

LEASE MANAGEMENT

College name:karuppannan mariappan college

College code:bru3s

TEAM ID:NM2025TMID28513

Team Leader:VINOTHA.A

Email:vinothavel@gmail.com

Team member1: DINESHKUMAR.A

Email:dklucifer005@gmail.com

Team member2:SUDHAKARAN.M

Email: kingofsudhakar7@gmail.com

Team member3:ABDUL HAKKIM.N

Email:abdulhakkim93611@gmail.com

INTRODUCTION:

Lease management is the process of tracking,organizing,and administiring lease agreements made between a lessor (the property or asset owner)and a lease (the tenant or user).It ensures that both parties comply with the contractual obligations and that financial,legal,and operational aspects of the lease are property managed.

1.1 Purpose

Creating Developer Account

By using this URL : <https://developer.salesforce.com/signup>

Welcome to Salesforce x Recently Viewed | Flow x Courtney Brown | Tensi x Approval Processes | S x monthly payment | Flo x Developer Edition with x

https://www.salesforce.com/form/developer-signup/?d=pb

Build enterprise-quality apps fast and get hands-on with Agentforce and Data Cloud.

Sign up for your Developer Edition.

- ✓ Build apps fast with drag-and-drop tools
- ✓ Go further with Apex code
- ✓ Build AI agents with Agentforce
- ✓ Harmonize your data with Data Cloud
- ✓ Ground Agentforce with structured and unstructured data
- ✓ Integrate with anything using APIs

Sign up for your Developer Edition

A free Salesforce Platform environment with Agentforce and Data Cloud

First name Last name

vinotha a

Job title Work email

developer vinoxhavel2006@gmail.com

Company Country/Region

karuppanan mariapp 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.

Steps
1 Select Type

ACCOUNT ACTIVATION:

Welcome to Salesforce x Recently Viewed | Flow x Courtney Brown | Tensi x Approval Processes | S x monthly payment | Flo x Student x

https://mail.google.com/mail/u/0/#inbox/FMfcgzQcpdgZPwrkhFJhghWtzjBSHXnJ

Gmail

Search mail

Compose

Inbox 34

Starred

Snoozed

Sent

Drafts 1

More

Labels +

Google Account
vinotha A
vinoxhavel2006@gmail.com

support@salesforce.com <support@salesforce.com>
to me

Sep 2, 2025, 2:49 PM (11 days ago)

Welcome to your Developer Edition

Hi Vinotha,

Thanks for signing up for a Developer Edition. Now you can start building on Salesforce for free and get hands-on with Agentforce and Data Cloud.

There's just one more step. Use the following link to reset the password for your Developer Edition. This link expires in 24 hours.

Reset Password

To easily log in later, save this URL:
<https://orgfarm-99e7b6ffbb-dev-ed.develop.my.salesforce.com>

Enable desktop notifications for Gmail. OK No thanks X

OBJECT:Property Object,Tenant Object,

Payment Object,Lease Object

Property Object:

The screenshot shows the Salesforce Object Manager setup page for the 'property' object. The browser address bar displays the URL: <https://orgfarm-99e7b6ffbb-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL0000026wL7/Details/view>. The page header includes the Salesforce logo, a search bar, and navigation tabs for Setup, Home, and Object Manager. The main content area is titled 'property' and shows the 'Details' tab selected in the left sidebar. The details section includes fields for Description, API Name (property__c), Custom (checked), Singular Label (property), Plural Label (properties), Enable Reports (checked), Track Activities (checked), Track Field History (checked), Deployment Status (Deployed), and Help Settings (Standard salesforce.com Help Window). The page is displayed in a web browser window with multiple tabs open, including 'Welcome to Salesforce', 'Recently Viewed | Flow', 'Courtney Brown | Ten...', 'property | Salesforce', 'monthly payment | Flo...', and '- Student'. The Windows taskbar at the bottom shows the date and time as 20:24 on 13-09-2025.

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

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:

The screenshot shows the Salesforce setup page for the 'Tenant' object. The browser address bar displays the URL: `https://orgfarm-99e7b6ffb-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gL0000026wPx/Details/view`. The page header includes a search bar and navigation links for Setup, Home, and Object Manager. The left sidebar lists various setup options, with 'Details' selected. The main content area shows the 'Details' for the 'Tenant' object, including fields like API Name, Custom, Singular Label, Plural Label, and various settings like Enable Reports, Track Activities, and Deployment Status.

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

Payment Object:

The screenshot shows the Salesforce setup page for the 'Payment for tenant' object. The browser address bar displays the URL: `https://orgfarm-99e7b6ffb-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gL0000026xCL/Details/view`. The page header includes a search bar and navigation links for Setup, Home, and Object Manager. The left sidebar lists various setup options, with 'Details' selected. The main content area shows the 'Details' for the 'Payment for tenant' object, including fields like API Name, Custom, Singular Label, Plural Label, and various settings like Enable Reports, Track Activities, and Deployment Status.

SETUP > OBJECT MANAGER

Payment for tenant

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

Details

Description

API Name
Payment_for_tenantat_c

Custom
✓

Singular Label
Payment for tenantat

Plural Label
Payments

Enable Reports
✓

Track Activities
✓

Track Field History
✓

Deployment Status
Deployed

Help Settings
Standard salesforce.com Help Window

Lease Object:

The screenshot shows the Salesforce Setup interface for the 'Lease' object. The browser address bar displays the URL: `https://orgfarm-99e7b6ffbb-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL0000026xHB/Details/view`. The page title is 'SETUP > OBJECT MANAGER lease'. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Details' and includes an 'Edit' button and a 'Delete' button. The 'Description' field is empty. The 'API Name' is 'lease_c'. The 'Custom' checkbox is checked. The 'Singular Label' is 'lease' and the 'Plural Label' is 'leases'. The 'Enable Reports' checkbox is checked. The 'Track Activities' checkbox is checked. The 'Track Field History' checkbox is checked. The 'Deployment Status' is 'Deployed'. The 'Help Settings' are set to 'Standard salesforce.com Help Window'.

Creating A Custom Tab:

The screenshot shows the Salesforce Setup interface for 'Custom Tabs'. The page title is 'SETUP Tabs Custom Tabs'. The left sidebar contains a navigation menu with options: Details, Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, and Search Layouts. The main content area is titled 'Custom Tabs' and includes a 'Help for this Page' link. The text explains that custom tabs can be created to extend Salesforce functionality or to build new application functionality. It also mentions that custom object tabs look and behave like the standard tabs provided with Salesforce, and that web tabs allow you to embed external web applications and content within the Salesforce window. The 'Custom Object Tabs' section shows a table with columns: Action, Label, Tab Style, and Description. The table contains four rows: 'Building' (Building style), 'Apple' (Apple style), 'Bottle' (Bottle style), and 'Books' (Books style). The 'Web Tabs' section shows a message: 'No Web Tabs have been defined'. The 'Visualforce Tabs' section is also visible.

Action	Label	Tab Style	Description
Edit Del	leases	Building	
Edit Del	Payments	Apple	
Edit Del	properties	Bottle	
Edit Del	Tenants	Books	

The Lightning App

Create a Lightning App:

← Lightning App Builder

⚙ App Settings

📄 Pages ▾

Lease Management

? Help

App Settings

App Details & Branding

App Options

Utility Items (Desktop Only)

Navigation Items

User Profiles

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 ⓘ

Enter a description...

App Branding

Image ⓘ

Upload

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

LM

Lease Management

FIELDS:

Creation of Relationship Fields in Objects

PROPERTY OBJECT:

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

property Custom Field

Property

Back to property

Validation Rules (0)

Custom Field Definition Detail

EditSet Field-Level SecurityView Field AccessibilityWhere is this used?


Field Information

Field Label	Property	Object Name	property
Field Name	Property	Data Type	Lookup
API Name	Property__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Vinotha A. 9/12/2025, 7:12 AM	Modified By	Vinotha A. 9/12/2025, 7:12 AM

Lookup Options

Related To	property	Child Relationship Name	Property
Related List Label	properties		
Required	<input type="checkbox"/>		

TENANT OBJECT:

 Search Setup

SetupHomeObject Manager

SETUP > OBJECT MANAGER

Tenant

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

Tenant Custom Field

Email

Back to Tenant

Validation Rules (0)

Custom Field Definition Detail

EditSet Field-Level SecurityView Field AccessibilityWhere is this used?

Field Information

Field Label	Email	Object Name	Tenant
Field Name	Email	Data Type	Email
API Name	Email__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Vinotha A. 9/12/2025, 2:50 AM	Modified By	Vinotha A. 9/13/2025, 4:21 AM

General Options

Required	<input checked="" type="checkbox"/>
Unique	<input type="checkbox"/>
External ID	<input type="checkbox"/>

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 Custom Field

start date

Back to lease

Validation Rules (1)

Custom Field Definition Detail

EditSet Field-Level SecurityView Field AccessibilityWhere is this used?

Field Information

Field Label	start date	Object Name	lease
Field Name	start_date	Data Type	Date
API Name	start_date__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Vinotha A. 9/12/2025, 2:54 AM	Modified By	Vinotha A. 9/12/2025, 2:54 AM

General Options

Required☐

Default Value

PAYMENT FOR TENANT:

SETUP > OBJECT MANAGER

Payment for 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

Payment for tenant Custom Field

Payment date

Back to Payment for tenant

Validation Rules (0)

Custom Field Definition Detail

EditSet Field-Level SecurityView Field AccessibilityWhere is this used?

Field Information

Field Label	Payment date	Object Name	Payment for tenant
Field Name	Payment_date	Data Type	Date
API Name	Payment_date__c		
Description			
Help Text			
Data Owner			
Field Usage			
Data Sensitivity Level			
Compliance Categorization			
Created By	Vinotha A. 9/12/2025, 6:43 AM	Modified By	Vinotha A. 9/13/2025, 4:17 AM

General Options

Required☒

Default Value

Validation Rule:

Create A Validation Rule To An 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](#)

Validation Rule Detail

EditClone

Rule Namelease_end_dateActive✓

Error Condition FormulaEnd_date__c > start_date__c

Error MessageYour End date must be greater than start dateError Locationstart date

Description

Created ByVinotha A. 9/12/2025, 7:20 PMModified ByVinotha A. 9/13/2025, 5:03 AM

EditClone

Email Templates:

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 SalesforceUnfiled Public Classic Email Templates

Email Template NameTenant leavingAvailable For Use✓

Template Unique NameTenant_leavingLast Used Date

EncodingUnicode (UTF-8)Times Used

AuthorVinotha A. [Change]

Description

Created ByVinotha A. 9/12/2025, 7:29 PMModified ByVinotha A. 9/13/2025, 1:44 AM

EditDeleteClone

Email Template

Send Test and Verify Merge Fields


Subjectrequest for approve tha leave

Plain Text Preview

Dear {!Tenant__c.CreatedBy},

Leave Approved:

Manager ▾

 SETUP

Classic Email Templates

Text Email Template

Leave approved

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 approved	Available For Use	✓
Template Unique Name	Leave_approved	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	Vinotha A [Change]		
Description			
Created By	Vinotha A, 9/12/2025, 7:48 PM	Modified By	Vinotha A, 9/13/2025, 2:08 AM

Edit Delete Clone

Email Template

Send Test and Verify Merge Fields


Subject | Leave approved

Plain Text Preview

dear {!Tenant__c.Name}

Rejection For Leave:

anager ▾

 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	✓
Template Unique Name	Leave_rejected	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	Vinotha A [Change]		
Description			
Created By	Vinotha A, 9/12/2025, 7:53 PM	Modified By	Vinotha A, 9/13/2025, 2:09 AM

Edit Delete Clone

Email Template

Send Test and Verify Merge Fields


Subject | Leave rejected

Plain Text Preview

Dear {!Tenant__c.Name},

Monthly Payment:

U Manager

 **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	Vinotha A (Change)	
Description		
Created By	Vinotha A , 9/12/2025, 8:00 PM	Modified By Vinotha A , 9/13/2025, 1:45 AM

[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),

Successful Payment:

U Manager

 **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	Vinotha A (Change)	
Description		
Created By	Vinotha A , 9/12/2025, 8:00 PM	Modified By Vinotha A , 9/13/2025, 1:45 AM

[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),

APPROVAL PROCESSES:

Check For Vacant:

Manager ▾

SETUP

Approval Processes

Approval Processes

Tenant: check for vacant

[Back to Approval Process List](#)

Help for this Page ?

Process Definition Detail

Edit ▾CloneDelete

Active ☐ [i](#)

Process Name	check for vacant	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	Vinotha A. 9/13/2025, 1:23 AM		Modified By	Vinotha A. 9/13/2025, 2:15 AM	

Initial Submission Actions [i](#)

Add ExistingAdd New ▾

Action	Type	Description
Edit Remove	Record Lock	Lock the record from being edited
	Email Alert	please approve my leave

Final Approval Action:

SETUP

Email Alerts

Edit Email Alert

please approve my leave

Help for this Page ?

Create an email alert to associate with one or more workflow rules, approval processes, or entitlement processes. When changing an email alert, any modifications will apply to all rules, approvals, or entitlement processes associated with it.

Email Alert Edit

SaveSave & NewCancel

Required Information

Edit Email Alert

Description

Unique Name

Object

Email Template

Protected Component

Recipient Type

Recipients

please approve my leave

please_approve_my_leave [i](#)

Tenant

Tenant leaving [i](#)

☐

Search: User ▾ for: Find

Available Recipients

User: Integration User

User: OrgFarm EPIC

User: Security User

User: Vinotha A

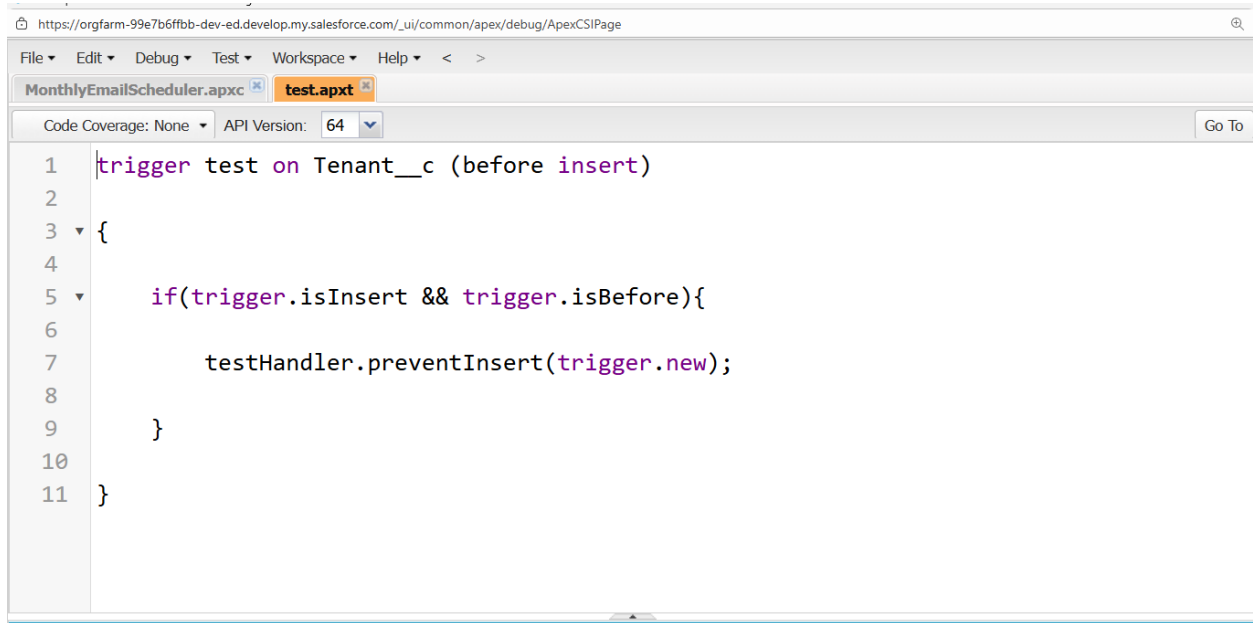
Add

Selected Recipients

Email Field: Email ▾

Apex Trigger:

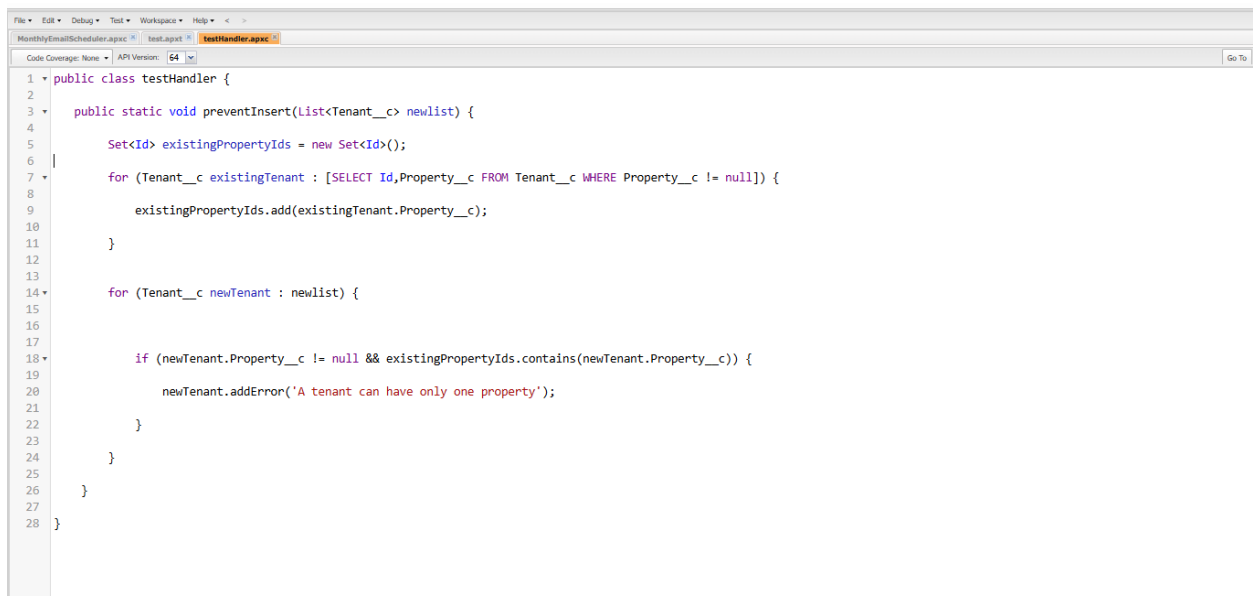
Create an apex trigger:



The screenshot shows the Salesforce IDE interface. The browser address bar displays the URL: https://orgfarm-99e7b6ffb-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage. The menu bar includes File, Edit, Debug, Test, Workspace, and Help. The tab bar shows 'MonthlyEmailScheduler.apxc' and 'test.apxt'. The status bar indicates 'Code Coverage: None' and 'API Version: 64'. The code editor displays the following Apex trigger code:

```
1 trigger test on Tenant__c (before insert)
2
3 {
4
5     if(trigger.isInsert && trigger.isBefore){
6
7         testHandler.preventInsert(trigger.new);
8
9     }
10
11 }
```

Create an apex handler class:



The screenshot shows the Salesforce IDE interface with the 'testHandler.apxc' file open. The menu bar and tab bar are the same as in the previous screenshot. The status bar shows 'Code Coverage: None' and 'API Version: 64'. The code editor displays the following Apex handler class code:

```
1 public class testHandler {
2
3     public static void preventInsert(List<Tenant__c> newList) {
4
5         Set<Id> existingPropertyIds = new Set<Id>();
6
7         for (Tenant__c existingTenant : [SELECT Id,Property__c FROM Tenant__c WHERE Property__c != null]) {
8
9             existingPropertyIds.add(existingTenant.Property__c);
10
11         }
12
13         for (Tenant__c newTenant : newList) {
14
15
16
17
18             if (newTenant.Property__c != null && existingPropertyIds.contains(newTenant.Property__c)) {
19
20                 newTenant.addError('A tenant can have only one property');
21
22             }
23
24         }
25
26     }
27
28 }
```

Testing the trigger:

```
1 // Global class MonthlyEmailScheduler implements Schedulable {
2 //
3 // global void execute(SchedulableContext sc) {
4 //     trigger context = Data.getTriggerContext();
5 //     if (context.isBefore()) {
6 //         sendMonthlyEmail();
7 //     }
8 // }
9 //
10 // public static void sendMonthlyEmail() {
11 //     List<Tenant__c> tenants = [SELECT Id, Email__c FROM Tenant__c];
12 //
13 //     for (Tenant__c tenant : tenants) {
14 //         String recipientEmail = tenant.Email__c;
15 //         String emailContent = 'Hi! 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.';
16 //         String emailSubject = 'Reminder: Monthly Rent Payment Due';
17 //
18 //         Messaging.SingleEmailMessage email = new Messaging.SingleEmailMessage();
19 //         email.setToAddresses(new String[] {recipientEmail});
20 //         email.setSubject(emailSubject);
21 //         email.setPlainTextBody(emailContent);
22 //
23 //         Messaging.sendEmail(new Messaging.SingleEmailMessage[] {email});
24 //     }
25 // }
26 // }
```

SCHEDULE CLASS:

Create an apex class

https://orgfarm-99e7b6ffbb-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

```
1 trigger test on Tenant__c (before insert)
2 {
3 {
4     if(trigger.isInsert && trigger.isBefore){
5         testHandler.preventInsert(trigger.new);
6     }
7 }
8 }
```

ADVANTAGE:

1. Centralized Information stores all lease agreements,

Documents, and key dates in one place. Reduces the risk of losing contracts or missing critical clauses.

2. Better Compliance & Risk Control Helps meet accounting standards (like IFRS/ASC 842). Sends automatic alerts for renewals, and regulatory deadlines.
3. Cost Savings Tracks payments, late fees, and penalties to avoid unnecessary costs. Highlights opportunities to renegotiate terms or terminate unprofitable leases.
4. Improved Financial Planning Generates reports on rent obligations, future cash flow, and asset utilization. Supports accurate budgeting and forecasting.

DISADVANTAGE:

1. High Initial Setup or Implementation Costs Purchasing or configuring lease-management software can be expensive. Data migration from legacy systems or spreadsheets takes time and money.
2. Complex Compliance Requirements Keeping up with changing accounting standards (e.g., IFRS 16, ASC 842) can be difficult. Errors in classification or reporting can lead to financial penalties.
3. Administrative Burden Collecting accurate data for every lease—dates, payments, maintenance details—requires ongoing effort. Poorly trained staff may create inconsistencies or duplication.
4. Dependence on Technology A system outage or cybersecurity breach can interrupt critical operations. Regular updates, backups, and IT support are essential.

CONCLUSION:

Lease management is more than simply tracking rental agreements—it is a strategic process that directly affects an organization's finances, compliance, and operational efficiency.

