

LEASE MANAGEMENT

COLLEGE NAME : CBM COLLEGE

COLLEGE CODE : bru01

TEAM ID: NM2025TMID24895

TEAM MEMBERS

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Email: hariviswha@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://developer.salesforce.com/signup>



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

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- ✓ Harmonize your data with Data Cloud
- ✓ Ground Agentforce with structured and unstructured data
- ✓ Integrate with anything using APIs

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First name	Last name
<input type="text" value="Manoj"/>	<input type="text" value="V"/>
Job title	Work email
<input type="text" value="developer"/>	<input type="text" value="mmanoj09119@gmail.com"/>
Company	Country/Region
<input type="text" value="CBM college"/>	<input type="text" value="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.

- Created objects: Property, Tenant, Lease, Payment



Setup

Home

Object 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

Details

Description

API Name

Tenant__c

Custom

✓

Singular Label

Tenant

Plural Label

Tenant

Enable Reports

✓

Track Activities

✓

Track Field History

✓

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window



Search Setup

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Property

Details

Fields & Relationships

Page Layouts

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Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

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



Search Setup

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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

Details

Description

API Name

Payment_for_tenant__c

Custom

✓

Singular Label

Payment for tenant

Plural Label

Payment

Enable Reports

✓

Track Activities

✓

Track Field History

✓

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

[Setup](#)
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lease

Details

- Fields & Relationships
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types

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

● Configured fields and relationships

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lease

Details

- Fields & Relationships**
- Page Layouts
- Lightning Record Pages
- Buttons, Links, and Actions
- Compact Layouts
- Field Sets
- Object Limits
- Record Types
- Related Lookup Filters
- Restriction Rules
- Scoping Rules

Fields & Relationships
7 Items, Sorted by Field Label

[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		

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[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
- Restriction Rules
- Scoping Rules

Fields & Relationships
8 Items, Sorted by Field Label

[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)		
Payment Date	Payment_Date__c	Date		
Payment Name	Name	Text(80)		✓
Property	Property__c	Master-Detail(Property)		✓
Tenant	Tenant__c	Lookup(Tenant)		✓

Setup

Home

Object Manager

Search Setup

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SETUP > OBJECT MANAGER

Tenant

Details

Fields & Relationships

Page Layouts

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Buttons, Links, and Actions

Compact Layouts

Field Sets

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Record Types

Related Lookup Filters

Restriction Rules

Scoping 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
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)		✓

Setup

Home

Object Manager

Search Setup

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SETUP > OBJECT MANAGER

Property

Details

Fields & Relationships

Page Layouts

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Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Fields & Relationships

8 Items, Sorted by Field Label

Quick Find

New

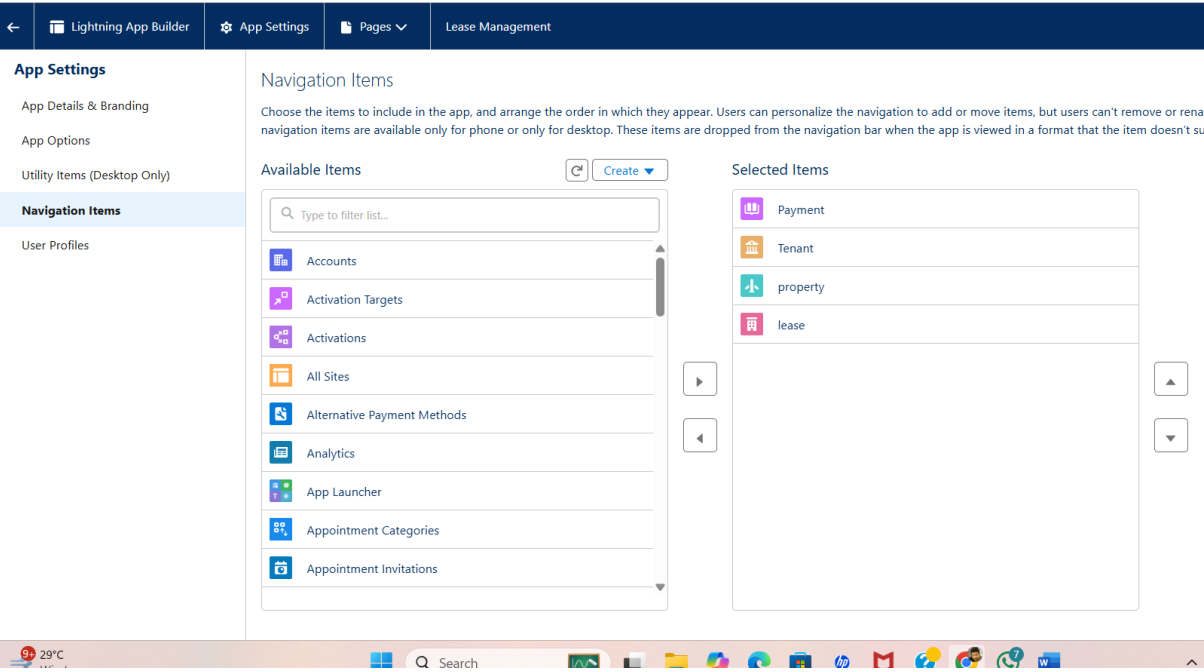
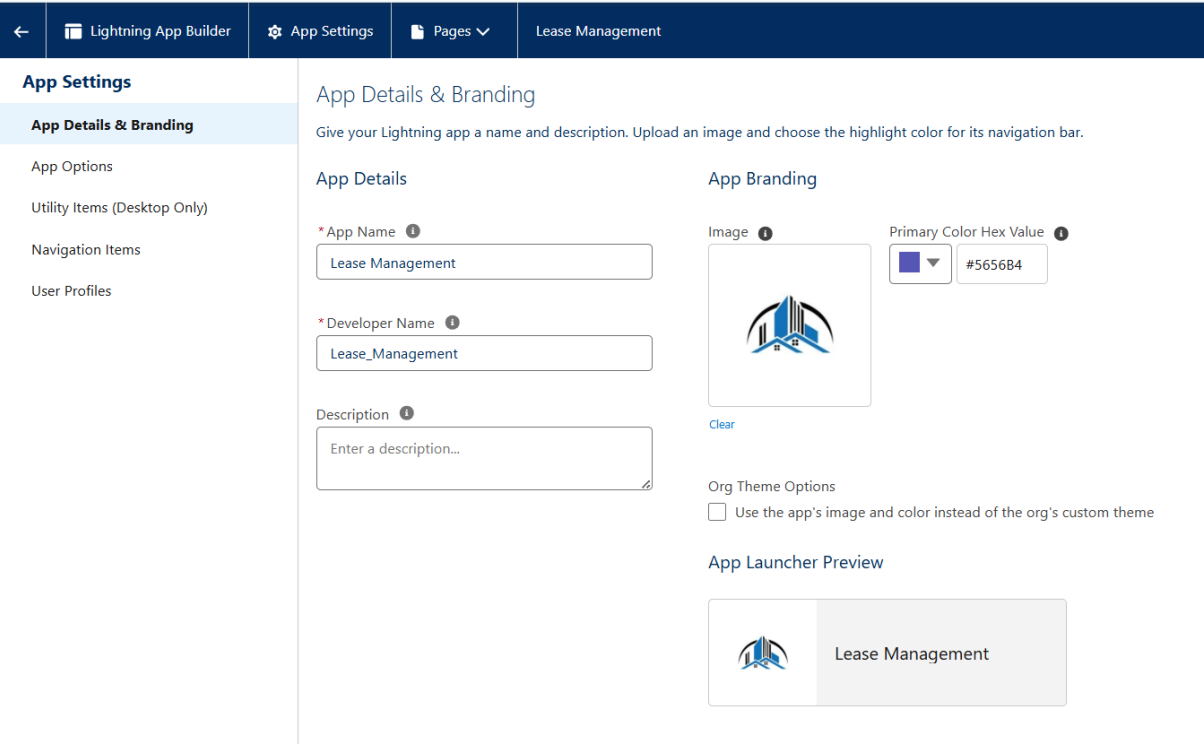
Deleted Fields

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)		✓
sqft	sqft__c	Text(18)		
Type	Type__c	Picklist		

● Developed Lightning App with relevant tabs



← Lightning App Builder App Settings Pages Lease Management

App Settings

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

User Profiles

Choose the user profiles that can access this app.

Available Profiles

Q. Type to filter list...

- 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

Selected Profiles

System Administrator

Lease Management Payment Tenant property lease Manoj V X

Payment

Recently Viewed

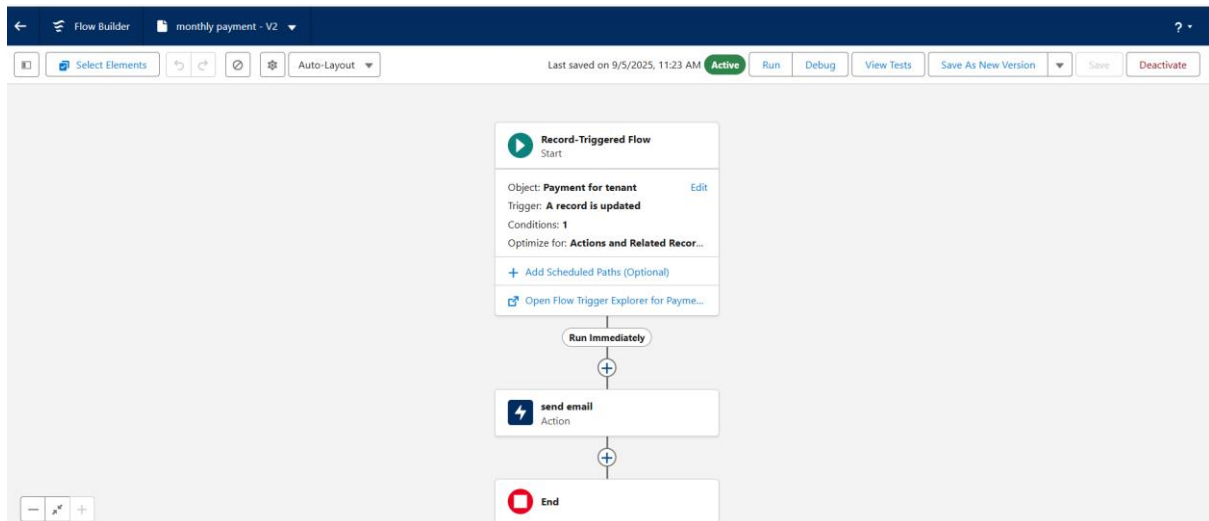
3 items • Updated a few seconds ago

New Import Assign Label

Payment Name

1	<input type="checkbox"/>	hariharan	
2	<input type="checkbox"/>	kalai	
3	<input type="checkbox"/>	SRILL	

● Implemented Flows for monthly rent and payment success



- To create a validation rule to a Lease Object

The screenshot shows the Salesforce Setup interface. The top navigation bar includes the Salesforce logo, a search bar, and various utility icons. The left sidebar shows the 'Setup' menu with 'Object Manager' selected. The main content area is titled 'lease Validation Rule' and includes a 'Back to lease' link. The 'Validation Rule Detail' section shows the following information:

Validation Rule Detail	
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, select the Error location as Field and select the field as 'start date', and click Save.
Description	
Created By	Manoj Y. 8/23/2025, 7:41 AM
Modified By	Manoj Y. 9/4/2025, 5:22 AM

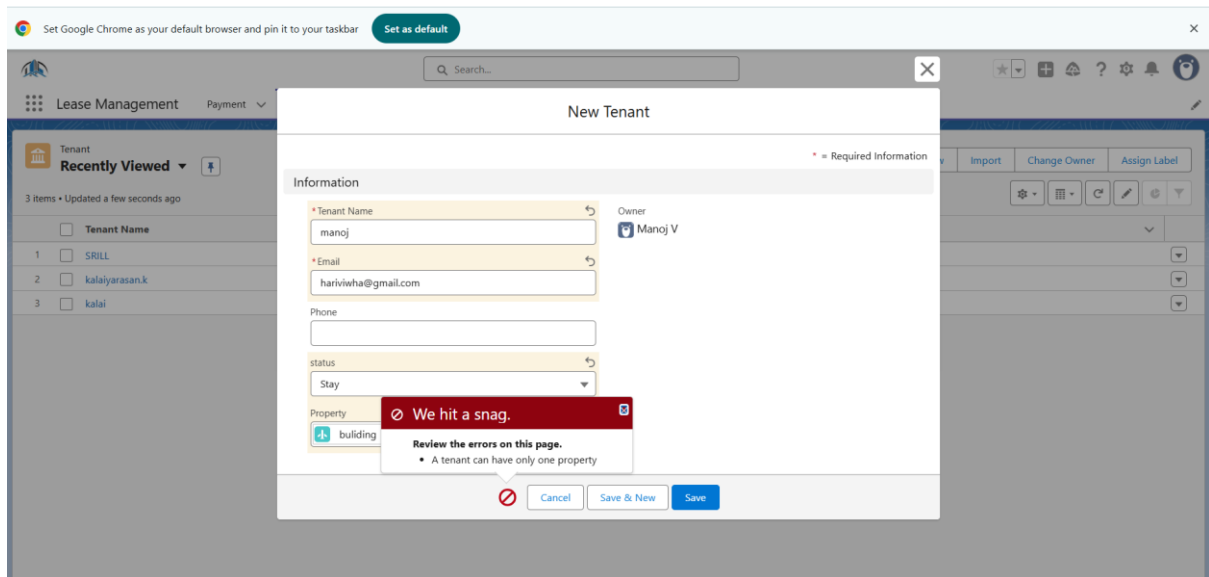
Buttons for 'Edit' and 'Clone' are available for the Rule Name, Error Condition Formula, and Created By fields. The 'Active' checkbox is checked.

The screenshot shows the Salesforce Setup interface with the 'lease Validation Rule' configuration in edit mode. The top navigation bar and left sidebar are the same as the previous screenshot. The main content area is titled 'lease Validation Rule' and includes a 'Help for this Page' link. The 'Validation Rule Edit' section shows the following information:

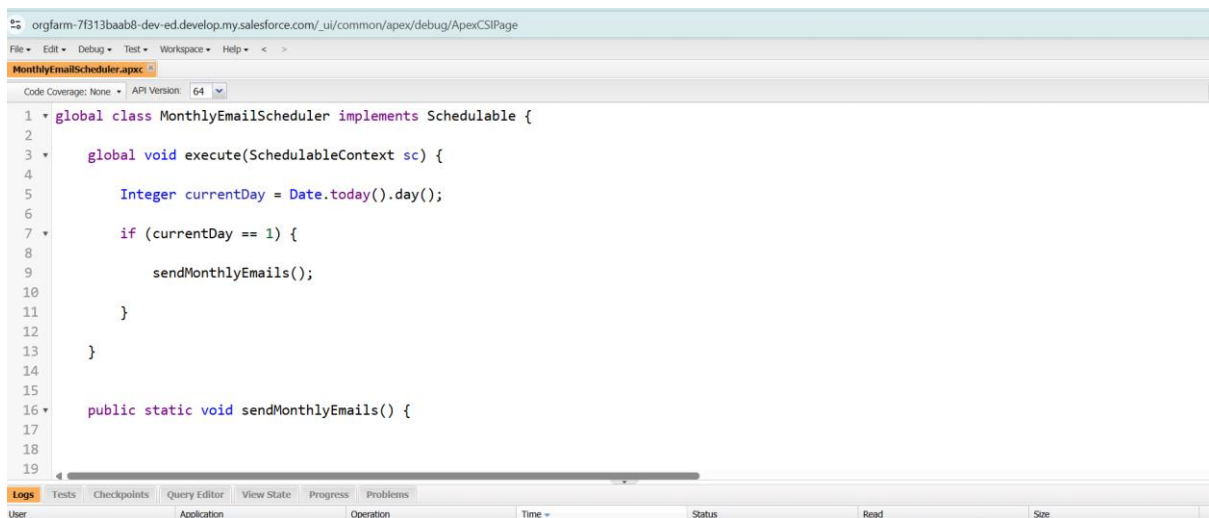
Validation Rule Edit	
Rule Name	lease_end_date
Active	<input checked="" type="checkbox"/>
Description	

Buttons for 'Save', 'Save & New', and 'Cancel' are available. The 'Error Condition Formula' section shows an example formula: `Discount_Percent__c > 0.30`. Below the example, it states: 'Display an error if Discount is more than 30%. If this formula expression is true, display the text defined in the Error Message area.' The formula editor shows the formula: `End_Date__c <= Start_Date__c`. A 'Functions' dropdown menu is open, showing a list of functions including ABS, ACOS, ADDMONTHS, AND, ASCII, and ASIN. The 'Quick Tips' section on the right includes a link to 'Operators & Functions'.

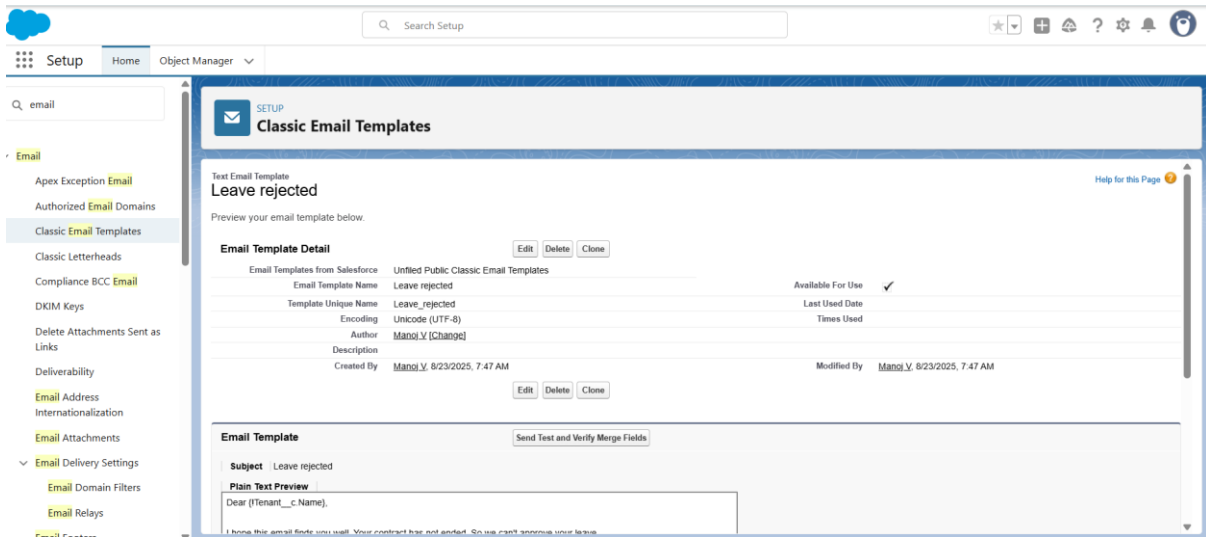
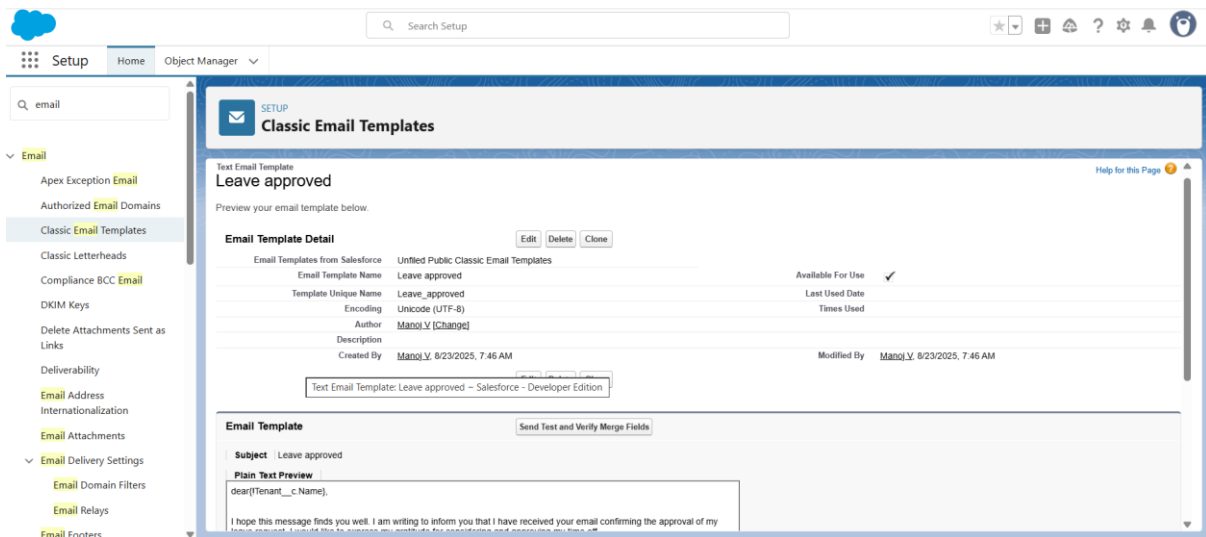
- Added Apex trigger to restrict multiple tenants per property



- Scheduled monthly reminder emails using Apex class



- Built and tested email templates for leave request, approval, rejection, payment, and reminders



Setup

Home

Object Manager

Search Setup

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Plus

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email

Email

Apex Exception Email

Authorized Email Domains

Classic Email Templates

Classic Letterheads

Compliance BCC Email

DKIM Keys

Delete Attachments Sent as Links

Deliverability

Email Address Internationalization

Email Attachments

Email Delivery Settings

Email Domain Filters

Email Relays

Classic Email Templates

Text Email Template

Tenant leaving

Help for this Page

Preview your email template below.

Email Template Detail

Edit

Delete

Clone

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

Times Used

Encoding

Unicode (UTF-8)

Author

Manoj.V [Change]

Description

Created By

Manoj.V, 8/23/2025, 7:45 AM

Modified By

Manoj.V, 9/4/2025, 7:47 AM

Text Email Template: Tenant leaving - Salesforce - Developer Edition

Email Template

Send Text and Verify Merge Fields

Subject

request for approve the leave

Plain Text Preview

Dear {Tenant__c.CreatedBy},

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email

Email

Apex Exception Email

Authorized Email Domains

Classic Email Templates

Classic Letterheads

Compliance BCC Email

DKIM Keys

Delete Attachments Sent as Links

Deliverability

Email Address Internationalization

Email Attachments

Email Delivery Settings

Email Domain Filters

Email Relays

Email Footers

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

Unified Public Classic Email Templates

Email Template Name

Tenant Payment

Available For Use

✓

Template Unique Name

Tenant_Payment

Last Used Date

Times Used

Encoding

Unicode (UTF-8)

Author

Manoj.V [Change]

Description

Created By

Manoj.V, 8/23/2025, 7:49 AM

Modified By

Manoj.V, 9/4/2025, 8:31 AM

Email Template

Send Text 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.

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email

Email

Apex Exception Email

Authorized Email Domains

Classic Email Templates

Classic Letterheads

Compliance BCC Email

DKIM Keys

Delete Attachments Sent as Links

Deliverability

Email Address Internationalization

Email Attachments

Email Delivery Settings

Email Domain Filters

Email Relays

Classic Email Templates

Text Email Template

Tenant Email

Help for this Page

Preview your email template below.

Email Template Detail

Edit

Delete

Clone

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

Times Used

Encoding

Unicode (UTF-8)

Author

Manoj.V [Change]

Description

Text Email Template: Tenant Email - Salesforce - Developer Edition

Modified By

Manoj.V, 9/3/2025, 8:13 AM

Email Template

Send Text and Verify Merge Fields

Subject

Urgent: Monthly Rent Payment Reminder

Plain Text Preview

Dear {Tenant__c.Name},

We hope this email finds you well. We are writing to inform you that we have successfully received your monthly payment.

● Approval Process Creation For Tenant Leaving:

The screenshot shows the Salesforce Setup interface for creating an approval process. The left sidebar contains navigation links: Setup, Home, Object Manager, and a search bar. The main content area is titled 'Approval Processes' and shows the details for a process named 'Tenant approval'. The process is active and has a unique name of 'Tenant_approval'. The entry criteria is 'Tenant: status EQUALS Leaving'. The record editability is 'Administrator ONLY'. The initial submitters are 'Tenant Owner'. The process was created by 'Manoj.V.' on 9/5/2025 at 3:25 AM. The initial submission actions include a 'Record Lock' action with the description 'Lock the record from being edited'.

Approval Processes

Tenant: Tenant approval

Process Definition Detail

Process Name	Tenant approval	Active	✓
Unique Name	Tenant_approval	Next Automated Approver Determined By	
Description			
Entry Criteria	Tenant: status EQUALS Leaving		
Record Editability	Administrator ONLY	Allow Submitters to Recall Approval Requests	<input type="checkbox"/>
Approval Assignment Email Template			
Initial Submitters	Tenant Owner		
Created By	Manoj.V. 9/5/2025, 3:25 AM	Modified By	Manoj.V. 9/5/2025, 3:31 AM

Initial Submission Actions

Action	Type	Description
Record Lock		Lock the record from being edited

For Check for Vacant:

The screenshot shows the Salesforce Setup interface for creating an approval process. The left sidebar contains navigation links: Setup, Home, Object Manager, and a search bar. The main content area is titled 'Approval Processes' and shows the details for a process named 'check for vacant'. The process is active and has a unique name of 'check_for_vacant'. The entry criteria is 'Tenant: status NOT EQUAL TO Leaving'. The record editability is 'Administrator ONLY'. The initial submitters are 'Tenant Owner'. The process was created by 'Manoj.V.' on 8/23/2025 at 7:59 AM. The initial submission actions include a 'Record Lock' action with the description 'Lock the record from being edited' and an 'Email Alert' action with the description 'please approve my leave'.

Approval Processes

Tenant: check for vacant

Process Definition Detail

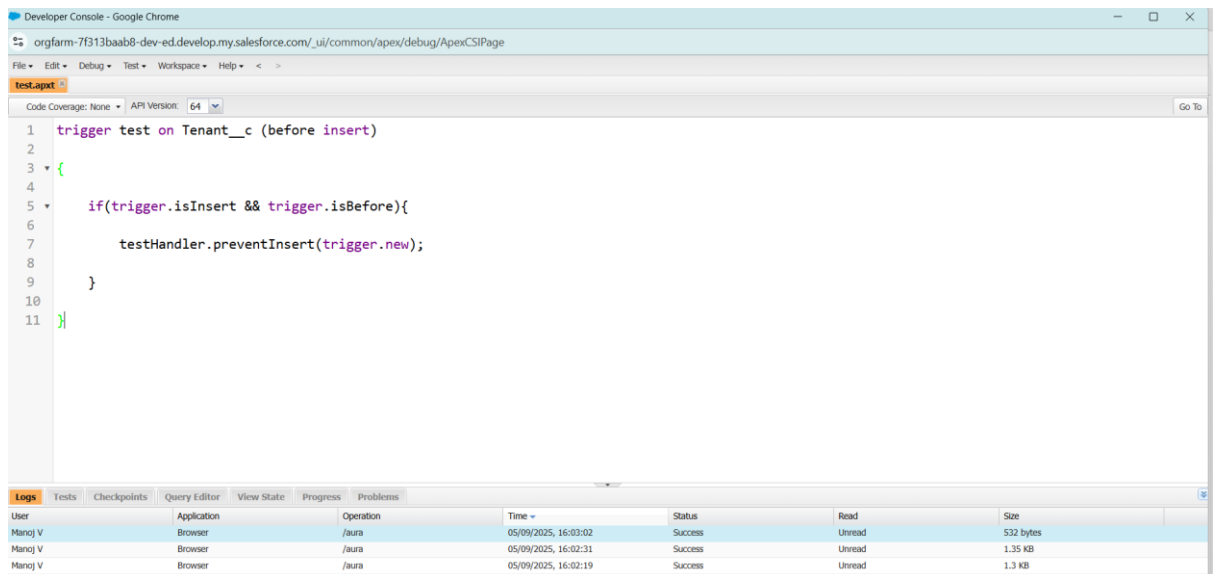
Process Name	check for vacant	Active	✓
Unique Name	check_for_vacant	Next Automated Approver Determined By	
Description			
Entry Criteria	Tenant: status NOT EQUAL TO Leaving		
Record Editability	Administrator ONLY	Allow Submitters to Recall Approval Requests	<input type="checkbox"/>
Approval Assignment Email Template			
Initial Submitters	Tenant Owner		
Created By	Manoj.V. 8/23/2025, 7:59 AM	Modified By	Manoj.V. 9/4/2025, 6:52 AM

Initial Submission Actions

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

● Apex Trigger

Create an Apex Trigger



Create an Apex Handler class

Developer Console - Google Chrome
orgfarm-7f313baab8-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage
File Edit Debug Test Workspace Help
test.appt testHandler.apex
Code Coverage: None API Version: 64
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
14 for (Tenant__c newTenant : newList) {
15
16
17
18 if (newTenant.Property__c != null && existingPropertyIds.contains(newTenant.Property__c)) {
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Flow Builder | monthly payment - V2

Last saved on 9/5/2025, 11:23 AM | Active | Run | Debug | View Tests | Save As New Version | Save | Deactivate

Select Elements | Auto-Layout

Record-Triggered Flow
Start

Object: **Payment for tenant** | Edit

Trigger: **A record is updated**

Conditions: **1**

Optimize for: **Actions and Related Records**

+ Add Scheduled Paths (Optional)

Open Flow Trigger Explorer for Payments

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

Custom Condition Logic Is Met

• Schedule class:

Create an Apex Class

Developer Console - Google Chrome

orgfarm-7f313baab8-dev-ed.develop.my.salesforce.com/_ui/common/apex/debug/ApexCSIPage

File | Edit | Debug | Test | Workspace | Help | >

MonthlyEmailScheduler.apxc

Code Coverage: None | API Version: 64

```

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
16 public static void sendMonthlyEmails() {
17
18
19

```

Open

Entity Type	Entities	Related
Entity Type	Name	Namespace
Classes	MonthlyEmailS...	Email
Triggers	testHandler	Extent
Pages		Direction
Page Components		← Tenant...
Objects		SOObject
Static Resources		Refer...
Packages		Refer...

Open | Filter the repository (* = any string) | Hide Managed Packages | Refresh

Logs | Tests | Checkpoints | Query Editor | View State | Progress | Problems

Schedule Apex class

The screenshot shows the Salesforce Setup interface. On the left, the navigation menu includes Setup, Home, and Object Manager. The main content area is titled 'Apex Classes' and displays details for the 'MonthlyEmailScheduler' class. The class is owned by 'Manoj V' and was created on 9/3/2025 at 9:52 PM. It is currently 'Active' with 0% code coverage. The class body is visible, showing a global class that implements the 'Schedulable' interface. The code includes a 'execute' method that checks the current day and sends monthly emails if it's the first day of the month.

Apex Class
MonthlyEmailScheduler

Apex Class Detail

Name: MonthlyEmailScheduler
Namespace Prefix:
Created By: Manoj V, 9/3/2025, 9:52 PM
Status: Active
Code Coverage: 0% (0/15)
Last Modified By: Manoj V, 9/4/2025, 11:14 PM

Class Body

```
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         sendMonthlyEmails();  
9     }  
10  
11 }  
12  
13 }  
14  
15 public static void sendMonthlyEmails() {  
16
```

The screenshot shows the Salesforce Lease Management interface. The main content area displays the details of a tenant named 'SRILL'. The tenant's name is 'SRILL', email is 'srilkumarsrillkumars@gmail.com', phone is '9943060419', status is 'Stay', and property is 'building'. The tenant is owned by 'Manoj V'. The 'Activity' section on the right shows a list of activities, including 'New Case', 'New Lead', 'Delete', 'Clone', 'Change Owner', 'Printable View', 'Sharing', 'Sharing Hierarchy', 'Submit for Approval', and 'Edit Lab'. The 'Submit for Approval' button is highlighted.

Lease Management

Tenant Details

Tenant Name: SRILL
Email: srilkumarsrillkumars@gmail.com
Phone: 9943060419
Status: Stay
Property: building

Owner: Manoj V

Activity

Filters: All time • All act
Refresh

Upcoming & Overdue

No activities to show.
Get started by sending an email, scheduling a meeting, or creating a task.

No past activity. Past meetings and tasks marked as completed.

Submit for Approval

Lease Management | Payment | Tenant | property | lease | * Manoj V | * kalaiyarasank Approval

Tenant: SRILL | Tenant was submitted for approval. | New Contact | Edit | New Opportunity

Related Details * = Required Information

Tenant Name: Owner: Manoj V

Email:

Phone:

Status:

Property:

Created By: Manoj V, 8/31/2025, 11:51 PM | Cancel | Save | Last Modified By: V, 9/4/2025, 7:00 AM

Activity

Filters: All time • All activities • All types | Refresh • Expand All • View All

Upcoming & Overdue

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

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

Lease Management | Payment | Tenant | property | lease | * Manoj V | * kalaiyarasank Approval

Tenant: SRILL

Related Details

Payments (0) [New](#)

Approval History (6+)

Step Name	Date	Status	Assigned To
Approval Request Submitted	9/5/2025, 3:56 AM	Submitted	Manoj V
Approval Request Submitted	9/5/2025, 3:56 AM	Approved	Manoj V
Approval Request Submitted	9/4/2025, 10:58 PM	Submitted	Manoj V
Approval Request Submitted	9/4/2025, 10:58 PM	Approved	Manoj V
Approval Request Submitted	9/4/2025, 10:27 PM	Submitted	Manoj V
Approval Request Submitted	9/4/2025, 10:27 PM	Approved	Manoj V

Notifications [Mark all as read](#)

Manoj V is requesting approval for tenant
Tenant Name: kalaiyarasank • Owner: Manoj V
26 minutes ago

New Guidance Center learning resource available
Define Your Sales Process
Learn how to guide reps through the sales process.
Aug 23, 2025, 8:57 PM

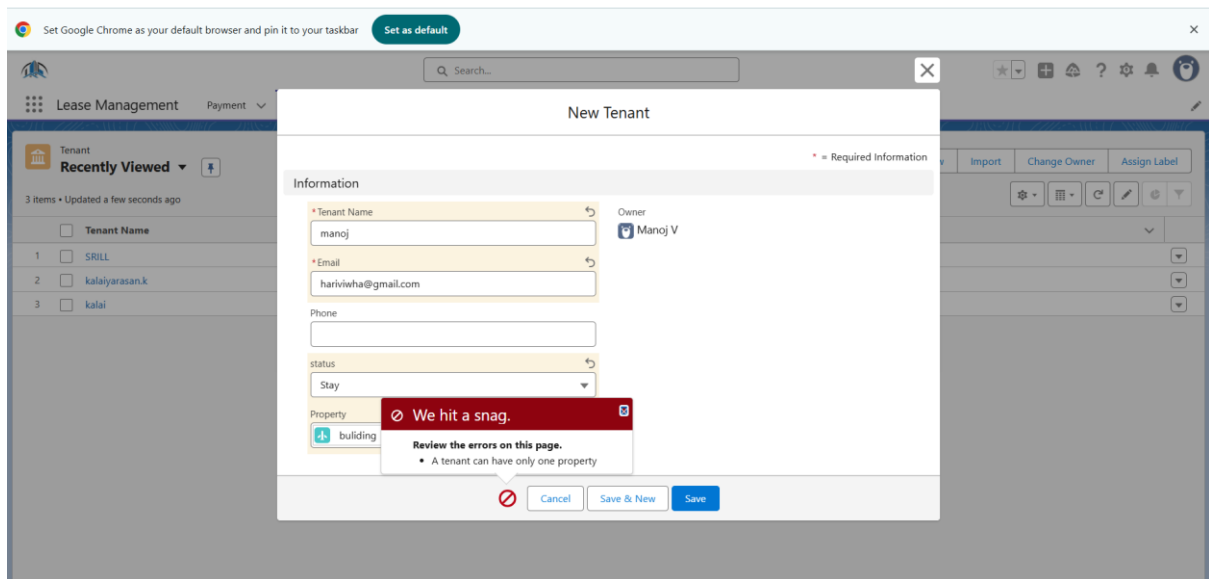
New Guidance Center learning resource available
Set Up Accounts & Contacts
Start storing information about your customers with accounts and contacts.
Aug 23, 2025, 8:57 PM

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

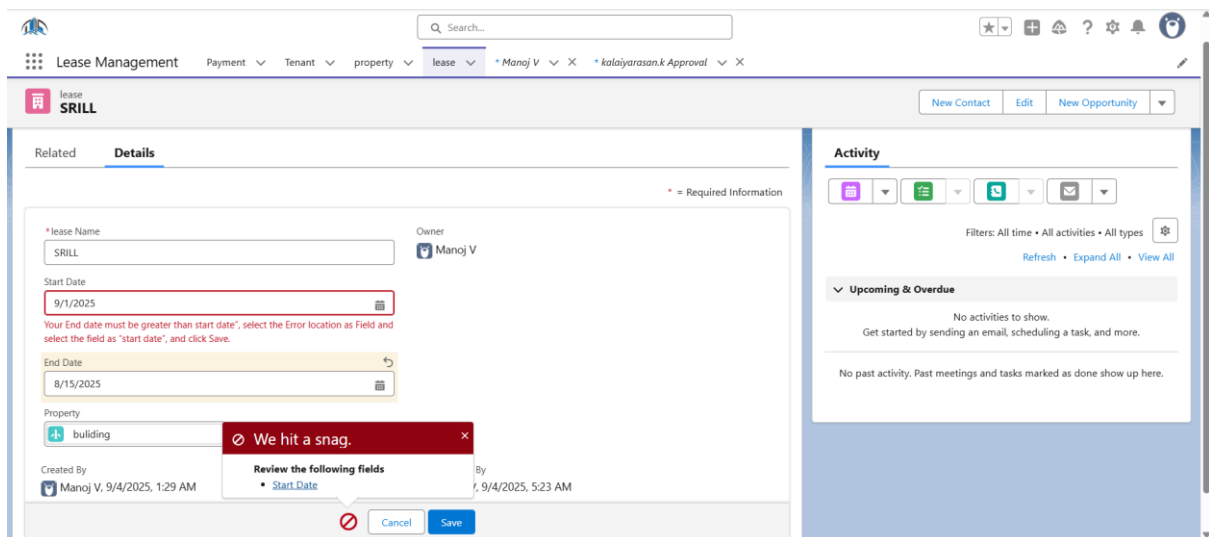
FUNCTIONAL AND PERFORMANCE TESTING

Performance Testing

- Trigger validation by entering duplicate tenant-property records



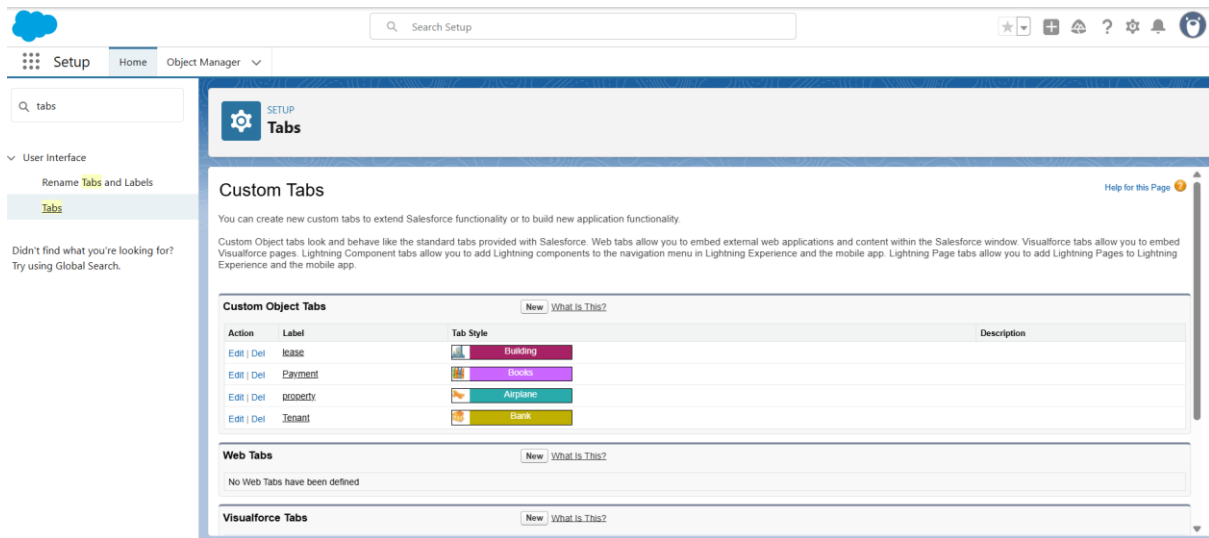
● Validation Rule checking



RESULTS

Output Screenshots

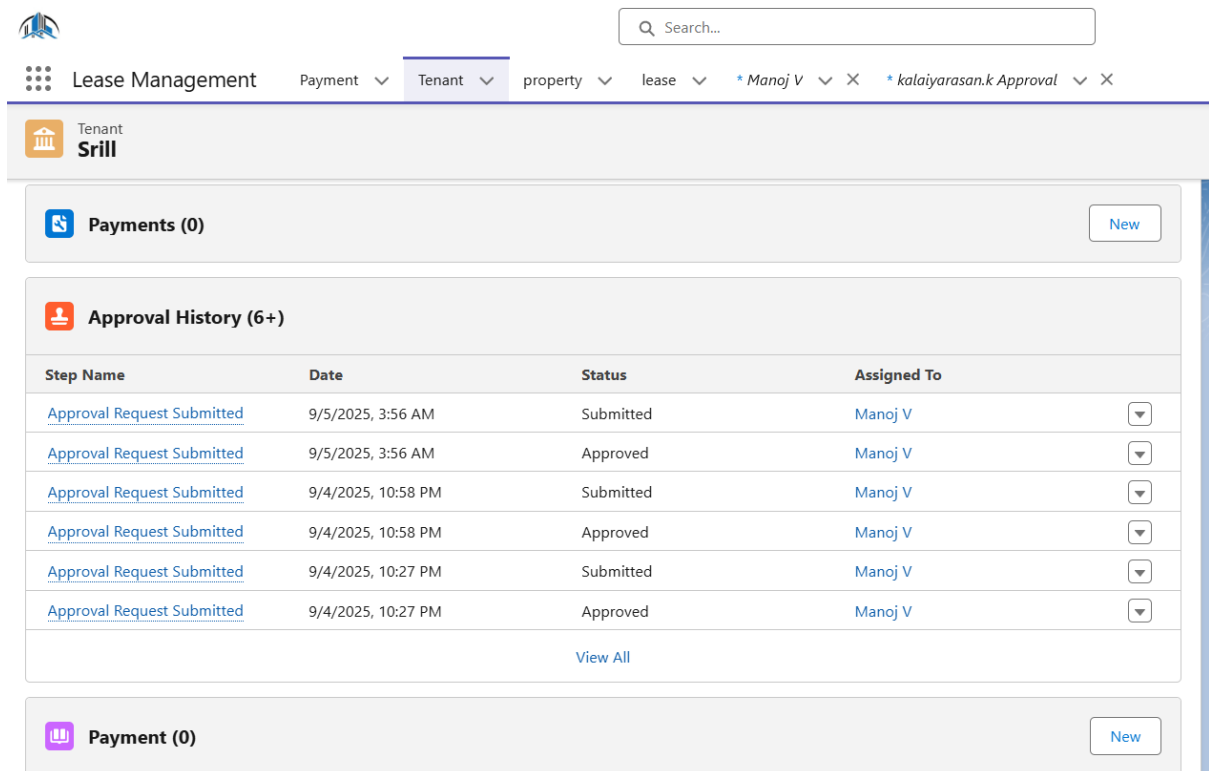
- Tabs for Property, Tenant, Lease, Payment



The screenshot shows the Salesforce Setup interface for the 'Tabs' section. The left sidebar contains a search bar with 'tabs' entered, and a navigation menu with 'User Interface' expanded, showing 'Rename Tabs and Labels' and 'Tabs' (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 custom tabs. The 'Custom Object Tabs' section features a table with columns for Action, Label, Tab Style, and Description. It lists four tabs: 'lease' (Building style), 'Payment' (Books style), 'property' (Airplane style), and 'Tenant' (Bank style). Below this, the 'Web Tabs' and 'Visualforce Tabs' sections are shown, both indicating that no tabs have been defined.

Action	Label	Tab Style	Description
Edit Del	lease	Building	
Edit Del	Payment	Books	
Edit Del	property	Airplane	
Edit Del	Tenant	Bank	

• Email alerts

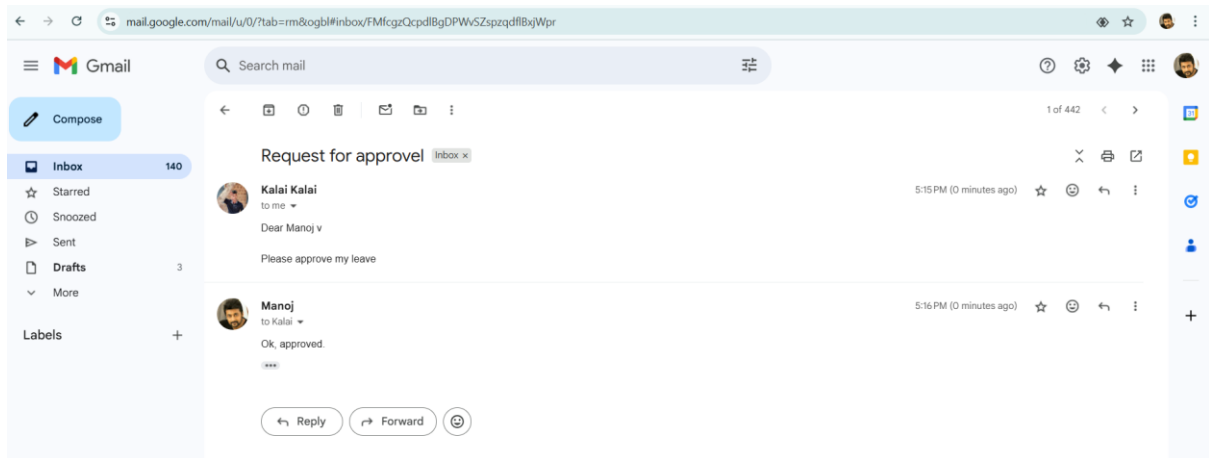


The screenshot displays the Salesforce 'Lease Management' page. The top navigation bar includes a search bar and a breadcrumb trail: 'Lease Management' > 'Payment' > 'Tenant' > 'property' > 'lease'. The main content area is divided into three sections: 'Payments (0)' with a 'New' button, 'Approval History (6+)' with a table of approval requests, and 'Payment (0)' with a 'New' button. The 'Approval History' table has columns for Step Name, Date, Status, and Assigned To, showing a sequence of submitted and approved requests assigned to 'Manoj V'.

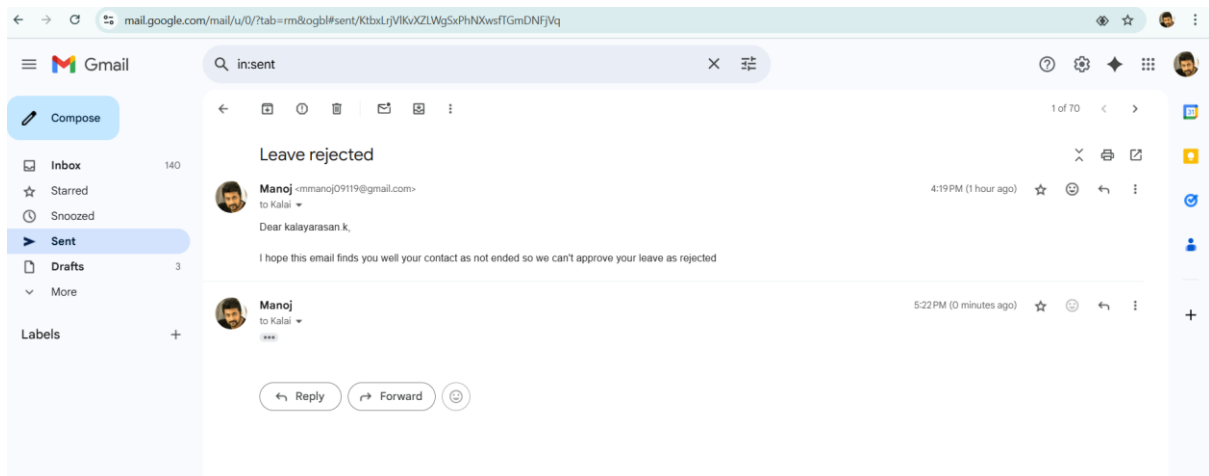
Step Name	Date	Status	Assigned To
Approval Request Submitted	9/5/2025, 3:56 AM	Submitted	Manoj V
Approval Request Submitted	9/5/2025, 3:56 AM	Approved	Manoj V
Approval Request Submitted	9/4/2025, 10:58 PM	Submitted	Manoj V
Approval Request Submitted	9/4/2025, 10:58 PM	Approved	Manoj V
Approval Request Submitted	9/4/2025, 10:27 PM	Submitted	Manoj V
Approval Request Submitted	9/4/2025, 10:27 PM	Approved	Manoj V

Request for approve the leave

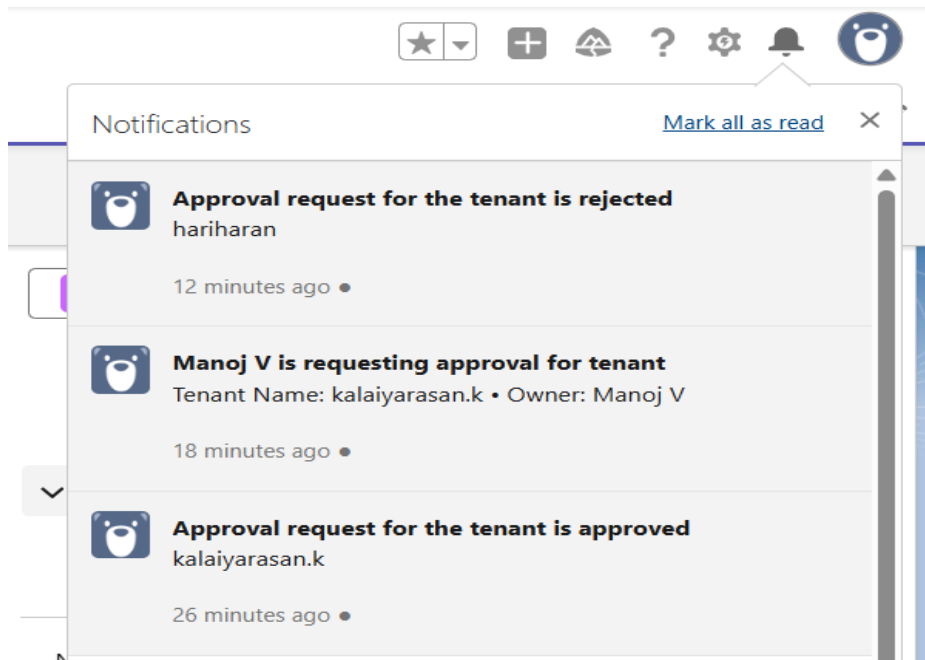
- Leave approved



- Leave rejected



- Approval process notifications



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');
        }
    }
}

```

MonthlyEmailScheduler.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});

}

}

}