

NAANMUDHALVAN PROJECT

LEASEMANAGEMENT

Collegename:St.Joseph's College For Women

Team Members:

Keerthana G

Nadhiya M

Navanitha K

Deepika S

CREATING OBJECTS:

PROPERTY OBJECT:

Setup Home Object Manager

SETUP > OBJECT MANAGER

property

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Details

Description

API Name
property__c

Custom
✓

Singular Label
property

Plural Label
properties

Enable Reports
✓

Track Activities
✓

Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window

Edit Delete

TENANT OBJECT:

Setup Home Object Manager

SETUP > OBJECT MANAGER

Tenant

Details

Fields & Relationships

Page Layouts

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Buttons, Links, and Actions

Compact Layouts

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Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

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

Edit Delete

PAYMENT OBJECT:

SETUP > OBJECT MANAGER

Payment for tenanat

Details

Fields & Relationships

Page Layouts

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Buttons, Links, and Actions

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Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Details

Description

API Name

Payment_for_tenanat__c

Custom

✓

Singular Label

Payment for tenanat

Plural Label

Payment for tenants

Enable Reports

✓

Track Activities

✓

Track Field History

✓

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

Edit

Delete

LEASE OBJECT:

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

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

Edit

Delete

CREATING TABS:

CREATING CUSTOM TAB FOR OBJECTS:

The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with 'tabs' entered. Under 'User Interface', 'Rename Tabs and Labels' is highlighted, and 'Tabs' is selected. The main content area is titled 'Custom Tabs' and includes a 'Help for this Page' link. Below the title, there is an explanatory paragraph about creating custom tabs. A table titled 'Custom Object Tabs' lists existing tabs with columns for Action, Label, Tab Style, and Description.

Action	Label	Tab Style	Description
Edit Del	lease	Credit card	
Edit Del	Payment for tenants	Castle	
Edit Del	properties	Chalkboard	
Edit Del	Tenants	Whistle	

CREATING A LIGHTNING TAB:

The screenshot shows the 'App Details & Branding' page in the Lightning App Builder. The left sidebar shows 'App Settings' with 'App Details & Branding' selected. The main content area has a heading 'App Details & Branding' and a subheading 'Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.' The page is divided into two sections: 'App Details' and 'App Branding'. The 'App Details' section contains fields for 'App Name' (Lease Management), 'Developer Name' (Lease_Management), and 'Description' (Enter a description...). The 'App Branding' section contains an 'Image' upload field, a 'Primary Color Hex Value' field (#0070D2), and 'Org Theme Options' with a checkbox 'Use the app's image and color instead of the org's custom theme'. At the bottom, there is an 'App Launcher Preview' showing a blue square with 'LM' and the text 'Lease Management'.

← Lightning App Builder

⚙ App Settings

📄 Pages ▾

Lease Management

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 remove 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. The 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

Create ▾

▶

◀

Selected Items

Home

Payment for tenants

Tenants

properties

lease

FIELD CREATION:

FIELDFORPROPERTYOBJECT:

⌵ Setup

Home

Object Manager ▾

SETUP > OBJECT MANAGER

property

Details

Fields & Relationships

Page Layouts

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Buttons, Links, and Actions

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Search Layouts

List View Button Layout

Restriction Rules

Fields & Relationships

8 Items, Sorted by Field Label

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

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

FIELD FOR TENANT OBJECT:

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

Fields & Relationships 8 Items, Sorted by Field Label

Q Quick Find

New Deleted Fields Field Dependencies Set History Tracking

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

FIELD FOR LEASE OBJECT:

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

Fields & Relationships 7 Items, Sorted by Field Label

Q Quick Find

New Deleted Fields Field Dependencies Set History Tracking

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

arxiv.org/pdf/1604.04467v1.pdf

FIELD FOR PAYMENT FOR TENANT OBJECT:

SETUP > OBJECT MANAGER

Payment for tenanat

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

Fields & Relationships

9 Items, Sorted by Field Label

Q Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

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

VALIDATION RULE:
CREATING VALIDATION RULE TO LEASE OBJECT:

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

lease Validation Rule

Back to lease

Help for this Page

Validation Rule Detail

Edit

Clone

Active

✓

Rule Name

lease_end_date

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

Keerthana Gopal31, 9/14/2025, 9:10 AM

Modified By

Keerthana Gopal31, 9/14/2025, 9:10 AM

Edit

Clone

Activate Windows

Go to Settings to activate Windows.

CREATING EMAIL TEMPLATES:

TENANT PAYMENT:

Text Email Template

tenant payment

Help for this Page ?

Preview your email template below.

Email Template Detail

EditDeleteClone

Email Templates from Salesforce

Unfiled Public Classic Email Templates

Email Template Name

tenant payment

Available For Use

☐

Template Unique Name

tenant_payment

Last Used Date

Encoding

Unicode (UTF-8)

Times Used

Author

Keerthana Gopal31 [Change]

Description

Created By

Keerthana Gopal31, 9/17/2025, 11:28 PM

Modified By

Keerthana Gopal31, 9/17/2025, 11:28 PM

EditDeleteClone

Email Template

Send Test and Verify Merge Fields

Subject

Confirmation of Successful Monthly Payment

Activate Windows

Go to Settings to activate Windows.

Plain Text Preview

Dear {!Tenant__c.Email__c},

LEAVE REJECTED:

Text Email Template

Leave rejected

Help for this Page ?

Preview your email template below.

Email Template Detail

EditDeleteClone

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

Keerthana Gopal31 [Change]

Description

Created By

Keerthana Gopal31, 9/17/2025, 11:26 PM

Modified By

Keerthana Gopal31, 9/17/2025, 11:26 PM

EditDeleteClone

Email Template

Send Test and Verify Merge Fields

Subject

Leave rejected

Activate Windows

Go to Settings to activate Windows.

Plain Text Preview

Dear {!Tenant__c.Name},

LEAVE APPROVED:

Text Email Template

Leave approved

Help for this Page

Preview your email template below.

Email Template Detail

EditDeleteClone

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

Keerthana Gopal31

(Change)

Description

Created By

Keerthana Gopal31

9/17/2025, 11:25 PM

Modified By

Keerthana Gopal31

9/17/2025, 11:25 PM

EditDeleteClone

Email Template

Send Test and Verify Merge Fields

Subject

Leave approved

Activate Windows

Go to Settings to activate Windows.

Plain Text Preview

dear(!Tenant__c.Name),

TENANT EMAIL:

Text Email Template

Tenant Email

Help for this Page

Preview your email template below.

Email Template Detail

EditDeleteClone

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

Keerthana Gopal31

(Change)

Description

Created By

Keerthana Gopal31

9/17/2025, 11:27 PM

Modified By

Keerthana Gopal31

9/17/2025, 11:27 PM

EditDeleteClone

Email Template

Send Test and Verify Merge Fields

Subject

Urgent: Monthly Rent Payment Reminder

Activate Windows

Go to Settings to activate Windows.

Plain Text Preview

Dear (!Tenant__c.Name),

TENANT LEAVING:

Text Email Template

tenant leaving

Help for this Page

Preview your email template below.

Email Template Detail

EditDeleteClone

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

Keerthana Gopal31

(Change)

Description

Created By

Keerthana Gopal31

9/14/2025, 9:17 AM

Modified By

Keerthana Gopal31

9/18/2025, 7:38 AM

EditDeleteClone

Email Template

Send Test and Verify Merge Fields

Subject

request for approve the leave

Activate Windows

Go to Settings to activate Windows.

Plain Text Preview

Dear (!Tenant__c.CreatedBy),

CREATING APPROVAL PROCESS:

Approval Processes

Tenant: check for vacant

Help for this Page

[« Back to Approval Process List](#)

Process Definition Detail

Edit

Clone

Deactivate

Process Name	check for vacant	Active	<input checked="" type="checkbox"/>
Unique Name	check_for_vacant	Next Automated Approver Determined By	
Description			
Entry Criteria	Tenant: status NOT EQUAL TO Leaving		
Record Editability	Administrator ONLY	Allow Submitters to Recall Approval Requests	<input type="checkbox"/>
Approval Assignment Email Template			
Initial Submitters	Tenant Owner		
Created By	Keerthana Gopal31, 9/18/2025, 8:22 AM	Modified By	Keerthana Gopal31, 9/18/2025, 10:30 AM

Initial Submission Actions

Add Existing

Add New

Action	Type	Description
	Record Lock	Lock the record from being edited

Activate Windows
Go to Settings to activate Windows.

INITIAL SUBMISSION ACTION:

Email Alert

please approve my leave

Help for this Page

[Rules Using This Email Alert \(0\)](#) | [Approval Processes Using This Email Alert \(1\)](#) | [Entitlement Processes Using This Email Alert \(0\)](#)

Email Alert Detail

Edit

Delete

Clone

Description	please approve my leave	Email Template	tenant leaving
Unique Name	please_approve_my_leave	Object	Tenant
From Email Address	Current User's email address		
Recipients	Email Field: Email		
Additional Emails			
Created By	Keerthana Gopal31, 9/18/2025, 8:26 AM	Modified By	Keerthana Gopal31, 9/18/2025, 8:26 AM

Edit

Delete

Clone

Rules Using This Email Alert

Rules Using This Email Alert Help

This alert is currently not used by any rules

Approval Processes Using This Email Alert

Approval Processes Using This Email Alert Help

Action	Approval Process Name	Description	Type	State

Activate Windows
Go to Settings to activate Windows.

FINAL APPROVAL ACTION:

Email Alert

Tenant leaving

Rules Using This Email Alert 0

 |

Approval Processes Using This Email Alert 11

 |

Entitlement Processes Using This Email Alert 0

Help for this Page

Email Alert Detail

Edit

Delete

Clone

Description	Tenant leaving	Email Template	tenant leaving
Unique Name	Tenant_leaving	Object	Tenant
From Email Address	Current User's email address		
Recipients	Email Field: Email		
Additional Emails			
Created By	Keerthana Gopal31, 9/18/2025, 8:28 AM	Modified By	Keerthana Gopal31, 9/18/2025, 8:28 AM

Edit

Delete

Clone

Rules Using This Email Alert

Rules Using This Email Alert Help

This alert is currently not used by any rules

Approval Processes Using This Email Alert

Approval Processes Using This Email Alert Help

Action	Approval Process Name	Description	Type	State

FINAL REJECTION ACTION:

Email Alert

your request for leave is rejected

Rules Using This Email Alert 0

 |

Approval Processes Using This Email Alert 11

 |

Entitlement Processes Using This Email Alert 0

Help for this Page

Email Alert Detail

Edit

Delete

Clone

Description	your request for leave is rejected	Email Template	tenant leaving
Unique Name	your_request_for_leave_is_rejected	Object	Tenant
From Email Address	Current User's email address		
Recipients	Email Field: Email		
Additional Emails			
Created By	Keerthana Gopal31, 9/18/2025, 8:29 AM	Modified By	Keerthana Gopal31, 9/18/2025, 8:29 AM

Edit

Delete

Clone

Rules Using This Email Alert

Rules Using This Email Alert Help

This alert is currently not used by any rules

Approval Processes Using This Email Alert

Approval Processes Using This Email Alert Help

Action	Approval Process Name	Description	Type	State

Creating Apex trigger:

APEXTRIGGERCREATION:

```
File Edit Debug Test Workspace Help < >
MonthlyEmailScheduler.apxc test.apxt
Code Coverage: None API Version: 64
1 trigger test on Tenant__c (before insert)
2 {
3     if(trigger.isInsert && trigger.isBefore){
4         testHandler.preventInsert(trigger.new);
5     }
6 }
```

HANDLER CLASS CREATION:

```
File Edit Debug Test Workspace Help < >
MonthlyEmailScheduler.apxc test.apxt testHandler.apxc
Code Coverage: None API Version: 64 Go To
1 public class testHandler {
2     public static void preventInsert(List<Tenant__c> newList) {
3         Set<Id> existingPropertyIds = new Set<Id>();
4
5         for (Tenant__c existingTenant : [SELECT Id, Property__c FROM Tenant__c WHERE Property_
6             existingPropertyIds.add(existingTenant.Property__c);
7         }
8
9         for (Tenant__c newTenant : newList) {
10             if (newTenant.Property__c != null && existingPropertyIds.contains(newTenant.Proper
11                 newTenant.addError('A tenant can have only one property');
12             }
13         }
14     }
15 }
```

TESTING TRIGGER:

New Tenant

* = Required Information

Information

*Tenant Name

*Email

Phone

status

*property

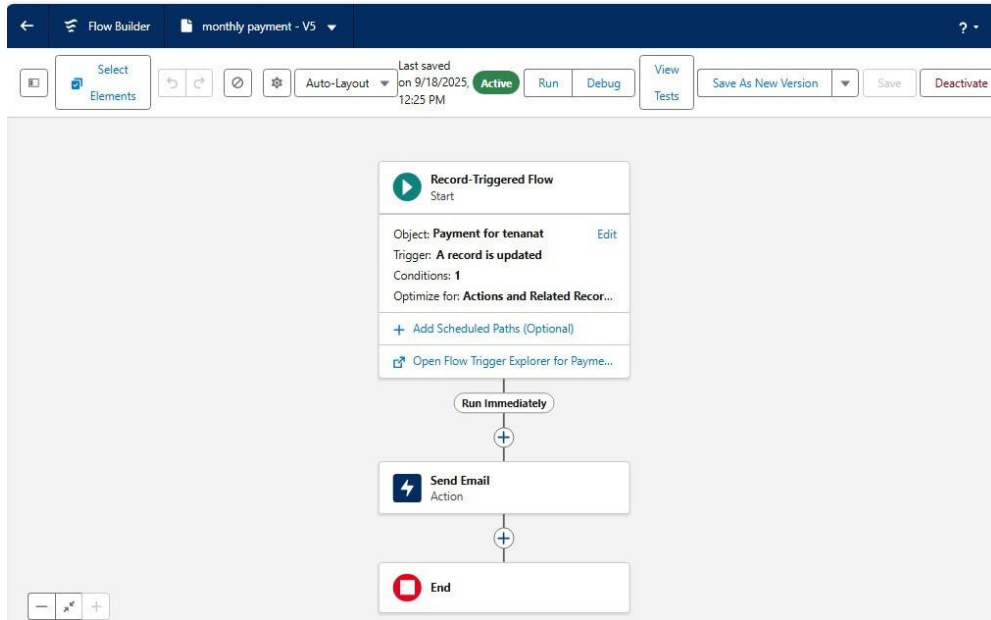
We hit a snag.

Review the errors on this page.

- A tenant can have only one property

Creating Flows:

CREATING MONTHLY PAYMENT FLOW:




Scheduling class:

CREATINGAPEXCLASS:

```
File Edit Debug Test Workspace Help < >
MonthlyEmailScheduler.apxc test.apxt testHandler.apxc
Code Coverage: None API Version: 64 Go To

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

SCHEDULING APEX CLASS:

 **Apex Classes**

You are currently using 1,856 characters of Apex Code (excluding comments and @isTest annotated classes) in your organization, out of an allowed limit of 6,000,000 characters. Note that the amount in use includes both Apex Classes and Triggers defined in your organization.

[Estimate your organization's code coverage](#)

[Compile all classes](#)

View: All [Create New View](#)

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Other | All

Action	Name ↑	Namespace Prefix	Api Version	Status	Size Without Comments	Last Modified By	Has Trace Flags
Edit Del Security	MonthlyEmailScheduler		64.0	Active	1,125	Keerthana Gopal31 9/17/2025, 7:02 AM	<input type="checkbox"/>
Edit Del Security	testHandler		64.0	Active	584	Keerthana Gopal31 9/15/2025, 6:49 AM	<input type="checkbox"/>

Dynamic Apex Classes

Dynamic Apex extends your programming reach by interacting with Lightning Platform components.

View: All [Create New View](#)

Class Name ↑	Namespace Prefix	Api Version	Created By	Last Modified By
[No records to display]				

SUBMITTING FOR APPROVAL:

Submit for Approval

Comments

stay

Cancel

Submit

Submitted successfully:

Lease Management

Home

Payment for tenants

Tenants

properties

lease

Tenant
nirai

Tenant was submitted for approval.

ContactEditNew Opportunity

Related

Details

* = Required Information

* Tenant Name

nirai

* Email

subha.08697@gmail.com

Phone

status

Stay

* property

pune

Created By

Last Modified By

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.

September • 2025This Month

>

[No subject]

5:44 AM | Today

You sent an email to subha.08697@gm...