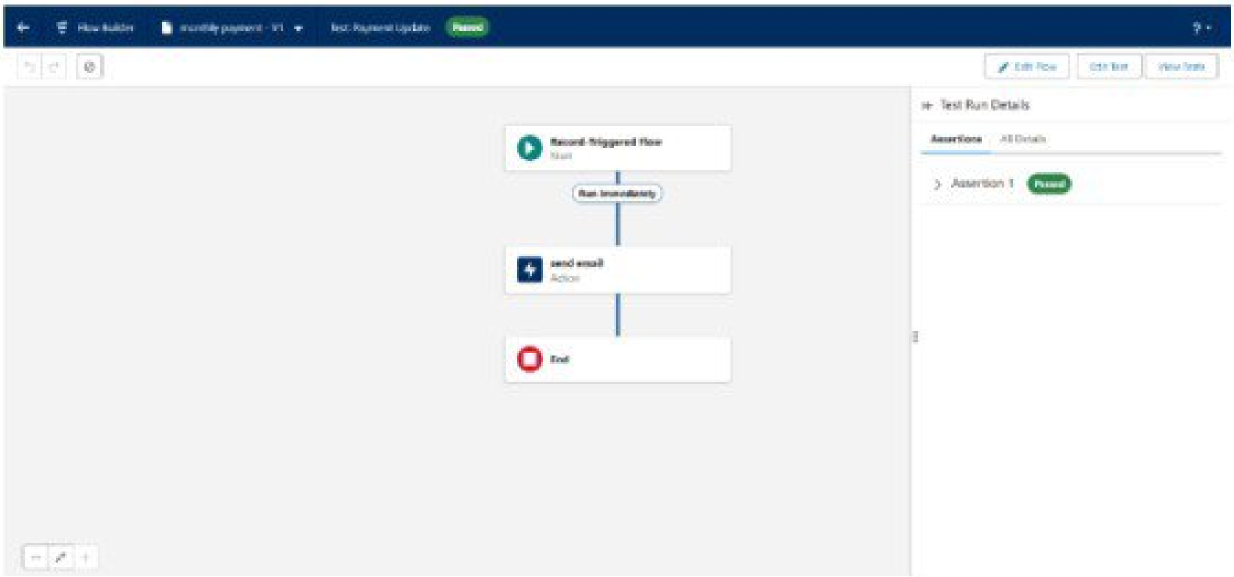
Owner: Sowmya Team

We hit a snag.

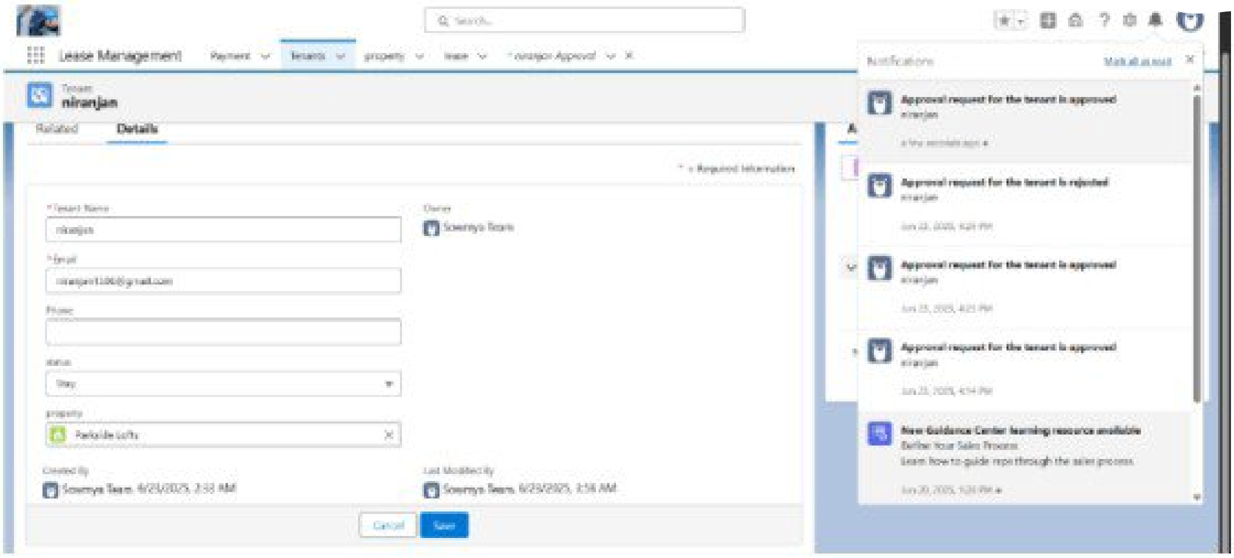
Review the errors on this page.

- A tenant can have only one property

- 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: niranjan1100@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, 3:56 AM

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

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

Approval request for the tenant is approved
niranjan
Jun 23, 2025, 4:25 PM

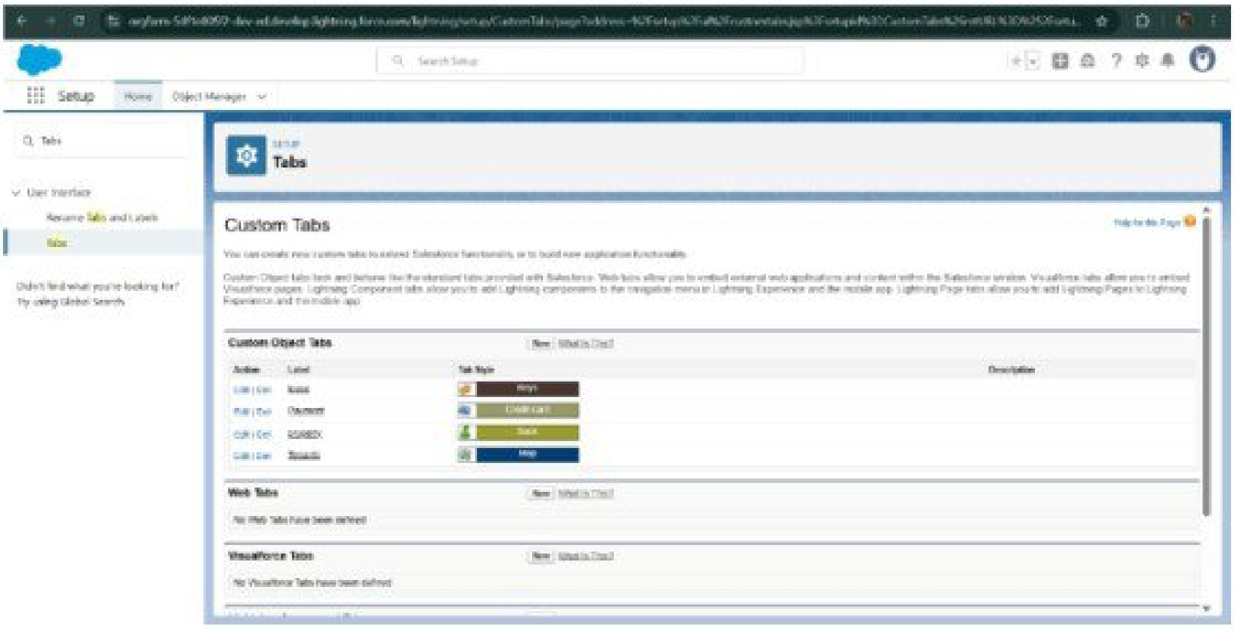
Approval request for the tenant is approved
niranjan
Jun 23, 2025, 4:14 PM

New Guidance Center learning resource available
Define Your Sales Process
Learn how to guide reps through the sales process.
Jun 20, 2025, 5:26 PM

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

Action	Label	Tab Style	Description
Edit | Del	lease	Keys	
Edit | Del	Payment	Credit Card	
Edit | Del	tenant	Sack	
Edit | Del	Property	Map	

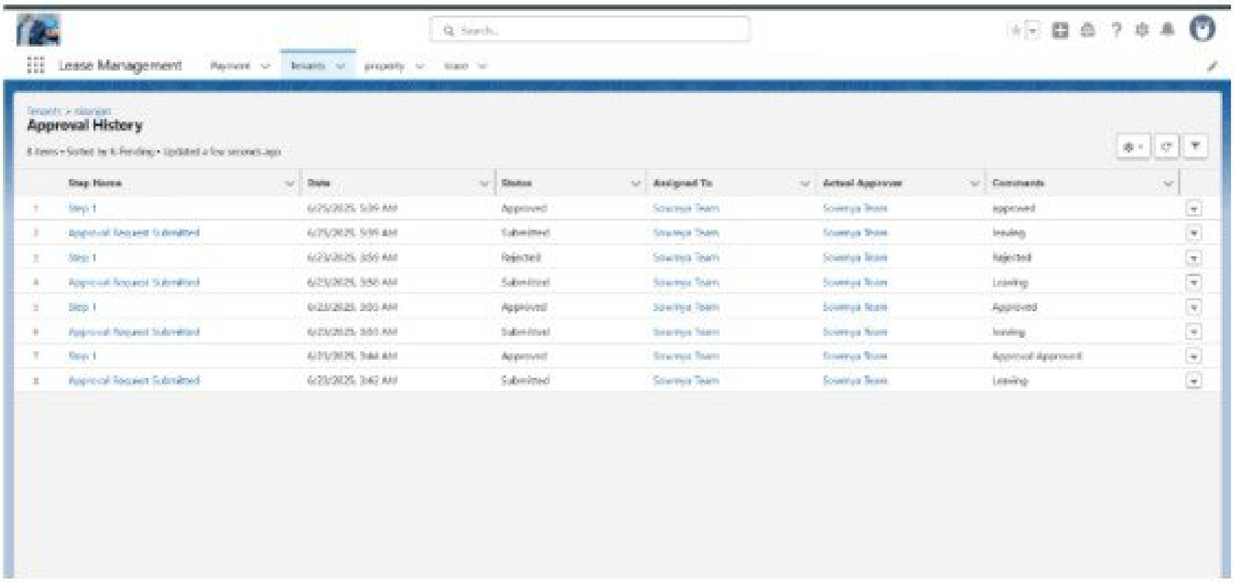
Web Tabs

No Web Tabs have been defined

Visualforce Tabs

No Visualforce Tabs have been defined

- Email alerts



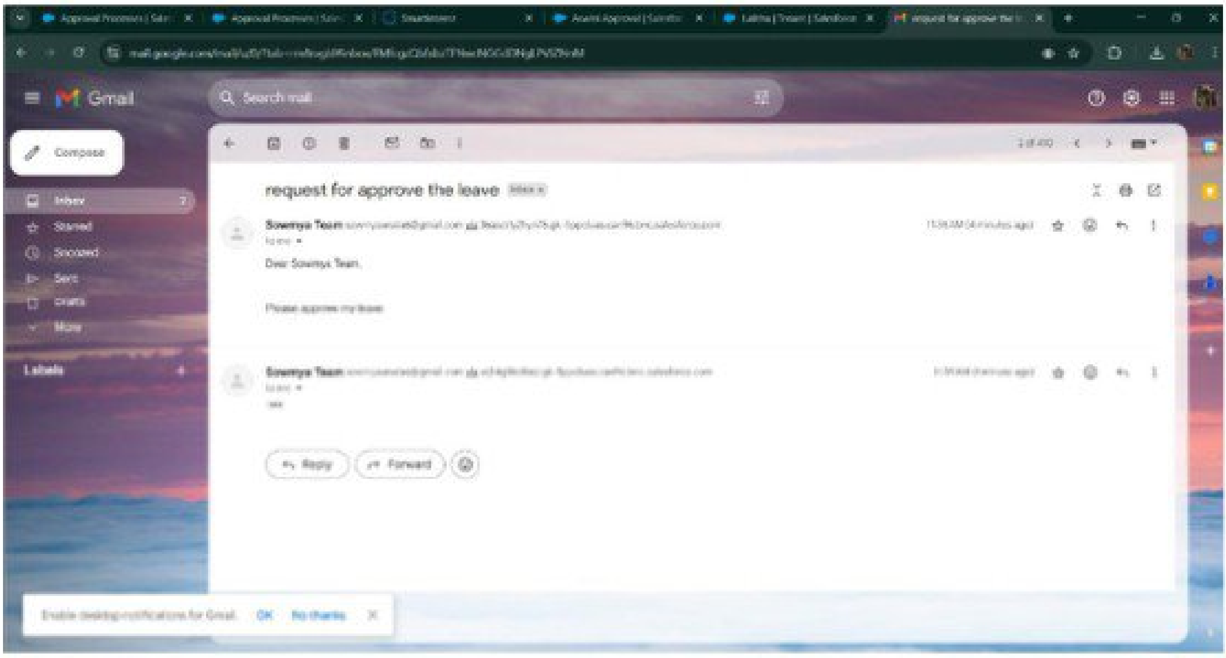
Tenants > [illegible]

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, 5:09 AM	Approved	Sowmya Team	Sowmya Team	approved
2	Approval Request Submitted	6/25/2025, 5:09 AM	Submitted	Sowmya Team	Sowmya Team	leaving
3	Step 1	6/23/2025, 3:56 AM	Rejected	Sowmya Team	Sowmya Team	Rejected
4	Approval Request Submitted	6/23/2025, 3:50 AM	Submitted	Sowmya Team	Sowmya Team	Leaving
5	Step 1	6/23/2025, 3:03 AM	Approved	Sowmya Team	Sowmya Team	Approved
6	Approval Request Submitted	6/23/2025, 3:03 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

to me

Dear Sowmya Team,

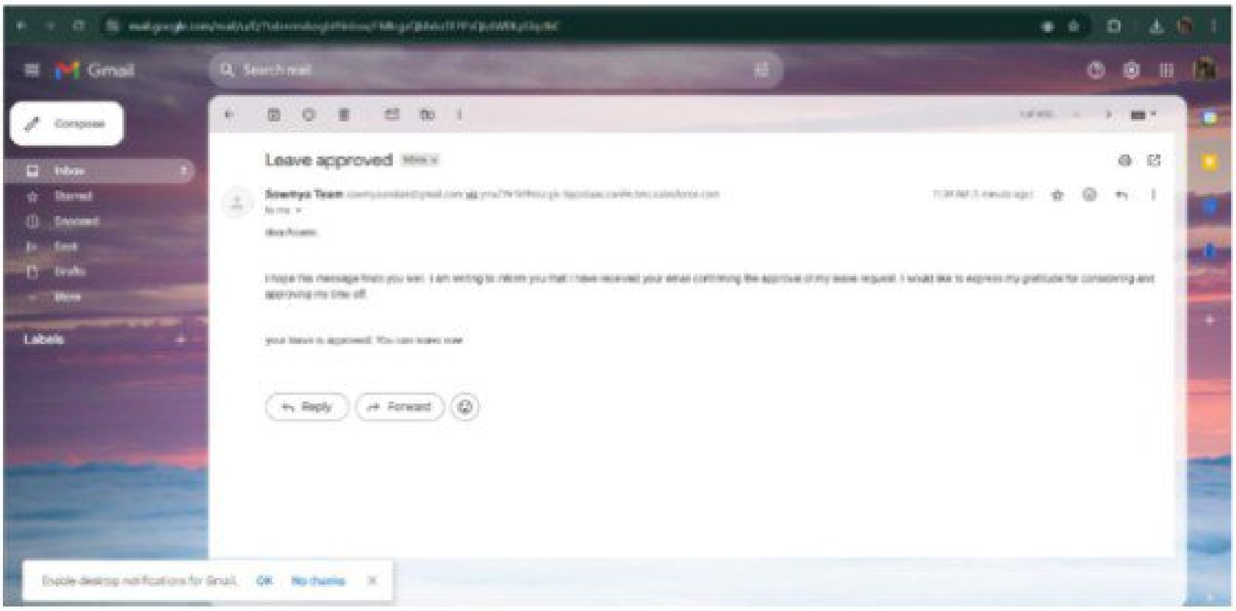
Please approve my leave

Sowmya Team

to me

yes

- 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

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});

      }

    }

}
```