

# NAANMUDHALVAN PROJECT

## LEASEMANAGEMENT

Collegename:St.Joseph's College For Women

Team Members:

Keerthana G

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# Creating objects:

## Property object:

Setup Home Object Manager

SETUP > OBJECT MANAGER

### property

Edit Delete

**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

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

## Tenant object:

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Tenant

Edit Delete

**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

Fields & Relationships

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Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

## Payment 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

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

Del

## 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' with a 'Help for this Page' link. It explains that custom tabs can be created to extend Salesforce functionality. Below this is a table titled 'Custom Object Tabs' with columns for Action, Label, Tab Style, and Description. The table lists four tabs: 'lease' (Credit card style), 'Payment for tenants' (Castle style), 'properties' (Chalkboard style), and 'Tenants' (Whistle style). Each row has 'Edit' and 'Del' links.

Action	Label	Tab Style	Description
<a href="#">Edit</a>   <a href="#">Del</a>	lease	Credit card	
<a href="#">Edit</a>   <a href="#">Del</a>	Payment for tenants	Castle	
<a href="#">Edit</a>   <a href="#">Del</a>	properties	Chalkboard	
<a href="#">Edit</a>   <a href="#">Del</a>	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 header 'App Details & Branding' and a sub-header 'Give your Lightning app a name and description. Upload an image and choose the highlight color for its navigation bar.' The 'App Details' section includes fields for 'App Name' (Lease Management), 'Developer Name' (Lease\_Management), and 'Description' (Enter a description...). The 'App Branding' section includes an 'Image' upload button and a 'Primary Color Hex Value' field (#0070D2). There is an 'Org Theme Options' checkbox labeled 'Use the app's image and color instead of the org's custom theme'. At the bottom, an 'App Launcher Preview' shows 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 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. 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

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

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

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**

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
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**

7 Items, Sorted by Field Label

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		

Field for payment for tenant object:

SETUP > OBJECT MANAGER

### Payment for tenanat

Details

**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 Home Object Manager

SETUP > OBJECT MANAGER

### lease

Details

**lease Validation Rule**

Back to lease

Help for this Page

**Validation Rule Detail**

Edit Clone

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 Arunaprabha M, 9/12/2025, 9:55 PM Modified By Arunaprabha M, 9/17/2025, 11:19 PM

Edit Clone



# Creating Email templates:

## Tenant payment:

 **SETUP**  
**Classic Email Templates**

Text Email Template  
**tenant payment**  
[Help for this Page](#)

Preview your email template below.


**Email Template Detail** [Edit](#) [Delete](#) [Clone](#)  
Email Templates from Salesforce: **Unfiled Public Classic Email Templates**

Email Template Name	tenant payment	Available For Use	<input checked="" type="checkbox"/>
Template Unique Name	tenant_payment	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	<a href="#">Arunaorabha M (Change)</a>		
Description			
Created By	<a href="#">Arunaorabha M</a> , 9/8/2025, 12:09 AM	Modified By	<a href="#">Arunaorabha M</a> , 9/17/2025, 11:28 PM

[Edit](#) [Delete](#) [Clone](#)

**Email Template** [Send Test and Verify Merge Fields](#)  
**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.

## Leave rejected:

 **SETUP**  
**Classic Email Templates**

Text Email Template  
**Leave rejected**  
[Help for this Page](#)

Preview your email template below.

**Email Template Detail** [Edit](#) [Delete](#) [Clone](#)  
Email Templates from Salesforce: **Unfiled Public Classic Email Templates**


Email Template Name	Leave rejected	Available For Use	<input checked="" type="checkbox"/>
Template Unique Name	Leave_rejected	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	<a href="#">Arunaorabha M (Change)</a>		
Description			
Created By	<a href="#">Arunaorabha M</a> , 9/9/2025, 12:06 AM	Modified By	<a href="#">Arunaorabha M</a> , 9/17/2025, 11:26 PM

[Edit](#) [Delete](#) [Clone](#)

**Email Template** [Send Test and Verify Merge Fields](#)  
**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



Leave approved:

SETUP

Classic Email Templates

Text Email Template

Leave approved

Help for this Page

Preview your email template below.

Email Template Detail

EditDeleteClone

Email Templates from Salesforce

Unified 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

Arunagirabha M (Change)

Description

Created By

Arunagirabha M 9/8/2025, 12:05 AM

Modified By

Arunagirabha M 9/17/2025, 11:24 PM

EditDeleteClone

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.

Tenant email:

SETUP

Classic Email Templates

Text Email Template

Tenant Email

Help for this Page

Preview your email template below.

Email Template Detail

EditDeleteClone

Email Templates from Salesforce

Unified 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

Arunagirabha M (Change)

Description

Created By

Arunagirabha M 9/8/2025, 12:08 AM

Modified By

Arunagirabha M 9/8/2025, 12:08 AM

EditDeleteClone

Email Template

Send Test and Verify Merge Fields

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.

Tenant leaving:

SETUP

Classic Email Templates

Text Email Template

tenant leaving

Help for this Page

Preview your email template below.

Email Template Detail

EditDeleteClone

Email Templates from Salesforce

Unified 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

Arunagirabha M (Change)

Description

Created By

Arunagirabha M 9/8/2025, 12:02 AM

Modified By

Arunagirabha M 9/8/2025, 12:02 AM

EditDeleteClone

Email Template

Send Test and Verify Merge Fields

Subject


request for approve the leave

Plain Text Preview

Dear {{Tenant\_\_c.CreatedBy}},

Please approve my leave

# Creating Approval process:

 **Approval Processes**

Approval Processes

Tenant: check for vacant

[Back to Approval Process List](#)

Help for this Page

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: status NOT EQUAL TO Leaving

Record Editability

Administrator ONLY

Allow Submitters to Recall Approval Requests

☐

Approval Assignment Email Template

Initial Submitters

Tenant Owner


Created By

Arunaprabha M, 9/6/2025, 1:01 AM

Modified By

Arunaprabha M, 9/18/2025, 5:27 AM

## Initial submission action:

 **Email Alerts**

Email Alert

please approve my leave

Rules Using This Email Alert 00

 | 

Approval Processes Using This Email Alert 01

 | 

Entitlement Processes Using This Email Alert 00

Help for this Page

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

Arunaprabha M, 9/6/2025, 1:07 AM

Modified By

Arunaprabha M, 9/18/2025, 8:16 AM

Edit

Delete


Clone

Rules Using This Email Alert

Rules Using This Email Alert Help

This alert is currently not used by any rules

Final approval action:

 **SETUP**  
**Email Alerts**

Email Alert

your request for leave is rejected

[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	your request for leave is rejected	Email Template	<a href="#">Leave rejected</a>
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	<a href="#">Arunaprabha M.</a> , 9/6/2025, 1:10 AM	Modified By	<a href="#">Arunaprabha M.</a> , 9/18/2025, 5:32 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
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">check for vacant</a>		Tenant	Active

Final rejection action:

 **SETUP**  
**Email Alerts**

Email Alert

your request for leave is rejected

[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	your request for leave is rejected	Email Template	<a href="#">Leave rejected</a>
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	<a href="#">Arunaprabha M.</a> , 9/6/2025, 1:10 AM	Modified By	<a href="#">Arunaprabha M.</a> , 9/18/2025, 5:32 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
<a href="#">Edit</a>   <a href="#">Del</a>	<a href="#">check for vacant</a>		Tenant	Active

# Creating Apex trigger:

## Apex trigger creation:

```
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__c
6             existingPropertyIds.add(existingTenant.Property__c);
7         }
8
9         for (Tenant__c newTenant : newList) {
10             if (newTenant.Property__c != null && existingPropertyIds.contains(newTenant.Property__c)) {
11                 newTenant.addError('A tenant can have only one property');
12             }
13         }
14     }
15 }
```

## Testing trigger:

New Tenant

\* = Required Information

Information

\*Tenant Name

subha

\*Email

subha.08697@gmail.com

Phone

status

Stay

\*property

agra

We hit a snag.

Review the errors on this page.

A tenant can have only one property

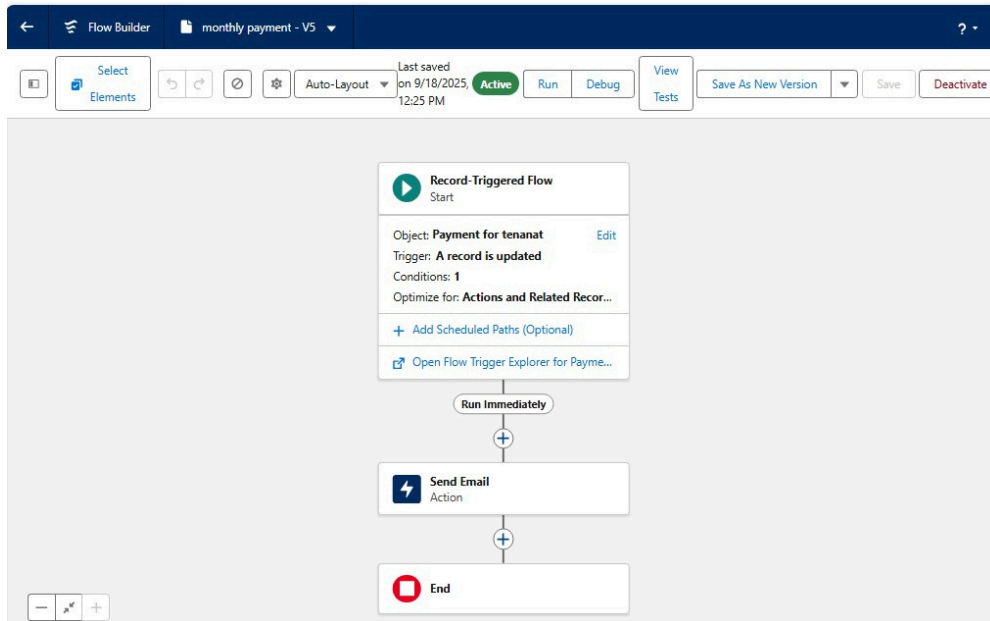
Cancel

Save & New

Save

# Creating Flows:

Creating monthly payment flow:



# Scheduling class:

Creating apex class:

```
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:

The screenshot shows the Salesforce 'Apex Classes' page. At the top, there's a 'SETUP' button and the 'Apex Classes' header. Below this, a description states: 'Apex Code is an object oriented programming language that allows developers to develop on-demand business applications on the Lightning Platform.' A green box indicates 'Percent of Apex Used: 0.03%' and provides details about the character limit. Below this, there's a link to 'Estimate your organization's code coverage' and a 'Compile all classes' button. A 'View' dropdown is set to 'All'. A navigation bar at the top of the table lists letters A through Z and 'Other'. The table itself has columns for Action, Name, Namespace Prefix, Api Version, Status, Size Without Comments, Last Modified By, and Has Trace Flags. Two classes are listed: 'MonthlyEmailScheduler' and 'testHandler', both with an 'Api Version' of 64.0 and 'Status' of 'Active'. The 'Schedule Apex' button is highlighted in the top right of the table area.

Action	Name	Namespace Prefix	Api Version	Status	Size Without Comments	Last Modified By	Has Trace Flags
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Security</a>	MonthlyEmailScheduler		64.0	Active	1,125	Arunaprabha M. 9/6/2025, 8:16 AM	<input type="checkbox"/>
<a href="#">Edit</a>   <a href="#">Del</a>   <a href="#">Security</a>	testHandler		64.0	Active	585	Arunaprabha M. 9/6/2025, 6:49 AM	<input type="checkbox"/>

## Submitting for approval:

The screenshot shows a 'Submit for Approval' dialog box. It has a title bar with a close button (X). Below the title, there's a 'Comments' section with a text area containing the word 'stay'. At the bottom of the dialog, there are two buttons: 'Cancel' and 'Submit'.

Submitted successfully:

Lease Management

Home

Payment for tenants

Tenants

properties

lease

Tenant

nirai

Tenant was submitted for approval.

Contact

Edit

New 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 • 2025

This Month

>

[No subject]

5:44 AM | Today

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