

PROJECT

College Name: Tiruppurkumarancollegeforwomen

College Code: bru3j

PROJECT TOPIC : LEAST MANAGEMENT

TEAM ID: NM2025TMID28474

TEAM MEMBERS:

Team LeaderName: RANJINI N

Email: Ranjinin361@gmail.com

Team Member1: MUTHULAKSHMI K

Email: muthuthangam047@gmail.com

Team Member: ETHAYA SHREE S

Email: sp7444746@gmail.com

Team Member: MATHU N

Email: nmathu1822006@gmail.com

1. INTRODUCTION

1.1 Project Overview

The Lease Management System is a Salesforce-based application that simplifies real estate leasing operations by managing tenants, lease agreements, payments, and communications, while leveraging automation tools like flows, approval processes, and email alerts.



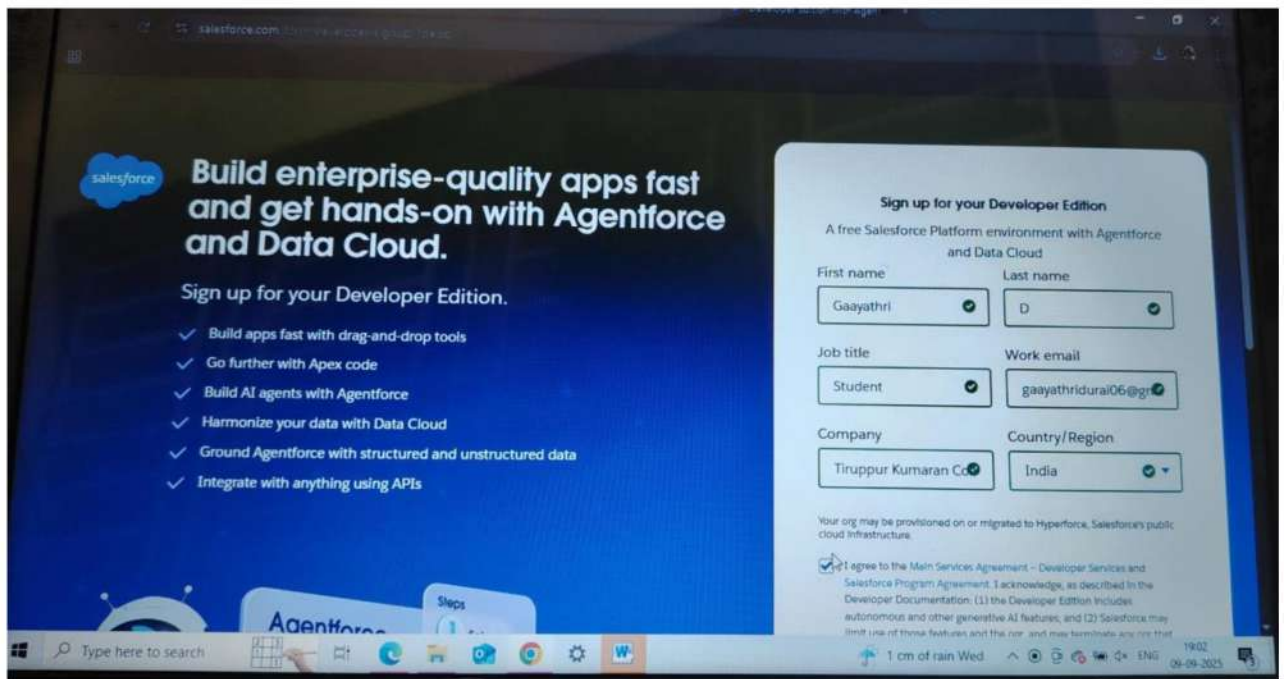
1.2 Purpose

The main objective of the project is to enable organizations to efficiently manage properties, tenants, and lease-related activities. It reduces manual intervention, improves accuracy, and ensures better compliance and communication.

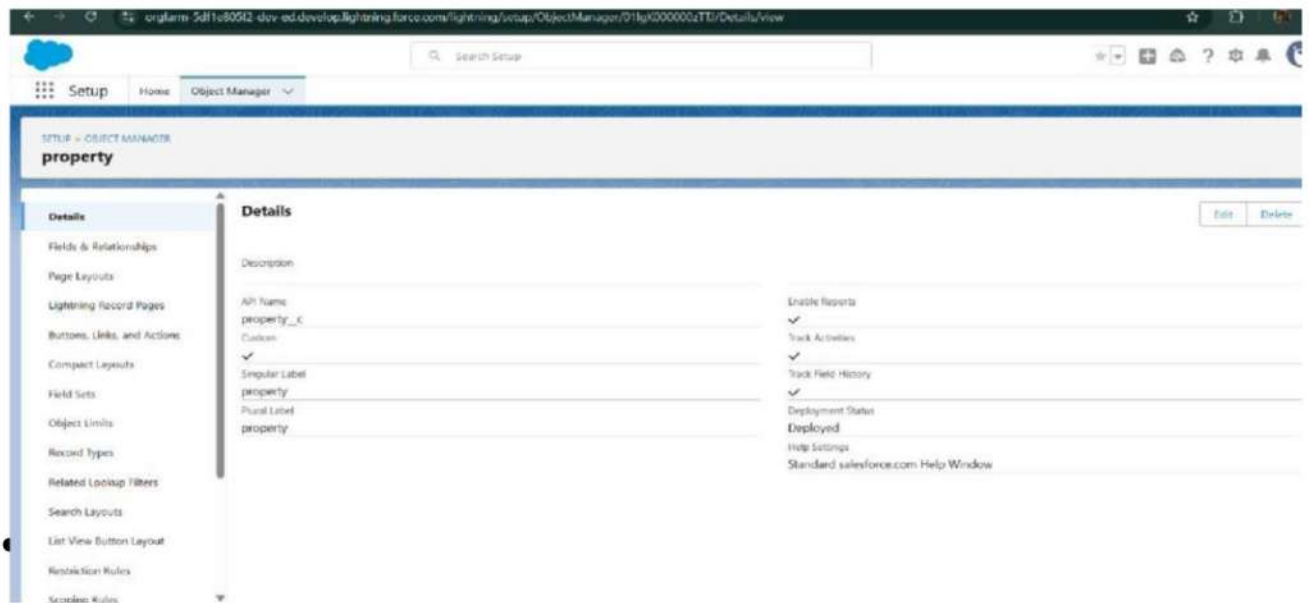
DEVELOPMENT PHASE

Creating Developer Account:

By using this URL - <https://www.salesforce.com/form/developer-signup/?d=pb>



Created objects: Property, Tenant, Lease, Payment



org1am-5df1e80592-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gk000000zThN/Details/view

Setup Home Object Manager

SETUP - OBJECT MANAGER

Tenant

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

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
- Scoping Rules

Details

Description

API Name
Tenant__c
Custom
✓
Singular Label
Tenant
Plural Label
Tenants

Exclude Reports
✓
Track Activities
✓
Track Field History
✓
Deployment Status
Deployed
Help Settings
Standard salesforce.com Help Window

org1am-5df1e80592-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gk000000zTug/Details/view

Setup Home Object Manager

SETUP - OBJECT MANAGER

lease

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

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
leases

Exclude Reports
✓
Track Activities
✓
Track Field History
✓
Deployment Status
Deployed
Help Settings
Standard salesforce.com Help Window

org1am-5df1e80592-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01gk000000zTtd/Details/view

Setup Home Object Manager

SETUP - OBJECT MANAGER

Payment for tenanat

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

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
- Scoping Rules

Details

Description

API Name
Payment_for_tenanat__c
Custom
✓
Singular Label
Payment for tenanat
Plural Label
Payments

Exclude Reports
✓
Track Activities
✓
Track Field History
✓
Deployment Status
Deployed
Help Settings
Standard salesforce.com Help Window

Configured fields and relationships

Setup

Home

Object Manager

Search Setup

Star

Grid

Print

Help

Settings

Notifications

User

Setup > OBJECT MANAGER

property

Details

Fields & Relationships

9 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	property__c	Lookup(property)		✓
property Name	Name	Text(30)		✓
slot	slot__c	Text(18)		
Type	Type__c	Picklist		

Setup

Home

Object Manager

Search Setup

Star

Grid

Print

Help

Settings

Notifications

User

Setup > OBJECT MANAGER

Payment for tenant

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
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(30)		✓

Setup

Home

Object Manager

Search Setup

Star

Grid

Print

Help

Settings

Notifications

User

Setup > OBJECT MANAGER

lease

Details

Fields & Relationships

7 Items, Sorted by Field Label

Quick Find

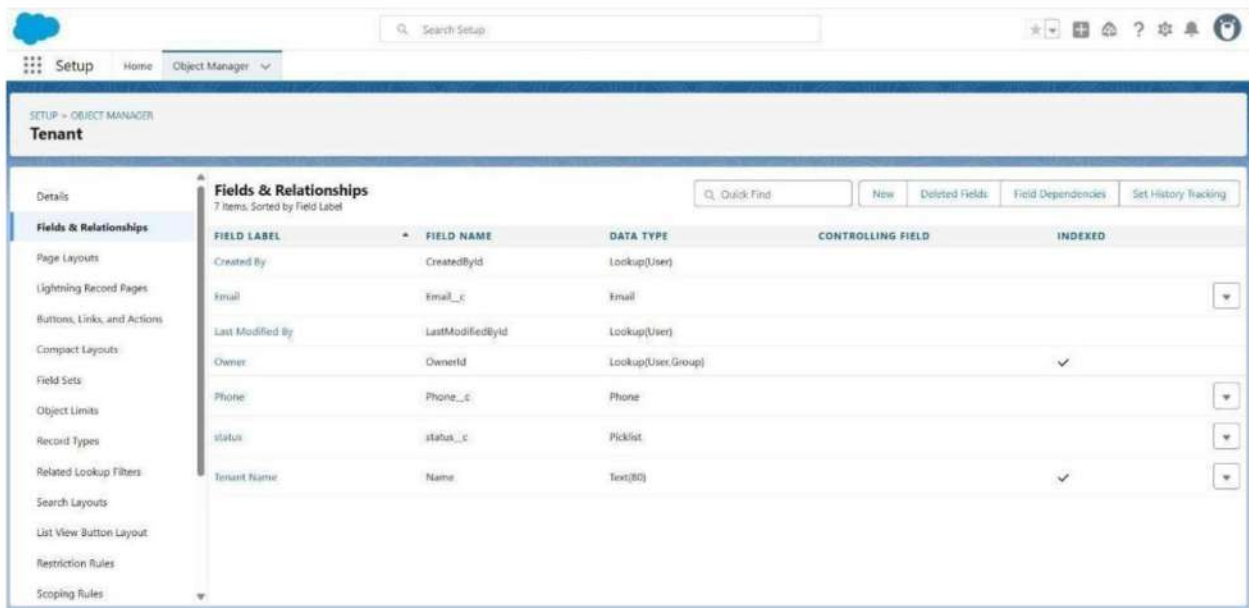
New

Deleted Fields

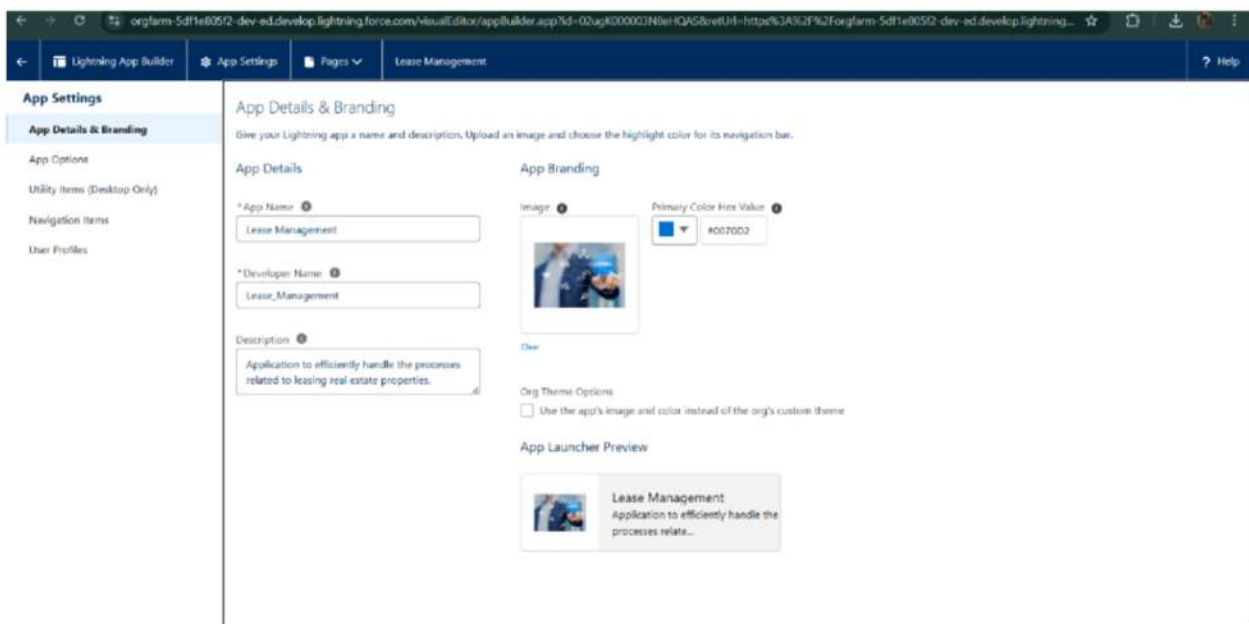
Field Dependencies

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(30)		✓
Owner	OwnerId	Lookup(User Group)		✓
property	property__c	Lookup(property)		✓
start date	start_date__c	Date		



Developed Lightning App with relevant tabs



org/iam-5d1e805f2-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02ugk000003N8eiHQAS&refUrl=http%3A%2F%2Forg/iam-5d1e805f2-dev-ed.develop.lightning...

Lightning App Builder App Settings Pages Lease Management Help

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. These items are dropped from the navigation bar when the app is viewed in a format that the item doesn't support.

Available Items

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

Selected Items

- Payment
- Tenants
- property
- lease

org/iam-5d1e805f2-dev-ed.develop.lightning.force.com/visualEditor/appBuilder.app?id=02ugk000003N8eiHQAS&refUrl=http%3A%2F%2forg/iam-5d1e805f2-dev-ed.develop.lightning...

Lightning App Builder App Settings Pages Lease Management Help

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

- Analytics Cloud Integration User
- Analytics Cloud Security User
- Anypoint Integration
- Authenticated Website
- Authenticated Website
- B2B Reordering Portal Buyer Profile
- Contract Manager
- Custom Marketing Profile
- Custom Sales Profile
- Custom Support Profile
- Customer Community Login User

Selected Profiles

- System Administrator

org/iam-5d1e805f2-dev-ed.develop.lightning.force.com/lightning/o/Payment_for_Tenant/_c/ist?filterName=-Recent

Lease Management Payment Tenants property lease

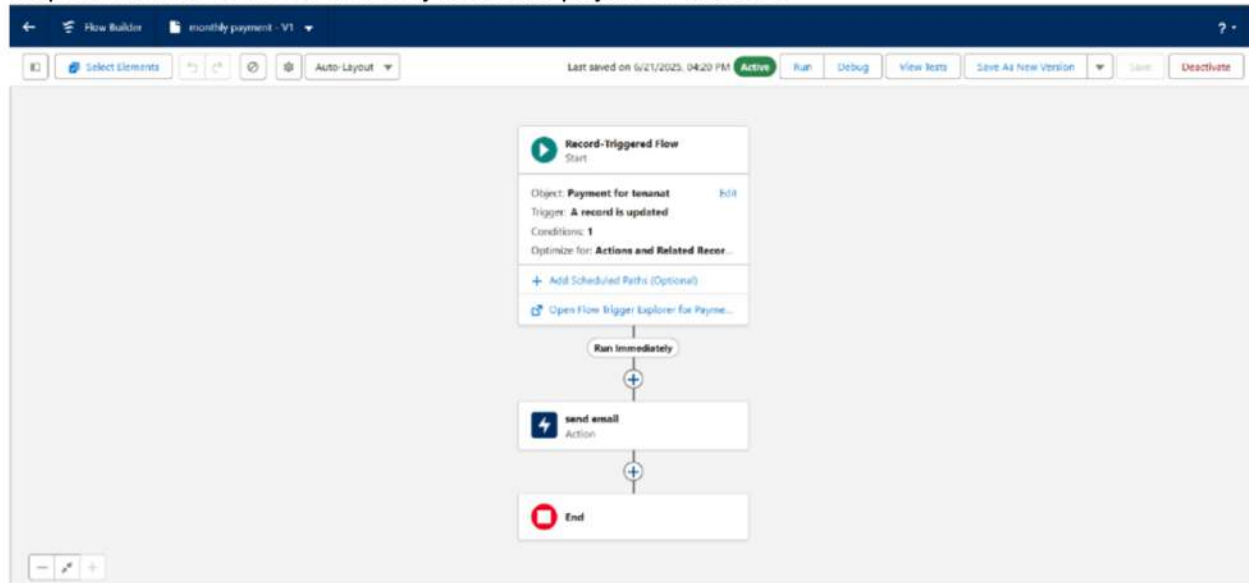
Payment

Recently Viewed

5 items • Updated a few seconds ago

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

Implemented Flows for monthly rent and payment success

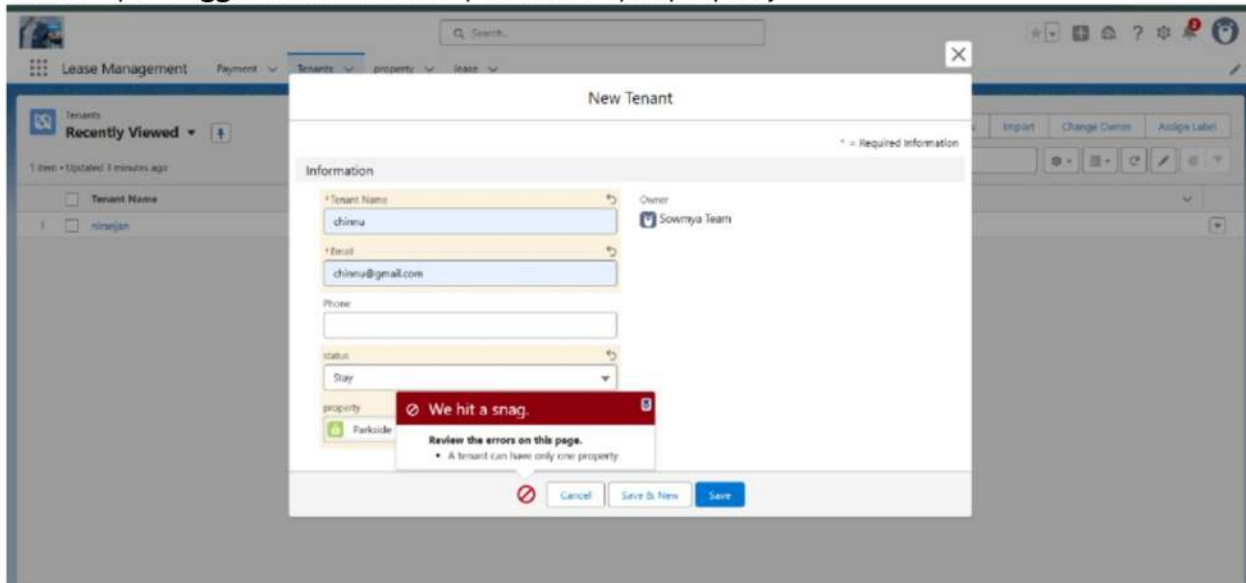


To create a validation rule to a Lease Object

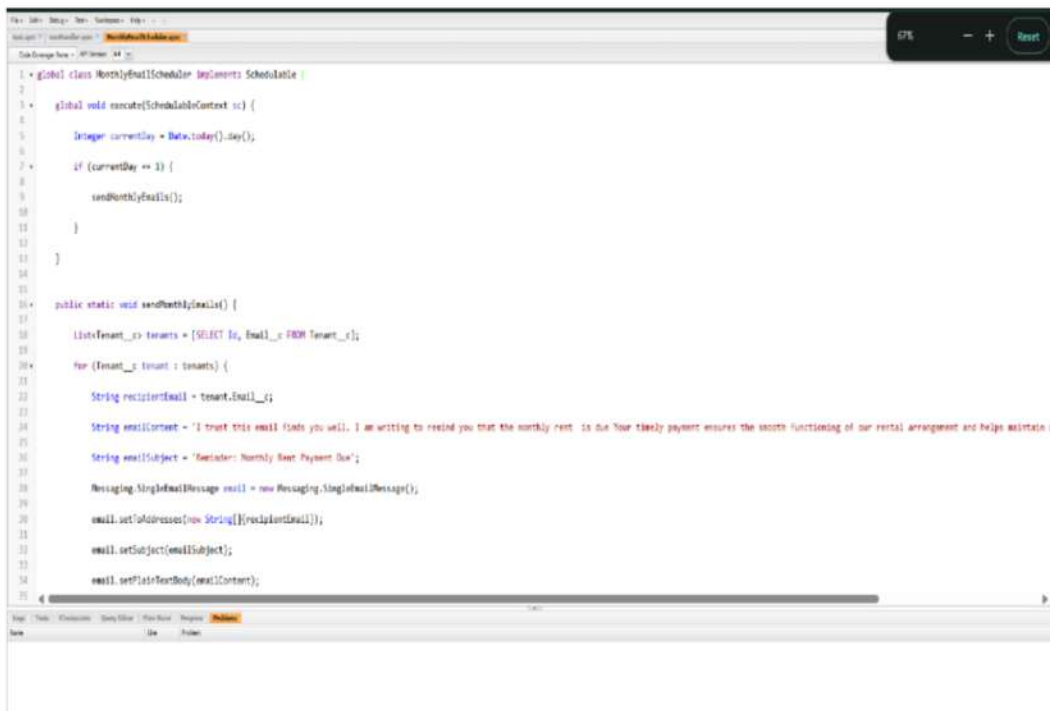
The screenshot shows the Salesforce Setup page for the "lease" object. The "Validation Rule Edit" interface is displayed, allowing the user to create a validation rule. The rule name is "lease_end_date". The rule is currently active. The error condition formula is being edited, and the formula is "End_date__c <= start_date__c". The error message is "Your End date must be greater than start date". The formula is highlighted in red, indicating it is the current selection. The "Error Message" field is also visible, showing the text "Your End date must be greater than start date".

The screenshot shows the Salesforce Setup page for the "lease" object. The "Validation Rule Detail" interface is displayed, showing the details of the validation rule. The rule name is "lease_end_date". The rule is currently active. The error condition formula is "End_date__c <= start_date__c". The error message is "Your End date must be greater than start date". The formula is highlighted in red, indicating it is the current selection. The "Error Message" field is also visible, showing the text "Your End date must be greater than start date".

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

SetupHomeObject Manager

Search Setup

email template

Classic Email TemplatesLightning Email Templates

Didn't find what you're looking for? Try using Global Search.

Classic Email Templates

Test Email Template

Leave approved

Preview your email template below.

Email Template Detail

Email Templates from Salesforce

Email Template Name

Template Unique Name

Encoding

Author

Description

Created By

Unified Public Classic Email Templates

Leave approved

Leave_approved

Unicode (UTF-8)

System:Team (Chained)

6/20/2025, 1:08 AM

Available For Use

Last Used Date

Times Used

Modified By

System:Team

6/20/2025, 1:08 AM

Edit

Delete

Close

Email Template

Send Text 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.

Your contract is approved. You can start now.

SetupHomeObject Manager

Search Setup

email template

Classic Email TemplatesLightning Email Templates

Didn't find what you're looking for? Try using Global Search.

Classic Email Templates

Test Email Template

tenant leaving

Preview your email template below.

Email Template Detail

Email Templates from Salesforce

Email Template Name

Template Unique Name

Encoding

Author

Description

Created By

Unified Public Classic Email Templates

tenant leaving

tenant_leaving

Unicode (UTF-8)

System:Team (Chained)

6/20/2025, 1:06 AM

Available For Use

Last Used Date

Times Used

Modified By

System:Team

6/20/2025, 1:06 AM

Edit

Delete

Close

Email Template

Send Text and Verify Merge Fields

Subject

request for approve the leave

Plain Text Preview

Dear {{Tenant__c.CreatedBy}},

Please approve my leave

SetupHomeObject Manager

Search Setup

email template

Classic Email TemplatesLightning Email Templates

Didn't find what you're looking for? Try using Global Search.

Classic Email Templates

Test Email Template

Leave rejected

Preview your email template below.

Email Template Detail

Email Templates from Salesforce

Email Template Name

Template Unique Name

Encoding

Author

Description

Created By

Unified Public Classic Email Templates

Leave rejected

Leave_rejected

Unicode (UTF-8)

System:Team (Chained)

6/20/2025, 1:11 AM

Available For Use

Last Used Date

Times Used

Modified By

System:Team

6/20/2025, 1:11 AM

Edit

Delete

Close

Email Template

Send Text 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

Setup Home Object Manager

Search Setup

email template

Classic Email Templates

Lightning Email Templates

Didn't find what you're looking for? Try using Global Search.

Classic Email Templates

Text Email Template: **Tenant Email**

Preview your email template below:

Email Template Detail [Edit] [Delete] [Clone]

Email Template Name	Tenant Email	Available For Use	✓
Template Unique Name	Tenant_Email	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	Scottna, Sean (Sample)		
Description			
Created By	Scottna, Sean, 6/30/2025, 1:12 AM	Modified By	Scottna, Sean, 6/30/2025, 1:12 AM

[Edit] [Delete] [Clone]

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.

This reminder is provided to ensure you remain on track with your monthly rent payment. Please ensure you have received this email and that you have sufficient funds to cover the payment.

Setup Home Object Manager

Search Setup

email template

Classic Email Templates

Lightning Email Templates

Didn't find what you're looking for? Try using Global Search.

Classic Email Templates

Text Email Template: **tenant payment**

Preview your email template below:

Email Template Detail [Edit] [Delete] [Clone]

Email Template Name	tenant payment	Available For Use	✓
Template Unique Name	tenant_payment	Last Used Date	
Encoding	Unicode (UTF-8)	Times Used	
Author	Scottna, Sean (Sample)		
Description			
Created By	Scottna, Sean, 6/30/2025, 1:13 AM	Modified By	Scottna, Sean, 6/30/2025, 1:13 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},

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

Approval Process creation

For Tenant Leaving:

org/iam-5df1e052-dev-ed.develop.lightning.force.com/lightning/setup/ApprovalProcesses/page?address=92704ug00000044vg

Setup Home Object Manager

Search Setup

approval

Mass Transfer Approval Requests

Feature Settings

Approval Settings

Process Automation

Approval Processes

Didn't find what you're looking for? Try using Global Search.

Approval Processes

Approval Processes: **Tenant: TenantApproval**

Back to Approval Process List

Process Definition Detail [Edit] [Clone] [Deactivate]

Process Name	TenantApproval	Active	✓
Unique Name	TenantApproval	Next Automated Approver Determined By	
Description			
Entry Criteria	THINGS + STATUS + RENTAL STORY	Allow Submitters to Recall Approval Requests	
Record Eligibility	Administrator ONLY		
Approval Assignment Email Template			
Initial Submitter	Tenant Owner	Modified By	Scottna, Sean, 6/30/2025, 11:57 PM
Created By	Scottna, Sean, 6/30/2025, 3:41 AM		

[Edit] [Clone] [Deactivate]

Initial Submission Actions [Add Existing] [Add New]

Action	Type	Description
Record Lock	Record Lock	Lock the record from being edited.

Approval Steps

Action	Step Number	Name	Description	Criteria	Assigned Approver	Reset Behavior
SHOW ACTIONS	1	Step 1			ADMINISTRATOR, SEAN	Final Rejection

For Check for Vacant:

The screenshot shows the Salesforce Setup interface for Approval Processes. The left sidebar contains navigation links: Setup, Home, Object Manager, and a search bar. The main content area is titled 'Approval Processes' and shows details for the process 'Tenant: check for vacant'. The process is active and has a status of 'Active'. The process definition details include: Process Name (check for vacant), Unique Name (CHECK_FOR_VACANT), Description (Check for vacant), Entry Criteria (TRIGGER: ISINSERT EQUALS LEAVING), Approval Assignment Email Template (LATEST_APPROVAL_EMAIL_TEMPLATE), Initial Submitters (Tenant Owner), and Created By (Salesforce Team). The process is created on 6/26/2025 at 3:18 AM and modified on 6/26/2025 at 11:02 PM. The initial submission actions include a Record Lock and an Email Alert. The approval steps table shows a single step named 'step1' with a description of 'Final Rejection'.

Process Name	Unique Name	Description	Entry Criteria	Approval Assignment Email Template	Initial Submitters	Created By	Modified By
check for vacant	CHECK_FOR_VACANT	Check for vacant	TRIGGER: ISINSERT EQUALS LEAVING	LATEST_APPROVAL_EMAIL_TEMPLATE	Tenant Owner	Salesforce Team	Salesforce Team

Action	Type	Description
Record Lock	Record Lock	Lock the record from being edited
Email Alert	Email Alert	DEBUT APPROVAL IN JURY

Action	Step Number	Name	Description	Criteria	Assigned Approver	Reject Behavior
Final Rejection	1	step1	Final Rejection		User: Salesforce Team	Final Rejection

Apex Trigger

Create an Apex Trigger

The screenshot shows the Salesforce IDE interface with the Apex Trigger code for 'Tenant__c' (before insert). The code is as follows:

```

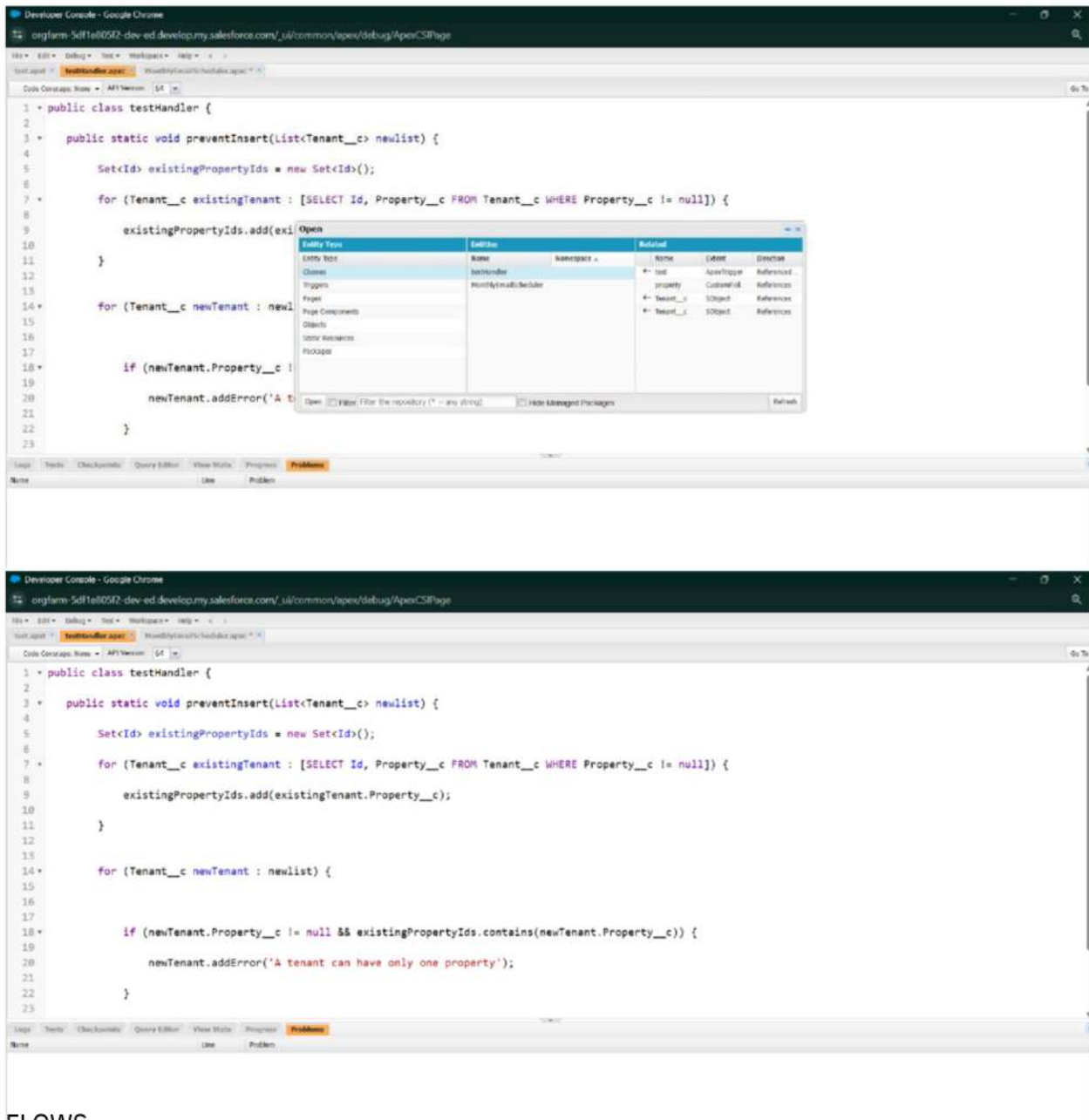
1 trigger test on Tenant__c (before insert)
2 {
3     {
4         if(trigger.isInsert && trigger.isBefore){
5             testHandler.preventInsert(trigger.new);
6         }
7     }
8 }
9
10
11 }

```

The IDE also shows a 'Open' dialog box with a list of entities and a table of results. The table has columns for Entity Type, Name, Extension, and Metadata. The results show a single entry for 'Tenant__c' with a 'test' extension and 'Final Rejection' metadata.

Entity Type	Name	Extension	Metadata
Class	Tenant__c	test	Final Rejection

Create an Apex Handler class



FLows

The image displays two screenshots of the Salesforce Flow Builder interface, showing the configuration of a Record-Triggered Flow.

Top Screenshot: Configure Start Panel

- Record-Triggered Flow Start**
 - Object: **Payment for tenant**
 - Trigger: **A record is updated**
 - Conditions: 1
 - Optimize for: **Actions and Related Records**
- Run Immediately** (Start Action)
- send email** (Action)
- End** (End Action)

Configure Start Panel (Right Side):

- Field:** check for payment
- Operator:** Equals
- Value:** Paid
- When to Run the Flow for Updated Records:**
 - ☒ Every time a record is updated and meets the condition requirements
 - ☐ Only when a record is updated to meet the condition requirements
- Optimize Flow:**
 - Fast Field Updates:** Update fields on the record that triggers the flow to run. This high-performance flow runs **before the record is saved** to the database.
 - Actions and Related Records:** Update any record and perform actions, like send an email. This more flexible flow runs **after the record is saved** to the database.
- Is this flow making an external callout or connecting to an external system?**
 - An asynchronous path is required for flows that involve external systems.
 - Add Asynchronous Path:** ☐

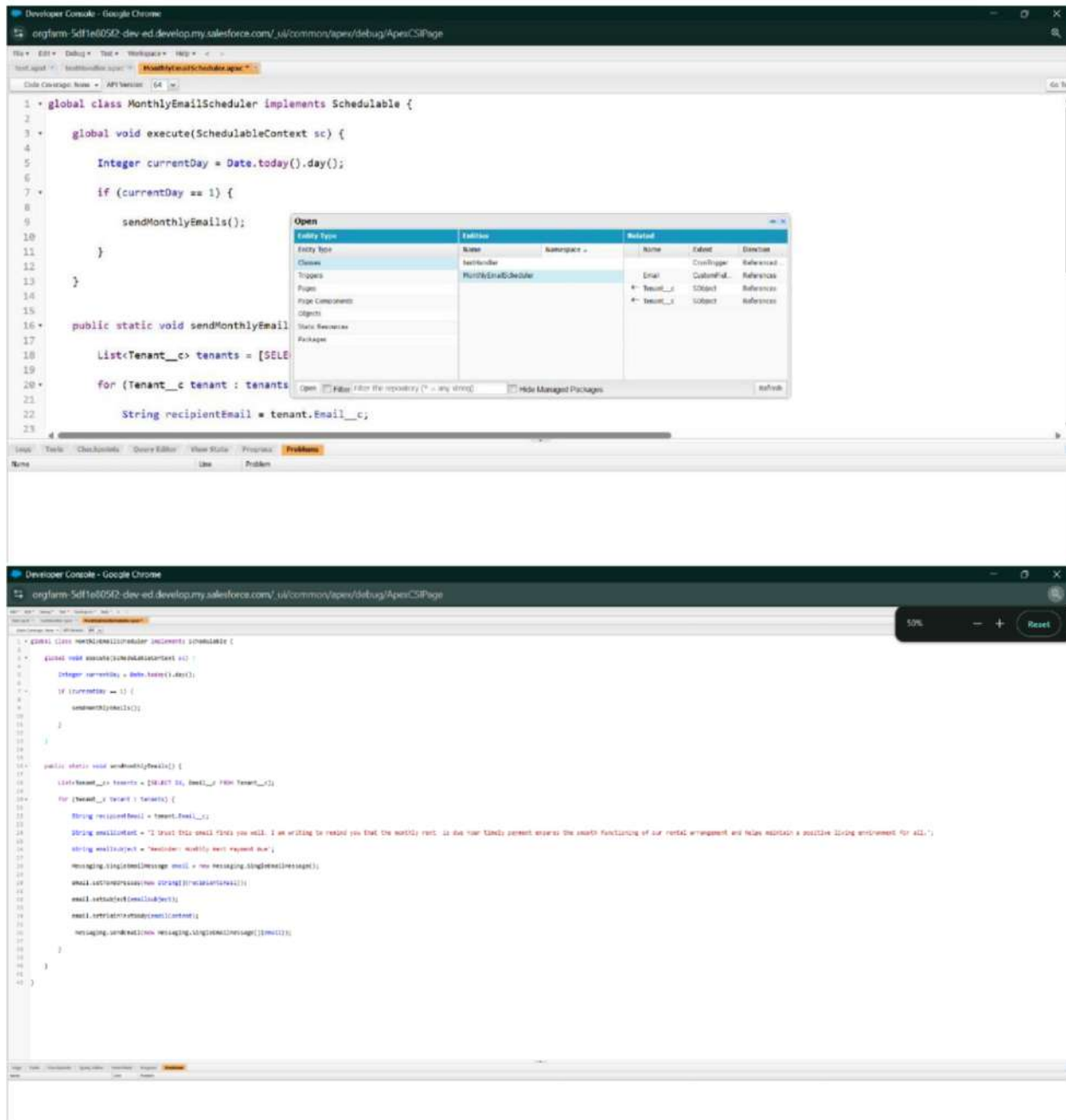
Bottom Screenshot: Configure Trigger Panel

- Record-Triggered Flow Start**
 - Object: **Payment for tenant**
 - Trigger: **A record is updated**
 - Conditions: 1
 - Optimize for: **Actions and Related Records**
- Run Immediately** (Start Action)
- send email** (Action)
- End** (End Action)

Configure Trigger Panel (Right Side):

- Select Object:** Payment for tenant
- Configure Trigger:**
 - Trigger the Flow When:**
 - ☐ A record is created
 - ☒ A record is updated
 - ☐ A record is created or updated
 - ☐ A record is deleted
- Set Entry Conditions:**
 - Specify entry conditions to reduce the number of records that trigger the flow and the number of times the flow is executed. Minimizing unnecessary flow executions helps to conserve your org's resources.
 - If you create a flow that's triggered when a record is updated, we recommend first defining entry conditions. Then select the **Only when a record is updated to meet the condition requirements** option for When to Run the Flow for Updated Records.
 - Condition Requirements:** All Conditions Are Met (AND)

- Schedule class:
Create an Apex Class



Schedule Apex class

•

Setup Home Object Manager

Search Setup

apex

Email

- Apex Exception Email

Custom Code

- Apex Classes
- Apex Settings
- Apex Test Execution
- Apex Test History
- Apex Triggers

Environments

- Jobs
- Apex Flex Queue
- Apex Jobs

Didn't find what you're looking for? Try using Global Search.

Apex Classes

Apex Class: MonthlyEmailScheduler

Apex Class Detail

Name	Namespace Prefix	Created By	Status
MonthlyEmailScheduler		Sowmya Team	Active

Code Coverage: 0% (0/15)
Last Modified By: Sowmya Team, 6/23/2025, 2:47 AM

Class Body

```
1 global class MonthlyEmailScheduler implements Schedulable {
2
3     global void execute(SchedulableContext sc) {
4         Integer currentDay = Date.today().day();
5         if (currentDay == 1) {
6             sendMonthlyEmails();
7         }
8     }
9
10    public static void sendMonthlyEmails() {
11        List<Tenant__c> tenants = (SELECT t1.Email__c FROM Tenant__c t1
12                                WHERE t1.Email__c != null);
13        for (Tenant__c tenant : tenants) {
14
15        }
16    }
17
18    }
19
20 }
```

Lease Management Payment Tenants property lease

Search

Tenant Aswini

Related Details

* Tenant Name: Aswini

Owner: Sowmya Team

* Email: aswinimaraad15@gmail.com

Phone: (905) 223-5567

Status: Leaving

property: Inman

Created By: Sowmya Team, 6/26/2025, 6:05 AM

Last Modified By: Sowmya Team, 6/26/2025, 11:06 PM

Cancel Save

Activity

New Contact Edit New Opportunity

New Case New Lead Delete Clone Change Owner Printable View Submit for Approval Edit Labels

Filters: All time • All activities

Refresh

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 Tenants property lease

Search

Tenant Aswini

Tenant was submitted for approval.

Related Details

* Tenant Name: Aswini

Owner: Sowmya Team

* Email: aswinimaraad15@gmail.com

Phone: (905) 223-5567

Status: Leaving

property: Inman

Created By: Sowmya Team, 6/26/2025, 6:05 AM

Last Modified By: Sowmya Team, 6/26/2025, 11:06 PM

Cancel Save

Activity

New Contact Edit New Opportunity

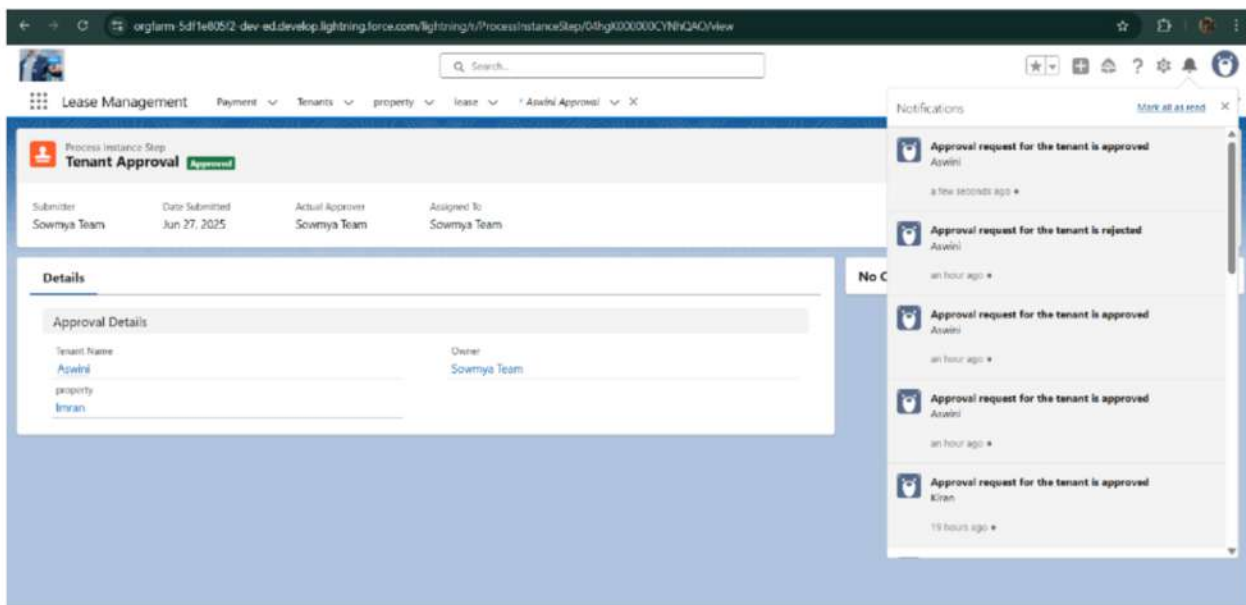
Filters: All time • All activities • All types

Refresh Expand All View All

Upcoming & Overdue

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

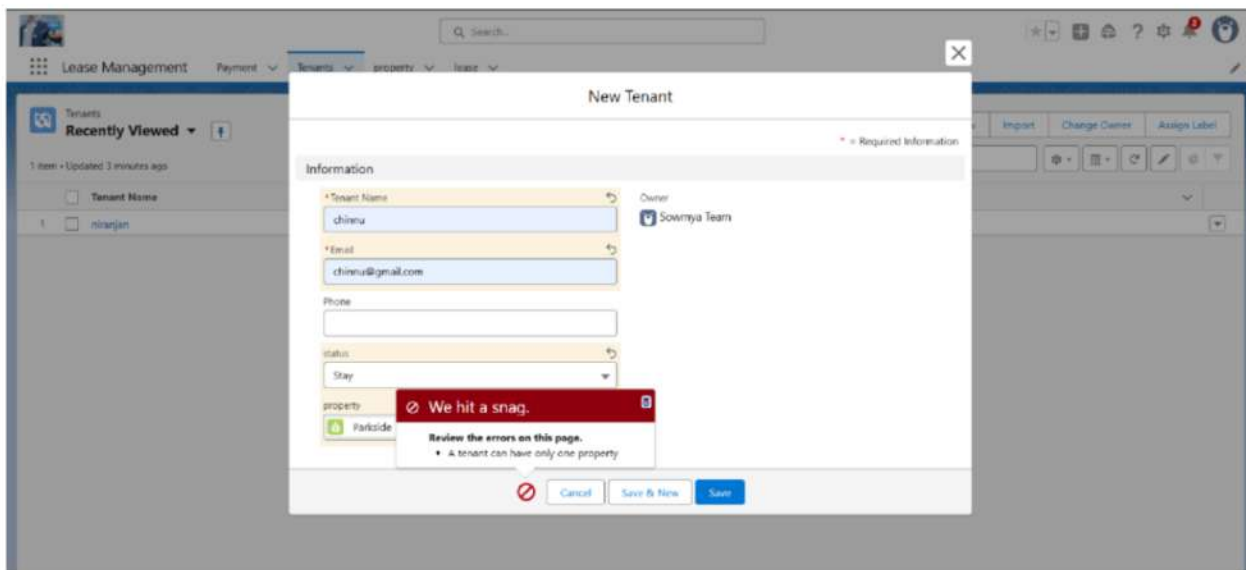
No past activity. Past meetings and tasks marked as done show up here.



FUNCTIONAL AND PERFORMANCE TESTING

Performance Testing

Trigger validation by entering duplicate tenant-property records



Validation Rule checking

Lease Management

Payment Tenants property lease

lease supriya

New Contact Edit New Opportunity

Related Details

* Required Information

lease name: supriya

Owner: Soumya Team

start date: 6/20/2025

Your End date must be greater than start date

end date: 6/19/2025

property: Search property...

Created By: Soumya Team, 6/23/2025, 8:13 AM

By: Team, 6/26/2025, 7:38 AM

We hit a snag.

Review the following fields

- start date

Cancel Save

Activity

Filters: All time • All activities • All types

Refresh Expand All View All

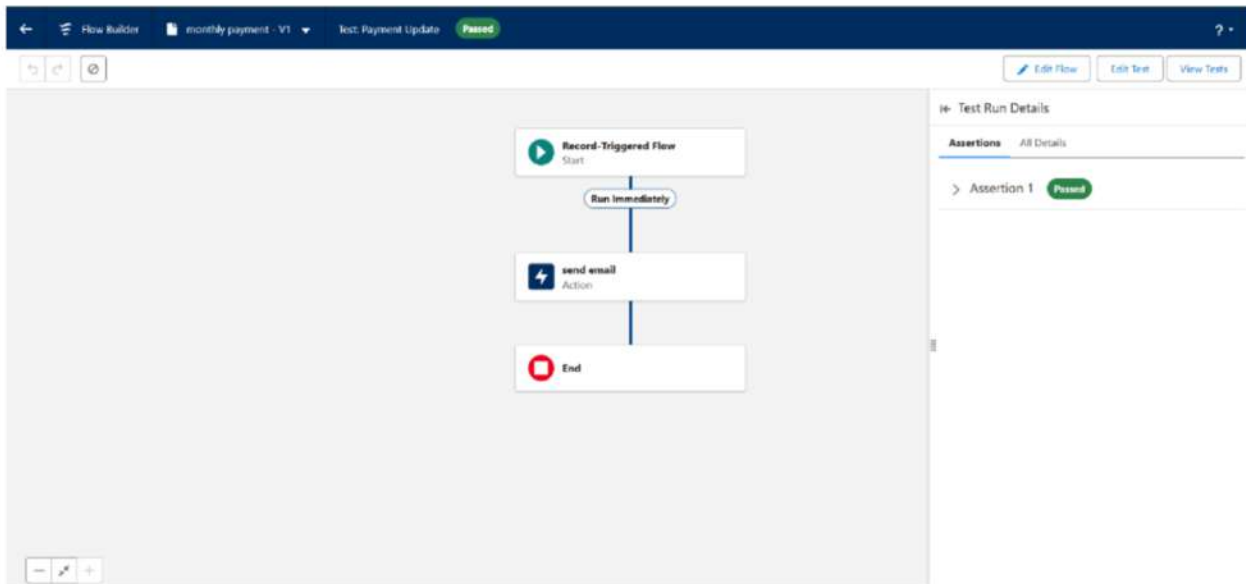
Upcoming & Overdue

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.

Test flows on payment update



Approval process validated through email alerts and status updates

Lease Management

Payment

Tenants

property

lease

niranjan Approval

X

Search...

Notifications

Mark all as read

Tenant

niranjan

Related

Details

* Tenant Name

niranjan

Owner

Sowmya Team

* Email

niranjan1106@gmail.com

Phone

status

Stay

property

Parkside Lofts

Created By

Sowmya Team, 6/23/2025, 2:33 AM

Last Modified By

Sowmya Team, 6/23/2025, 3:58 AM

Cancel

Save

Approval request for the tenant is approved

niranjan

a few seconds ago

Approval request for the tenant is rejected

niranjan

Jun 23, 2025, 4:29 PM

Approval request for the tenant is approved

niranjan

Jun 23, 2025, 4:25 PM

Approval request for the tenant is approved

niranjan

Jun 23, 2025, 4:14 PM

New Guidance Center learning resource available

Define Your Sales Process

Learn how to guide reps through the sales process.

Jun 20, 2025, 1:28 PM

Lease Management

Payment

Tenants

property

lease

Search...

New Contact

Edit

New Opportunity

Tenant

niranjan

Approval History (6+)

Step Name	Date	Status	Assigned To
Step 1	6/23/2025, 5:39 AM	Approved	Sowmya Team
Approval Request Submitted	6/23/2025, 5:39 AM	Submitted	Sowmya Team
Step 1	6/23/2025, 3:59 AM	Rejected	Sowmya Team
Approval Request Submitted	6/23/2025, 3:58 AM	Submitted	Sowmya Team
Step 1	6/23/2025, 3:55 AM	Approved	Sowmya Team
Approval Request Submitted	6/23/2025, 3:55 AM	Submitted	Sowmya Team

View All

Payment (2)

New

Payment Name

Jack

Rahul

View All

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

Tenant: **niranjan**

Related Details

* Tenant Name: niranjan

* Email: niranjan1306@gmail.com

Phone:

Status: Stay

Property: Parkside Lofts

Created By: Sowmya Team, 6/23/2025, 2:33 AM

Last Modified By: Sowmya Team, 6/23/2025, 3:58 AM

Notifications

- Approval request for the tenant is approved niranjan
- Approval request for the tenant is rejected niranjan
- Approval request for the tenant is approved niranjan
- Approval request for the tenant is approved niranjan
- New Guidance Center learning resource available

Setup

Apex Classes

Apex Class Detail

Name: MonthlyEmailScheduler

Status: Active

Code Coverage: 0% (0/15)

Last Modified By: Sowmya Team, 6/23/2025, 2:47 AM

```
1 global class MonthlyEmailScheduler implements Schedulable {
2     global void execute(SchedulableContext sc) {
3         Integer currentDay = Date.today().day();
4         if (currentDay == 1) {
5             sendMonthlyEmails();
6         }
7     }
8     public static void sendMonthlyEmails() {
9         List<Tenant__c> tenants = [SELECT M, Email__c FROM Tenant__c];
10        for (Tenant__c tenant : tenants) {
11        }
12    }
13 }
14
15
16
17
18
19
20
```

Lease Management

Tenant: **Aswini**

Related Details

* Tenant Name: Aswini

* Email: aswinimuradi15@gmail.com

Phone: (905) 222-5567

Status: Leaving

Property: Itean

Created By: Sowmya Team, 6/26/2025, 6:05 AM

Last Modified By: Sowmya Team, 6/26/2025, 11:06 PM

Activity

- New Case
- New Lead
- Delete
- Clone
- Change Owner
- Printable View
- Submit for Approval
- Edit Labels

Filters: All time • All active

Refresh

Upcoming & Overdue

No activities to show.

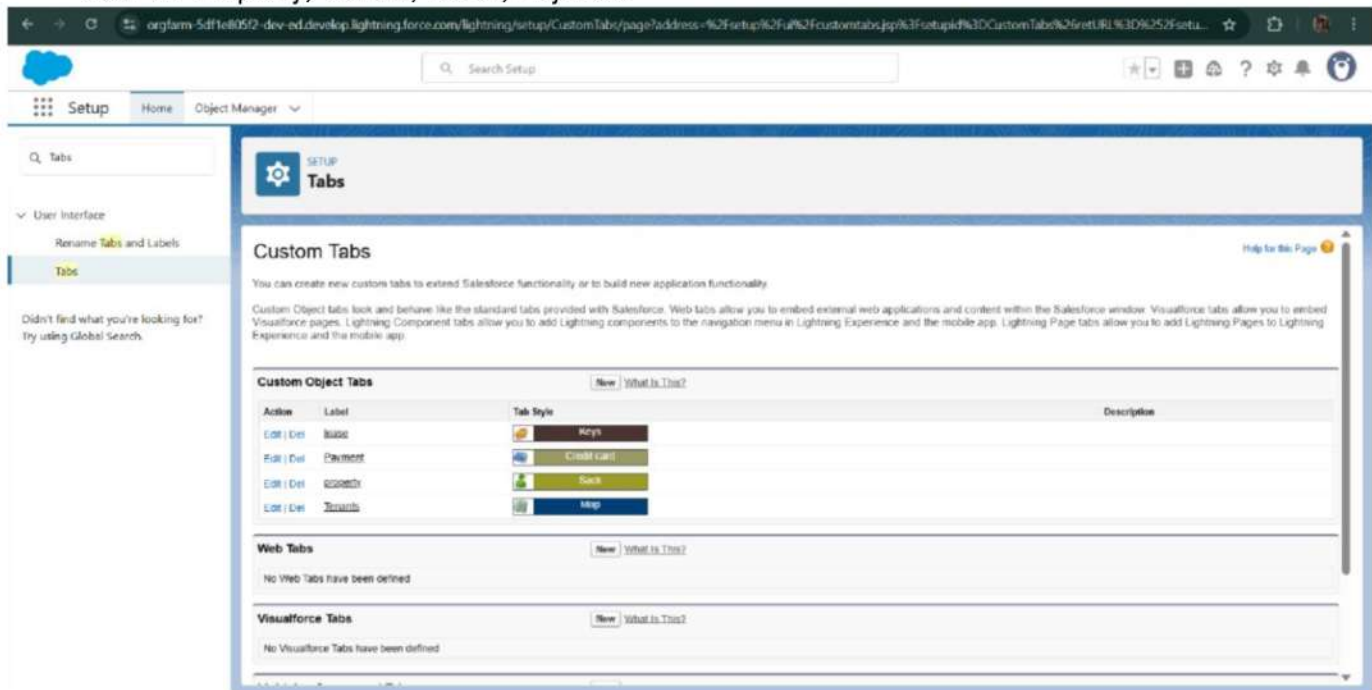
Get started by sending an email, scheduling a task, and more.

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

RESULTS

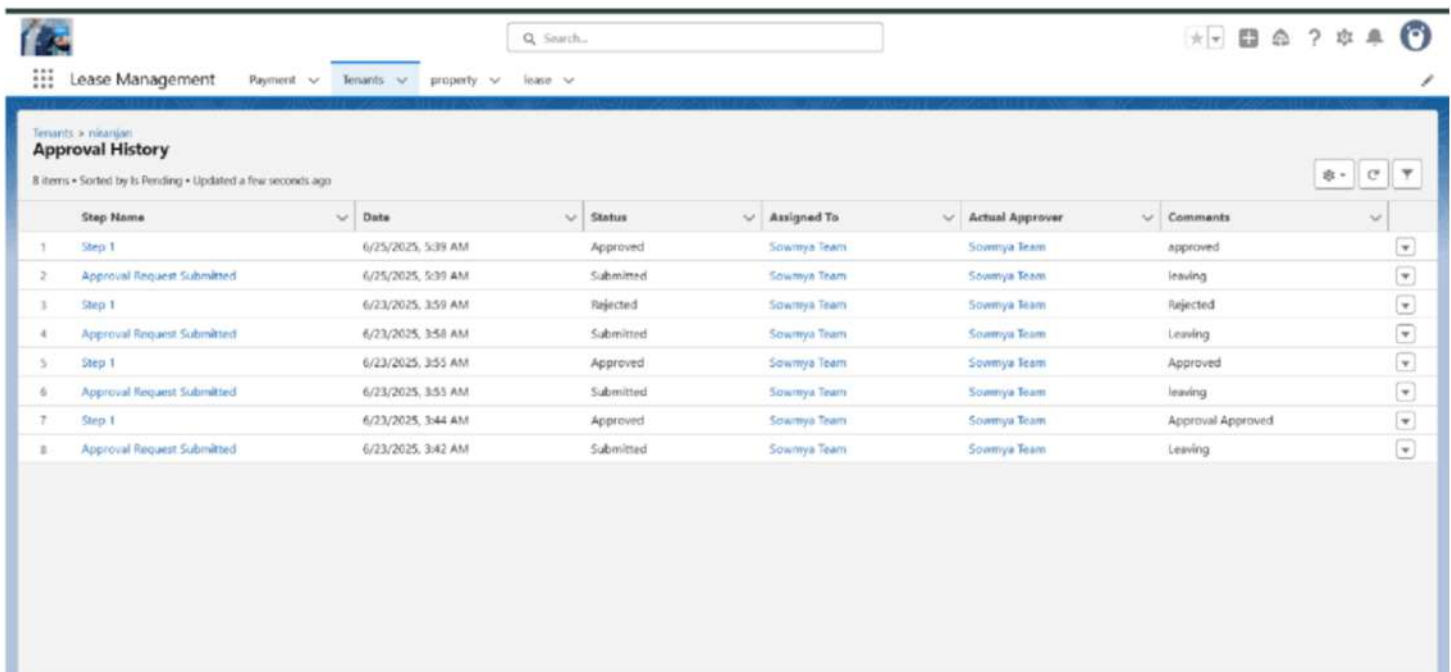
Output Screenshots

Tabs for Property, Tenant, Lease, Payment



The screenshot shows the Salesforce Setup interface for Custom Tabs. The left sidebar includes a search bar for 'Tabs' and a navigation menu with 'User Interface' expanded, showing 'Rename Tabs and Labels' and 'Tabs'. The main content area is titled 'Custom Tabs' and includes a 'Help for this Page' link. Below the title, there is a descriptive paragraph and three sections: 'Custom Object Tabs', 'Web Tabs', and 'Visualforce Tabs'. The 'Custom Object Tabs' section contains a table with four rows of tabs: 'Bills', 'Payment', 'Lease', and 'Tenants'. Each row shows the tab's label, style, and description. The 'Web Tabs' and 'Visualforce Tabs' sections both indicate that no tabs have been defined.

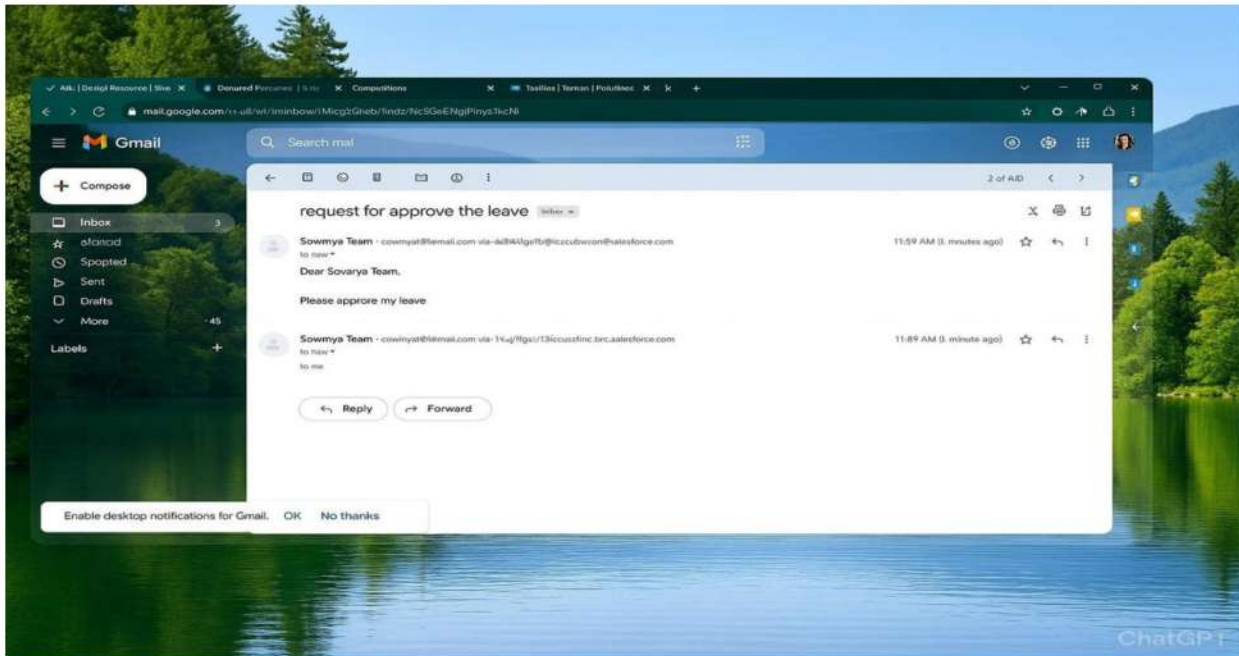
Action	Label	Tab Style	Description
Edit Del	Bills	Bills	
Edit Del	Payment	Credit Card	
Edit Del	Lease	Lease	
Edit Del	Tenants	Tenants	



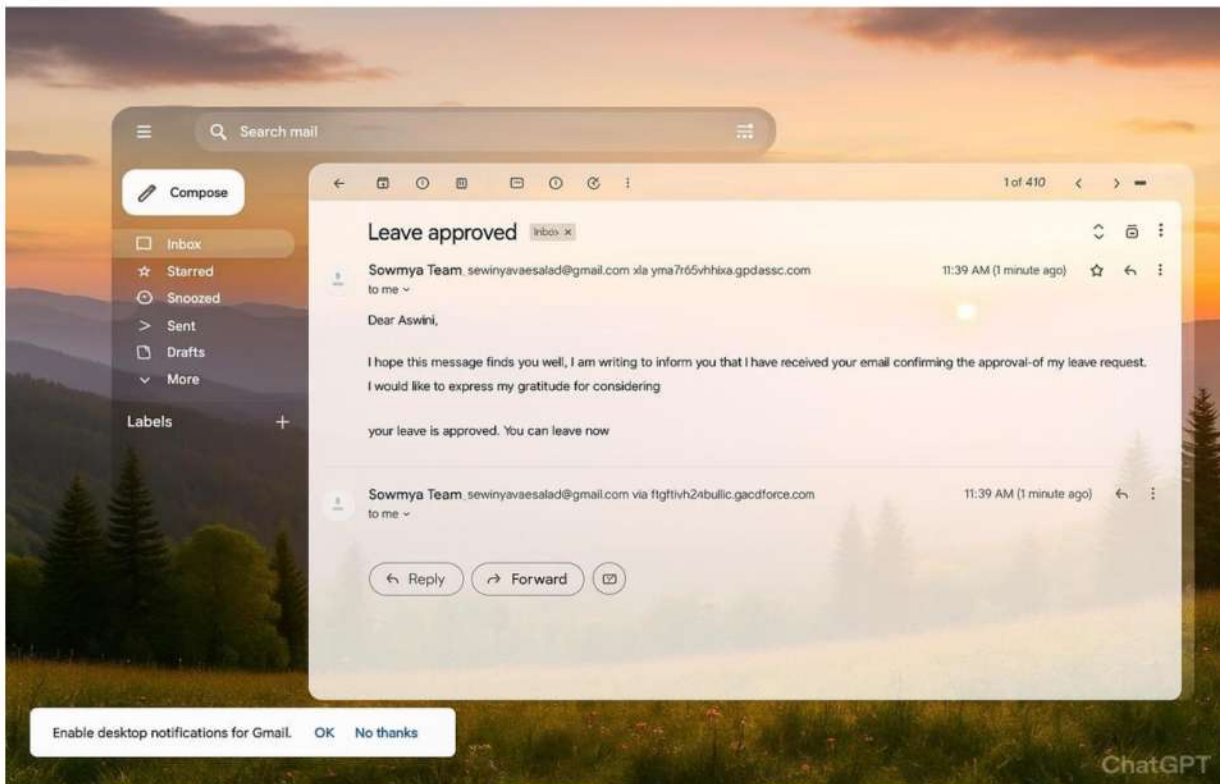
The screenshot shows the Salesforce Lease Management interface. The top navigation bar includes 'Lease Management', 'Payment', 'Tenants', 'property', and 'lease'. The main content area is titled 'Approval History' and includes a search bar and a table with 8 items. The table has columns for Step Name, Date, Status, Assigned To, Actual Approver, and Comments. The data shows a sequence of approval steps for a tenant named 'niranjan'.

Step Name	Date	Status	Assigned To	Actual Approver	Comments
1 Step 1	6/25/2025, 5:39 AM	Approved	Sowmya Team	Sowmya Team	approved
2 Approval Request Submitted	6/25/2025, 5:39 AM	Submitted	Sowmya Team	Sowmya Team	leaving
3 Step 1	6/23/2025, 3:59 AM	Rejected	Sowmya Team	Sowmya Team	Rejected
4 Approval Request Submitted	6/23/2025, 3:58 AM	Submitted	Sowmya Team	Sowmya Team	leaving
5 Step 1	6/23/2025, 3:55 AM	Approved	Sowmya Team	Sowmya Team	Approved
6 Approval Request Submitted	6/23/2025, 3:55 AM	Submitted	Sowmya Team	Sowmya Team	leaving
7 Step 1	6/23/2025, 3:44 AM	Approved	Sowmya Team	Sowmya Team	Approval Approved
8 Approval Request Submitted	6/23/2025, 3:42 AM	Submitted	Sowmya Team	Sowmya Team	leaving

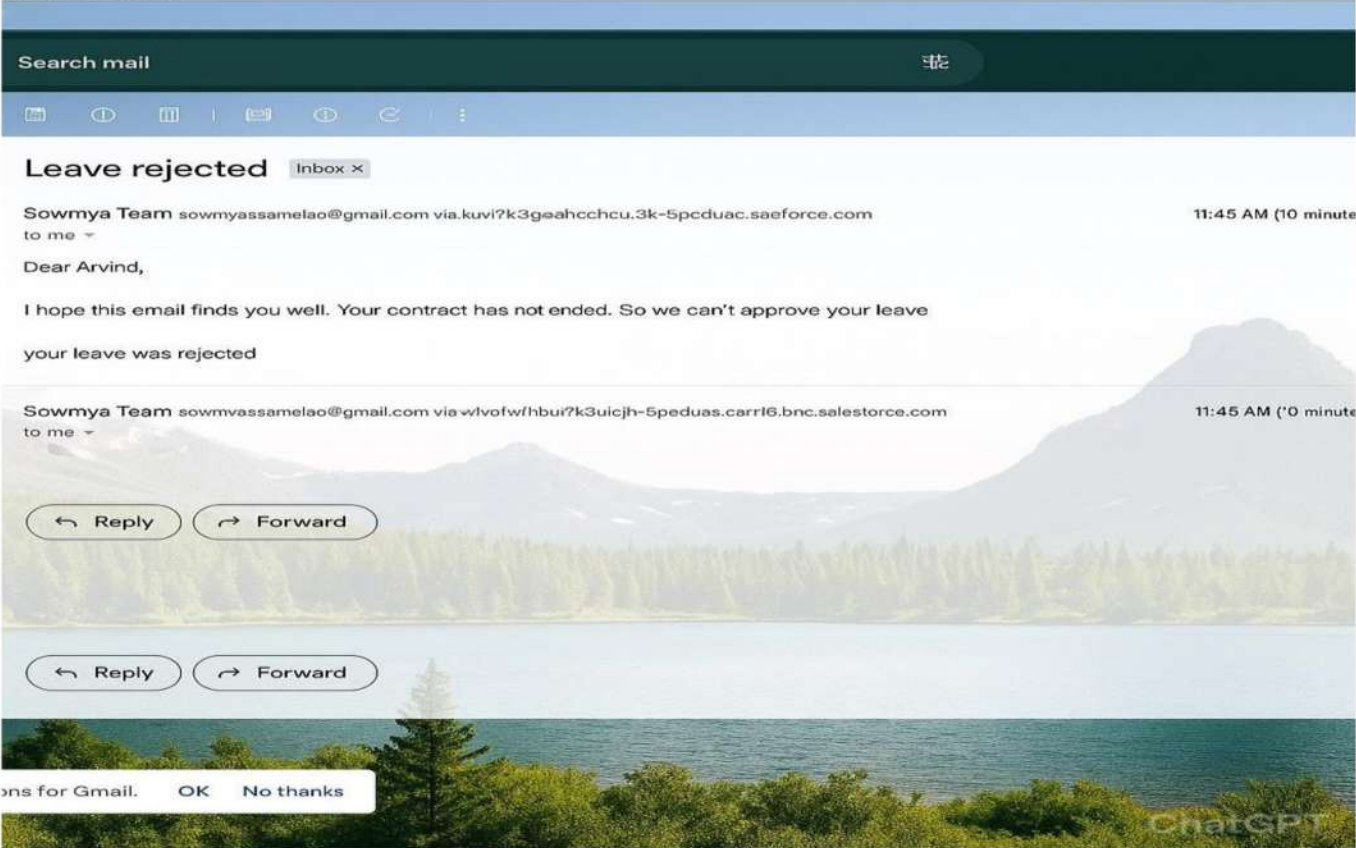
Request for approve the leave



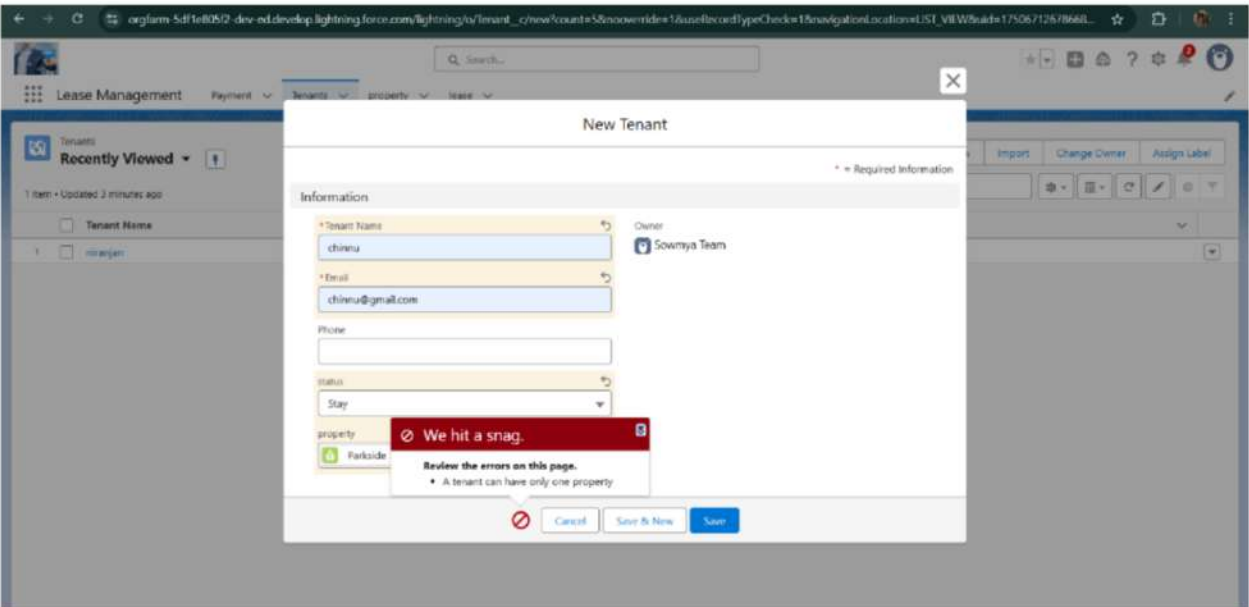
Leave approved



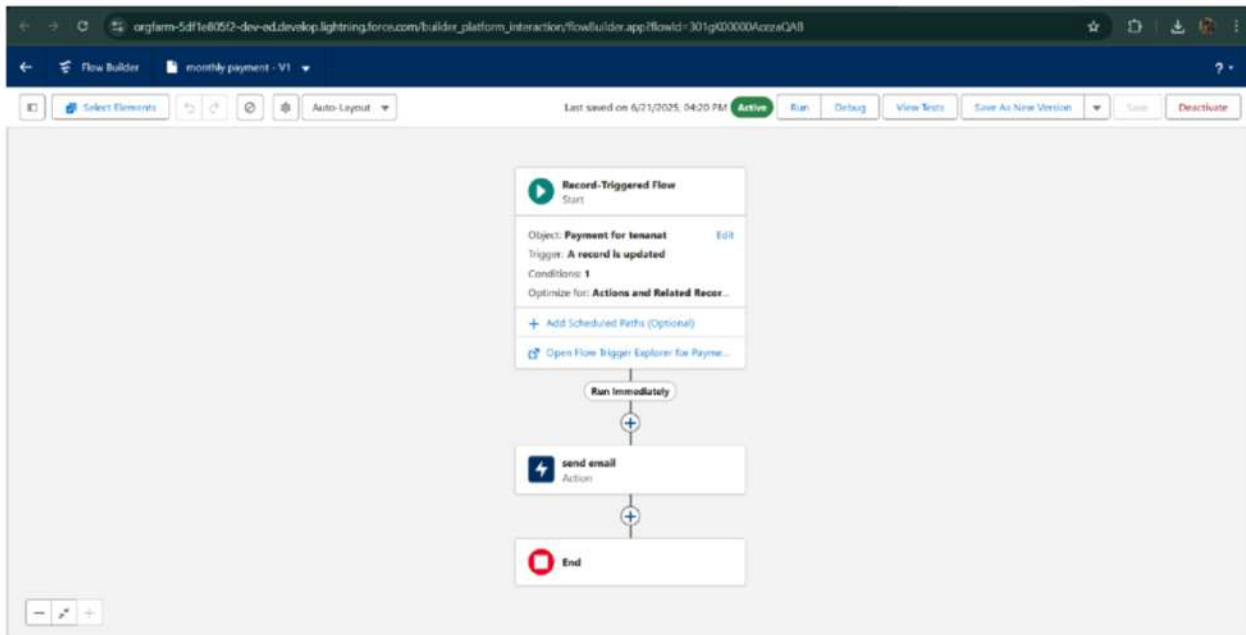
Leave rejected



- Flow runs



Leave approved



Trigger error messages

The screenshot shows the 'New Tenant' form in the Salesforce interface. The form has the following fields: 'Tenant Name' (filled with 'chirnu'), 'Email' (filled with 'chirnu@gmail.com'), 'Phone' (empty), 'Status' (dropdown menu with 'Stay' selected), and 'Property' (dropdown menu with 'Parkside' selected). A red error message is displayed at the bottom of the form: 'We hit a snag. Review the errors on this page. A tenant can have only one property.' The error message is accompanied by a red 'X' icon and a 'Cancel' button.

Approval process notifications



ADVANTAGES & DISADVANTAGES

CONCLUSION

The Lease Management System enhances leasing operations by leveraging a structured Salesforce application with automation, ensuring better efficiency, seamless communication, and accurate data management for both administrators and tenants.

APPENDIX

● Source Code: Provided in Apex Classes and Triggers

```
Test.apxt: trigger test on Tenant__c

(before insert) { if (trigger.isInsert &&
trigger.isBefore){
testHandler.preventInsert(trigger.new);
} } testHandler.apxc:

public class

testHandler { public

static void

preventInsert(List<

Tenant__c> newList)

Set<Id>

existingPropertyIds

= new Set<Id>()

for (Tenant__c existingTenant : [SELECT Id, Property__c FROM Tenant__c

WHERE Property__c != null]) {

existingPropertyIds.add(existingTenant.Property__c;

} for (Tenant__c newTenant :

newList) {

if (newTenant.Property__c != null &&
```

```

existingPropertyIds.contains(newTenant.Property__c)) { newTenant.addError('A
    tenant can have only one property');
}

```

MothlyEmailScheduler.apxc:

```

global class MonthlyEmailScheduler implements Schedulable { global
    void execute(SchedulableContext sc) { Integer currentDay =
Date.today().day(); if (currentDay == 1) {
sendMonthlyEmails();
    }
    } public static void
sendMonthlyEmails() { List<Tenant__c>
tenants = [SELECT Id, Email__c FROM
Tenant__c]; for (Tenant__c tenant :
tenants) {
    String recipientEmail = tenant.Email__c;
    String emailContent = 'I trust this email finds you well. I am writing to remind you
that the monthly rent is due Your timely payment ensures the smooth functioning of our
rental arrangement and helps maintain a positive living environment for all.';
    String emailSubject = 'Reminder: Monthly Rent Payment Due';
    Messaging.SingleEmailMessage email = new
    Messaging.SingleEmailMessage(); email.setToAddresses(new
    String[] {recipientEmail}); email.setSubject(emailSubject);
    email.setPlainTextBody(emailContent);
    Messaging.sendEmail(new Messaging.SingleEmailMessage[] {email});
    }
    }
}

```