

LEASE MANAGEMENT

College Name : SRI VASAVI COLLEGE (SFW), ERODE.

College Code : bru17

TEAM ID : NM2025TMID23297

TEAM MEMBERS :

- Team Leader : N. KUMAR

Email Id : kumarkumar51475@gmail.com

- Team Member 1 : T. HEMAPARISHNA

Email Id : hemaparishna@gmail.com

- Team Member 2 : M. KEERTHANA

Email Id: smurugasan546@gmail.com

- Team Member 3 : M. MATHANKUMAR

Email Id : m.mathankumar6666@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://www.salesforce.com>

2:17 PM

📶 4G+ 69%


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salesforce.com/form/developo

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15


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First name

KEERTHANA

Last name

M

Job title

DEVELOPER

Work email

smurugesan546@gmail.com

Company

Sri vasavi college

Country/Region

India

Your org may be provisioned on or migrated to Hyperforce, Salesforce's public cloud infrastructure.

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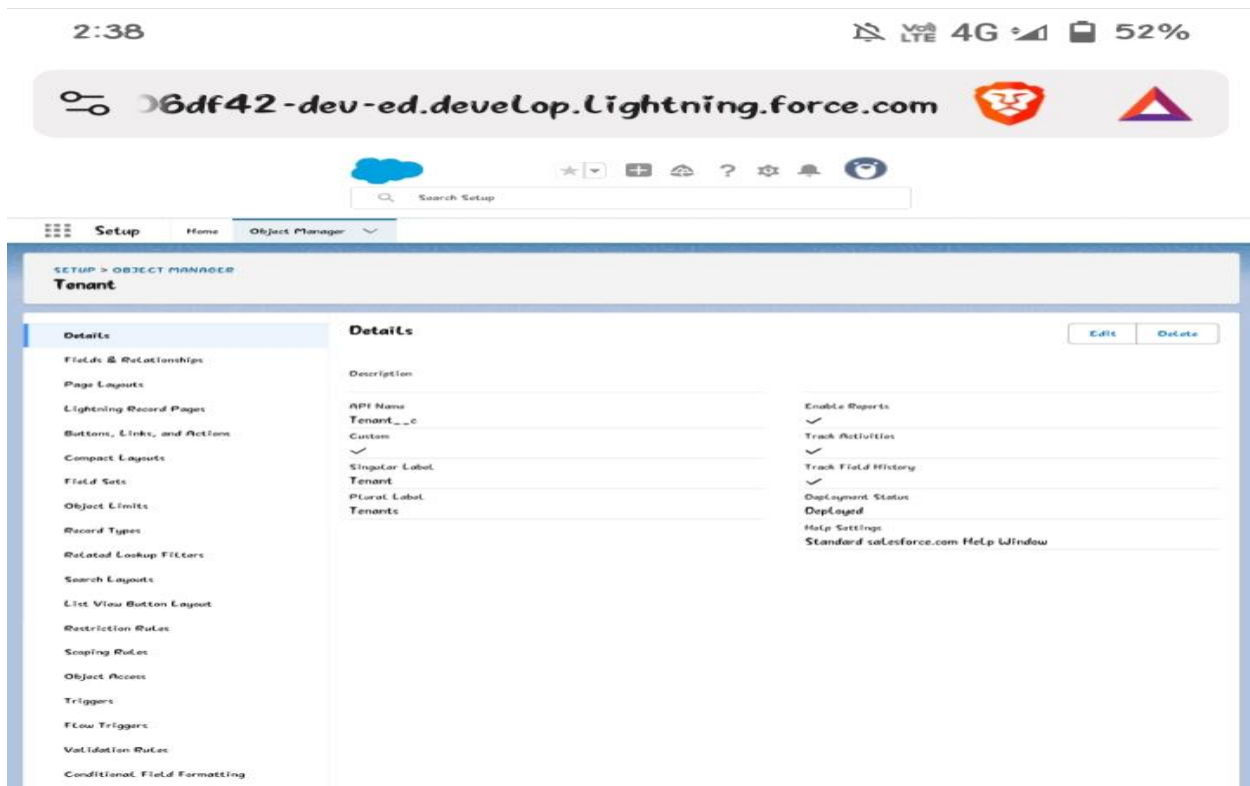
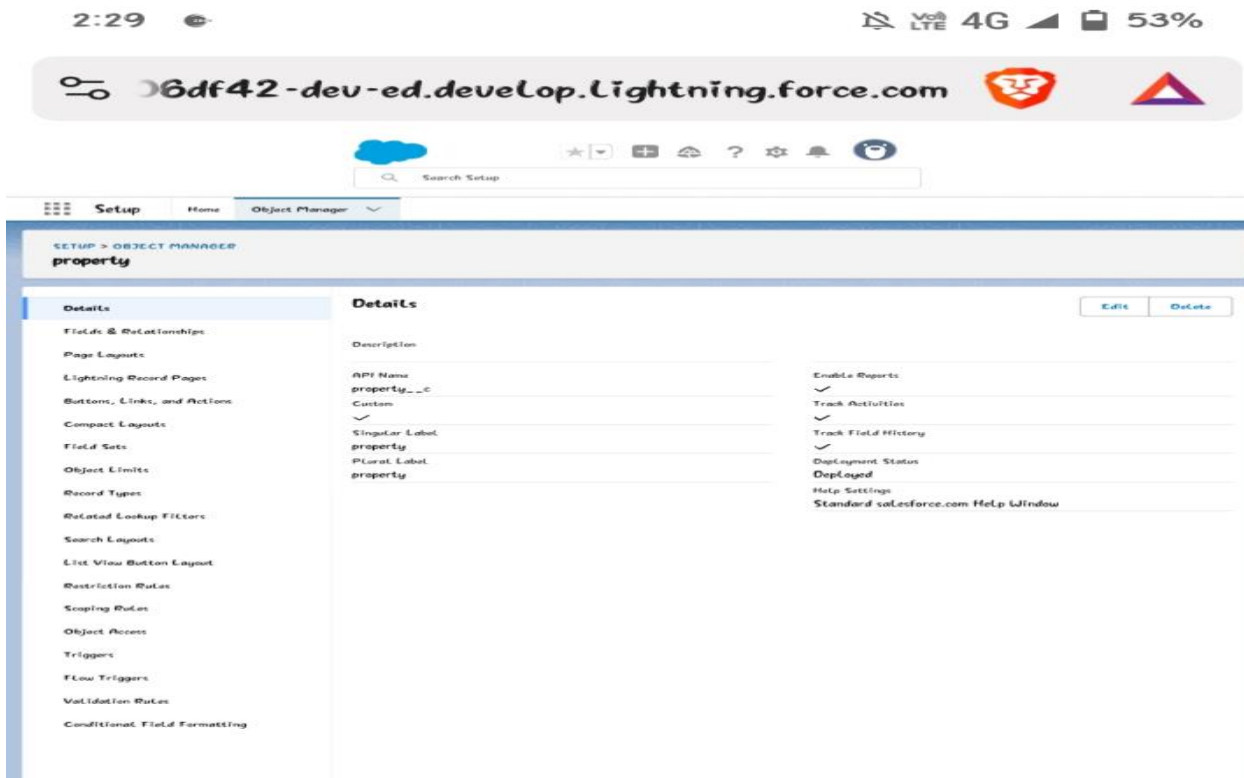
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- Created objects: Property, Tenant, Lease, Payment



2:44

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Search Setup

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
Scoping Rules
Object Access
Triggers
Flow Triggers
Validation Rules
Conditional Field Formatting

Details

Edit Delete

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

2:47

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Search Setup

Setup

Home

Object Manager

SETUP > OBJECT MANAGER

Payment for tenanat

Details

Fields & Relationships
Page Layouts
Lightning Record Pages
Buttons, Links, and Actions
Compact Layouts
Field Sets
Object Limits
Record Types
Related Lookup Filters
Search Layouts
List View Button Layout
Restriction Rules
Scoping Rules
Object Access
Triggers
Flow Triggers
Validation Rules
Conditional Field Formatting

Details

Edit Delete

Description

API Name

Payment_for_tenanat__c

Custom

✓

Singular Label

Payment for tenanat

Plural Label

Payment

Enable Reports

✓

Track Activities

✓

Track Field History

✓

Deployment Status

Deployed

Help Settings

Standard salesforce.com Help Window

- Configured fields and relationships

2:55 4G 49%

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Search Setup

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 Scoping Rules Object Access Triggers Flow Triggers Validation Rules Conditional Field Formatting

Fields & Relationships 8 Items, Sorted by Flow name

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	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Name	Name__c	Text(25)		
Owner	OwnerId	Lookup(User, Group)	✓	
property Name	Name	Text(80)		✓
stgt	stgt__c	Text(18)		
Type	Type__c	PickList		

3:03 4G 48%

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Search Setup

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 Search Layouts List View Button Layout Restriction Rules Scoping Rules Object Access Triggers Flow Triggers Validation Rules Conditional Field Formatting

Fields & Relationships 7 Items, Sorted by Flow name

New Deleted Fields Field Dependencies Set History Tracking

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedBy	Lookup(User)		
Email	Email__c	Email		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User, Group)	✓	
Phone	Phone__c	Phone		
status	status__c	PickList		
Tenant Name	Name	Text(80)		✓

3:10

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Search Setup

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

Scoping Rules

Object Access

Triggers

Flow Triggers

Validation Rules

Conditional Field Formatting

Fields & Relationships

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

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

3:33

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Search Setup

Setup Home Object Manager

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

List View Button Layout

Restriction Rules

Scoping Rules

Object Access

Triggers

Flow Triggers

Validation Rules

Conditional Field Formatting

Fields & Relationships

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	CreatedBy	Lookup(User)		
Last Modified By	LastModifiedBy	Lookup(User)		
Owner	OwnerId	Lookup(User, Group)		✓
Payment date	Payment_date__c	Date		
Payment Name	Name	Text(80)		✓



Configuring the Tabs :

4:34

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Search...

Search

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Home Chatter Campaigns Leads Accounts Contacts Opportunities Forecasts Contracts Orders Cases Solutions Products Reports Dashboards

Quick Find / Search...

Expand All Collapse All

Salesforce Mobile Quick Start

Home

Administer

Release Updates

Manage Users

Manage Apps

Manage Territories

Company Profile

Data Classification

Privacy Center

Security Controls

Domain Management

Communication Templates

Translation Workbench

Data Management

Mobile Administration

Desktop Administration

Outlook Integration and Sync

Email Integration and Sync

Email Administration

Google Apps

Analytics

TabCrew

Data.com Administration

Build

Customize

Create

Apps

Custom Labels

Advanced

Custom Tabs








Help for this Page

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Custom Object Tabs

New What Is This?

Action	Label	Tab Style	Description
Edit Del.	Department	 Books	
Edit Del.	Departments	 Books	
Edit Del.	Lease	 Airplane	
Edit Del.	Payment	 Airplane	
Edit Del.	Property	 Airplane	
Edit Del.	Tenants	 Airplane	
Edit Del.	Travel Approvals	 Airplane	

Web Tabs

New What Is This?

No Web Tabs have been defined

Visualforce Tabs

New What Is This?

No Visualforce Tabs have been defined

Lightning Component Tabs

New What Is This?

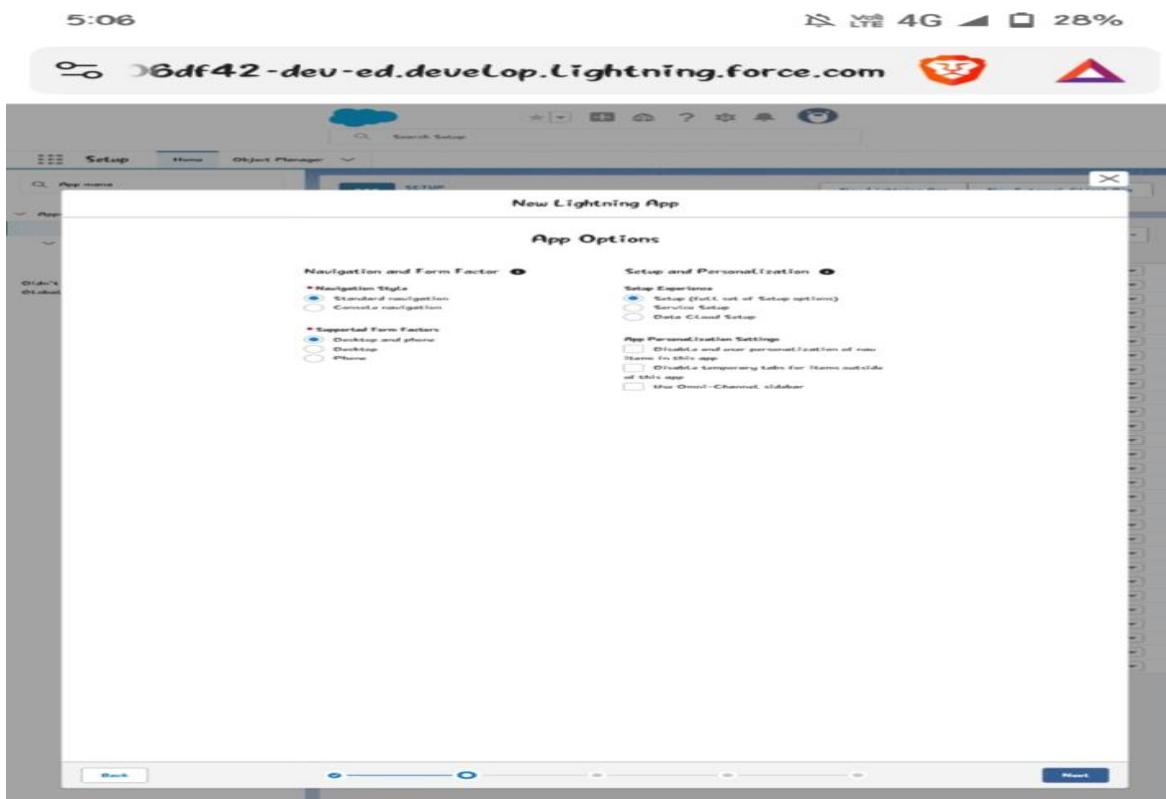
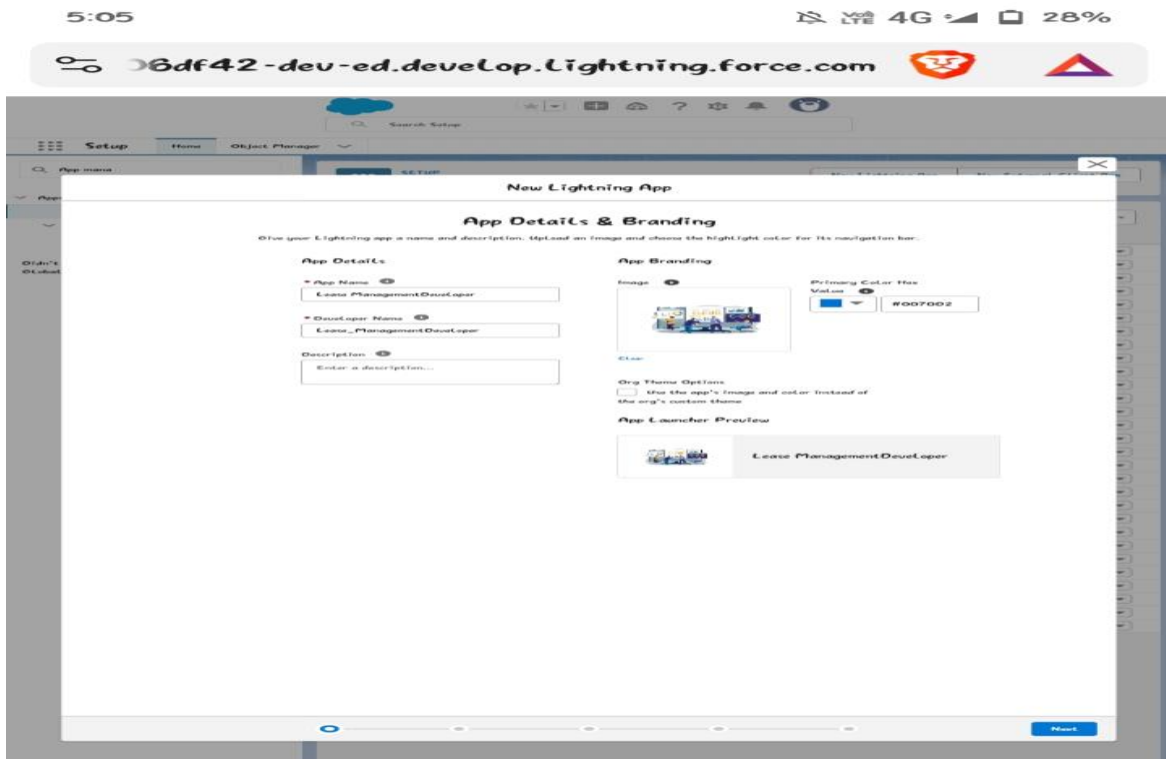
No Lightning component tabs have been defined

Lightning Page Tabs

New What Is This?

No Lightning Page Tabs have been defined

- Developed Lightning App with relevant tabs :



5:09

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Setup Home Object Manager

App menu

Search Setup

New Lightning App

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

Lease

Selected Items

- Payment
- Tenants
- property
- Lease

Back Next

5:10

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Setup Home Object Manager

App menu

Search Setup

New Lightning App

User Profiles

Choose the user profiles that can access this app.

Available Profiles

System

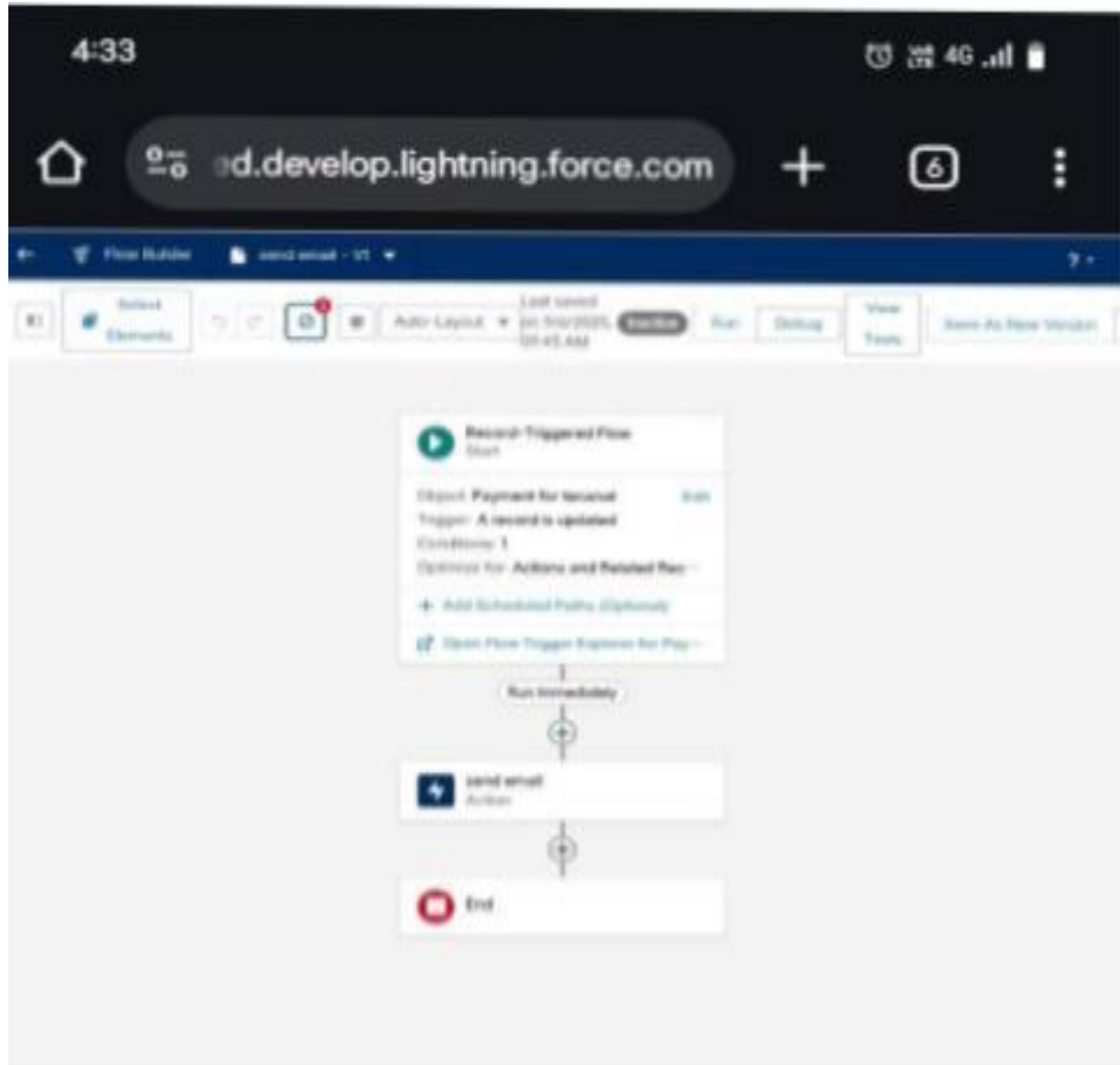
Salesforce API Only System Integra...

Selected Profiles

System Administrator

Back Save & Finish

Implemented Flows for monthly rent and payment success :



- To create a validation rule to a Lease Object :

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Administer

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- Privacy Center
- Security Controls
- Domain Management

lease Validation Rule

Back to lease

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	Keerthana M, 9/11/2025, 6:54 PM	Modified By	Keerthana M, 9/11/2025, 6:54 PM

Edit Clone

7:04 VoLTE 5G 18%

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- Gmail Integration and Sync
- Email Administration
- Google Apps
- Analytics
- Tableau
- Data.com Administration

lease Validation Rule

Define a validation rule by specifying an error condition and a corresponding error message. The error condition is written as a Boolean formula expression that returns true or false. When the formula expression returns true, the save will be aborted and the error message will be displayed. The user can correct the error and try again.

Validation Rule Edit Save Save as New Cancel

Rule Name lease_end_date Active ☒ Description

Error Condition Formula More Examples...

Example: `Discount_Percent__c > 0.30`
 Display an error if Discount is more than 30%.
 If this formula expression is **true**, display the text defined in the Error Message area

Insert Field Insert Operator

`End_date__c > start_date__c`

Check Syntax

Error Message

Example: `Discount percent cannot exceed 30%`
 This message will appear when Error Condition formula is **true**

Error Message `Your End date must be greater than start date`

This error message can either appear at the top of the page or below a specific field on the page

Error Location ☐ Top of Page ☒ Field: start date

Save Save as New Cancel

Quick Tips




- Operators & Functions



Functions


- All Function Categories
- ABS

Insert Selected Function: `ABS(number)`
 Returns the absolute value of a number, a number without its sign.
[Help on this function](#)

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

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Build

- Customize
- Create
- Develop
- Lightning Bolt Schema Builder
- Salesforce App Builder

Text Email Template
Leave rejected
Back to List: Email Templates

Preview your email template below.

Email Template Detail Edit Delete Clone

Email Templates from Salesforce	Unfiled Public Classic Email Templates	Available For Use
Leave rejected	Leave rejected	✓
Template Unique Name	Leave_rejected	Last Used Date
Encoding	Unicode (UTF-8)	Times Used
Author	Keerthana M (Changel)	
Description		
Created By	Keerthana M, 9/11/2025, 7:12 PM	Modified By Keerthana M, 9/11/2025, 7:12 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

Attachments Attach File

No records to display

6:55  VoLTE 5G  20% 

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salesforce  Search... Search Keerthana M Setup Help Sales

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Quick Find / Search... Expand All Collapse All

Salesforce Mobile Quick Start

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Build

- Customize
- Create
- Develop
- Lightning Bolt Schema Builder
- Salesforce App Builder

Text Email Template
Leave approved
Back to List: Email Templates

Preview your email template below.

Email Template Detail Edit Delete Clone

Email Templates from Salesforce	Unfiled Public Classic Email Templates	Available For Use
Leave approved	Leave approved	✓
Template Unique Name	Leave_approved	Last Used Date
Encoding	Unicode (UTF-8)	Times Used
Author	Keerthana M (Changel)	
Description		
Created By	Keerthana M, 9/11/2025, 7:09 PM	Modified By Keerthana M, 9/11/2025, 7:09 PM

Edit Delete Clone

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.

your leave is approved. You can leave now

Attachments Attach File

No records to display



The screenshot displays the Salesforce Lightning Experience interface. At the top, there's a navigation bar with the Salesforce logo, search bars, and user profile information (Keerthana M). Below this is a horizontal menu with tabs: Home, Chatter, Campaigns, Leads, Accounts, Contacts, Opportunities, Forecasts, Contracts, Orders, Cases, Solutions, and a plus icon for more options.

The main content area is titled "Quick Find / Search..." with a magnifying glass icon and a link to "Expand All | Collapse All". Below this, the "Salesforce Mobile Quick Start" section is visible. The left sidebar contains a navigation menu with categories like "Administer" (Release Updates, Manage Users, Manage Apps, etc.) and "Communication Templates" (Classic Letterheads, Mail Merge Templates, Translation Workbench, etc.).

The central pane shows the "Text Email Template" section for "tenant payment". It includes details such as "Email Template Name", "Template Unique Name", "Encoding", "Author", "Description", and "Created By". There are also buttons for "Edit", "Delete", and "Clone". A table on the right shows metadata: "Available For Use" (checked), "Last Used Date", and "Times Used".

Below the details, the "Email Template" section is active, displaying the "Subject" ("Confirmation of Successful Monthly Payment"), "Plain Text Preview" (starting with "Dear (!Tenant__c.Email__c)."), and the full email body text. At the bottom, there's an "Attachments" section with an "Attach File" button and a message stating "No records to display".



25

[Keerthana M ▾](#)
 [Setup](#)
 [Help](#)
 [Sales ▾](#)

Home Chatter Campaigns Leads Accounts Contacts Opportunities Forecasts Contracts Orders Cases Solutions + ▾

Expand All | Collapse All

Salesforce Mobile Quick Start

Home

Administer

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Build

- ▶ Customize
- ▶ Create
- ▶ Develop
- ▶ Lightning Bolt

Text Email Template
Tenant Email
▶ Back to List: Email Templates

Preview your email template below.

Email Template Detail Edit Delete Clone

Email Templates from Salesforce	Unfiled Public Classic Email Templates	
Template Name	Tenant Email	Available For Use <input checked="" type="checkbox"/>
Encoding	Unicode (UTF-8)	Last Used Date
Author	Keerthana M [Change]	Times Used
Description		
Created By	Keerthana M, 9/11/2025, 7:15 PM	Modified By Keerthana M, 9/11/2025, 7:15 PM

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 communication is a friendly reminder regarding your monthly rent payment, which is currently outstanding. As outlined in our rental agreement, the payment is due . To ensure the smooth operation of our property management and to avoid any inconvenience, we kindly request you to settle the payment at your earliest convenience.

Attachments Attach File

No records to display

8:22

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25

Search...

Search

Karthana M Setup Help Sales

Home Chatter Campaigns Leads Accounts Contacts Opportunities Forecasts Contracts Orders Cases Solutions Products Reports Dashboards

Quick Find / Search... Expand All | Collapse All

Salesforce Mobile Quick Start

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- Mail Merge Templates

Translation Workbench

Data Management

Mobile Administration

Desktop Administration

Outlook Integration and Sync

Email Integration and Sync

Email Administration

Google Apps

Analytics

Tableau

Data.com Administration

Build

- Customize
- Create
- Develop
- Lightning Bolt

Text Email Template

tenant Leaving

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	
Encoding	Unicode (UTF-8)	Times Used	
Author	Karthana M [Change]		
Description			
Created By	Karthana M, 9/11/2025, 7:05 PM	Modified By	Karthana M, 9/11/2025, 7:05 PM

Edit Delete Clone

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

Attachments

Attach File

No records to display

Approval Process creation :

9:24 28%

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salesforce

Search...

Karthana P

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- Analytics
- Tableaux
- Data.com Administration

Build

- Customize
- Create
 - Apps
 - Custom Labels
 - Objects
 - Big Objects
 - Picklist Value Sets
 - Packages
 - Report Types
 - Tabs

Approval Processes

Tenant

Try Flow Approval Processes!

Introducing **Flow Approval Processes**, an enhanced alternative to classic Approval Processes.

- Flexible, User-Friendly Interface:** Create everything your approval process needs in Flow Builder.
- Record-Change Triggers:** Automate approvals based on specific record updates.
- Apex Extensibility:** Customize with Apex for advanced functionality.
- Detailed Logging:** Ensure compliance with comprehensive audit trails.
- Dynamic Routing:** Route approvals based on data and business rules.

Get started with Flow Approval Processes in the Approval app where you can manage approval submissions, approval work items, and flow approval processes in one location.

[Open Approval App](#)

Approvals are complex business processes that require information gathering and planning before implementing. It is recommended that you follow the instructions below before getting started.

- Read the data tools.
- View the checklist.
- Create a custom user hierarchy relationship field.
- Create email templates.
- Create an approval process using either the Jump Start or Standard Wizard.
- Add Approval History Related List to all page layouts.
- Activate the process to deploy to your users.

Manage Approval Processes For: Tenant

A listing of both active and inactive approval processes for Tenants is displayed below. To create a new approval process, click **Create New Approval Process** then select the Jump Start Wizard to set up your approval process in a few short steps. Or, select the Standard Wizard to configure all approval options.

[Create New Approval Process](#)

Active Approval Processes [Reorder](#)

No approval processes available.

Inactive Approval Processes

Action	Approval Process Name	Description
Edit Activate Dea	check_for_vacant	

9:21 29%

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Search...

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Build

- Customize
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 - Picklist Value Sets
 - Packages
 - Report Types
 - Service Cloud Launch Pad

Approval Processes

Tenant: check_for_vacant

[Back to Approval Process List](#)

Process Definition Detail [Edit](#) [Clone](#) [Delete](#) [Activate](#)

Process Name	check_for_vacant	Active	<input type="checkbox"/>
Unique Name	check_for_vacant	Next Automated Approver Determined By	
Description			
Entry Criteria	Tenant: STATUS NOT EQUAL TO Leasing		
Record Editability	Administrator ONLY		
Approval Assignment Email Template	Allow Submitters to Recall Approval Requests <input type="checkbox"/>		
Initial Submitters			
Created By	Tenant Owner	Modified By	Karthana P, 9/16/2025, 6:37 AM

Initial Submission Actions [Add Existing](#) [Add New](#)

Action	Type	Description
	Record Lock	Lock the record from being edited

Approval Steps [Add Existing](#) [Add New](#)

Action	Step Number	Name	Description	Criteria	Assigned Approver	Reject Behavior
Show Actions Edit Dea	1	Step 1			Manually Chosen	Final Rejection

Final Approval Actions [Add Existing](#) [Add New](#)

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

Final Rejection Actions [Add Existing](#) [Add New](#)

Action	Type	Description
Edit	Record Lock	Unlock the record for editing

Recall Actions [Add Existing](#) [Add New](#)

Action	Type	Description
Edit	Record Lock	Unlock the record for editing

[Back To Top](#) Always show me more records per related list

- Apex Trigger :
Create an Apex Trigger :

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```
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 }
```

Entity Type	Entity	Related
Entity Type	Name	Name
Classes	AccountAddressTrigger	← Tenant__c
Triggers	AccountTrigger	SObject
Pages	test	References
Page Components		
Objects		
Static Resources		
Packages		

Open ☒ Filter: Filter the repository (* = any string) ☐ Hide Managed Packages Refresh

User	Application	Operation	Time	Status	Read	Size
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Filter: Click here to Filter the Log List

9:53

4G 22%

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File Edit Debug Test Workspace Help

test.apex testHandler.apex

Code Coverage: None API Version: 64

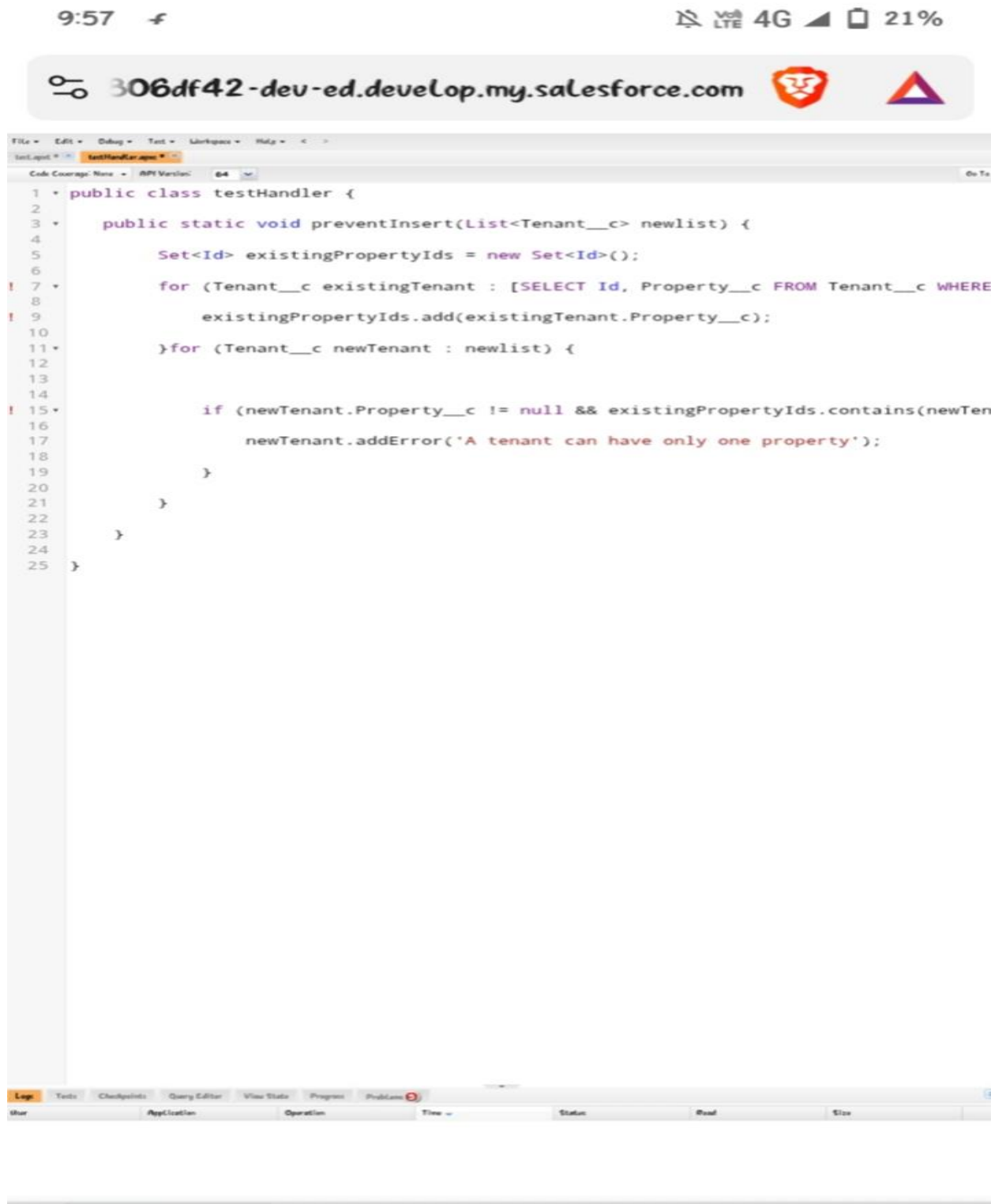
```
1 trigger test on Tenant__c (before insert)
2
3 {
4
5     if(trigger.isInsert && trigger.isBefore){
6
7         testHandler.preventInsert(trigger.new);
8
9     }
10
11 }
```

Log Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
------	-------------	-----------	------	--------	------	------

Filter Click here to filter the Log List

- Create an Apex Handler class



Flows :

The screenshot displays the Salesforce Flow Builder interface for a 'Record Triggered Flow'. The left sidebar shows the flow canvas with the following steps:

- Record Triggered Flow Start** (Trigger)
- Object: Payment For Rental** (Trigger: A record is updated)
- Condition: 1** (Optimize for efficiency and related records)
- Fast Field Updates** (Action)
- Send email** (Action)
- End** (End)

The right sidebar shows the 'Configure Start' configuration panel:

- Object:** Payment For Rental
- Trigger:** A record is updated
- When to Run the Flow for Updated Records:** Every time a record is updated and meets the condition requirements.
- Optimize Flow:** Optimize the flow for:
 - Fast Field Updates:** Update fields in the record that triggers the flow to run. This high-performance flow runs **before** the record is saved to the database.
 - Action and Related Records:** Update the record and perform actions. The workflow runs **after** the record is saved to the database.
- Is this flow making an external callout or connecting to an external system?** (Toggle: Off)

The screenshot displays the Salesforce Flow Builder interface for a 'Record Triggered Flow'. The left sidebar shows the flow canvas with the following steps:


- Record Triggered Flow Start** (Trigger)
- Object: Payment For Rental** (Trigger: A record is updated)
- Condition: 1** (Optimize for efficiency and related records)
- Fast Field Updates** (Action)
- Send email** (Action)
- End** (End)



The right sidebar shows the 'Configure Start' configuration panel:

- Select Object:** Payment For Rental
- Configure Trigger:** Trigger the flow when:
 - ☐ A record is created
 - ☒ A record is updated
 - ☐ A record is deleted
- Set Entry Conditions:** Specify entry conditions to narrow the number of records that trigger the flow and the number of times the flow is executed. (Optional)
- Condition Requirements:** All Conditions for Flow (AND)

- Schedule class:

Create an Apex Class

10:29  4G 13%

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MonthlyEmailScheduler.apex

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     public static void sendMonthlyEmails() {
16
17
18
19
20         List<Tenant__c> tenants = [SELECT Id, Email__c FROM Tenant__c];
21
22
23         for (Tenant__c tenant : tenants) {
24             String recipientEmail = tenant.Email__c;
25             String emailContent = 'I trust this email finds you well. I am writing to
26             String emailSubject = 'Monthly Email Scheduler';
27
28             message();
29
30
31
32
33
34
35
36
37
38
39
40 }

```

Open

Entity Type	Entity Name	Namespace	Related Name	Extent	Direction
Entity Type	AddPrimaryContactTest		Email	CustomField...	References
Classes	DailyLoadProcessor		← Tenant__c	SObject	References
Triggers	DailyLoadProcessorTest		← Tenant__c	SObject	References
Pages	AnimalLocator				
Page Components	AnimalLocatorTest				
Objects	AnimalLocatorMock				
Static Resources	AccountTriggerHandler				
Packages	AccountTriggerTest				
	TestHandler				
	MonthlyEmailScheduler				

Open ☐ Filter: Filter the repository (* = any string) ☐ Hide Managed Packages

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
------	-------------	-----------	------	--------	------	------

Filter [Click here to filter the Log List](#)

10:29

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MonthlyEmailScheduler.apex

Code Coverage: None API Version: 64 On To

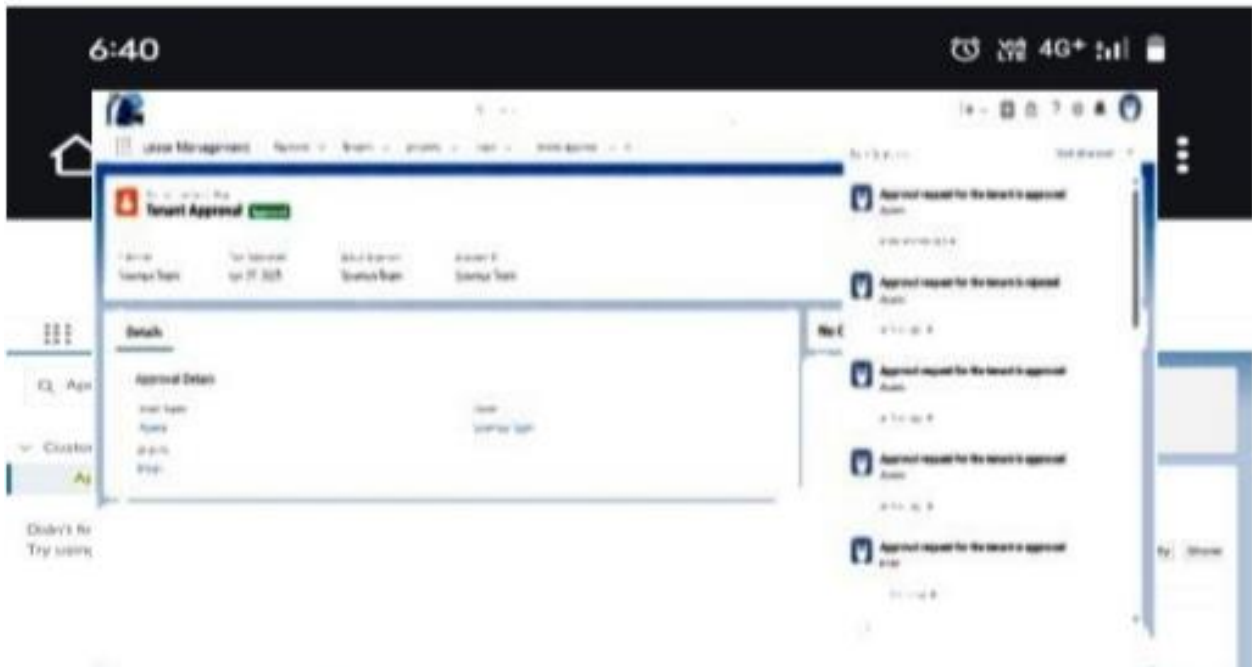
```
1 * global class MonthlyEmailScheduler implements Schedulable {
2
3 *     global void execute(SchedulableContext sc) {
4
5         Integer currentDay = Date.today().day();
6
7 *         if (currentDay == 1) {
8
9             sendMonthlyEmails();
10
11         }
12
13     }
14
15
16 *     public static void sendMonthlyEmails() {
17
18
19
20         List<Tenant__c> tenants = [SELECT Id, Email__c FROM Tenant__c];
21
22
23 *         for (Tenant__c tenant : tenants) {
24             String recipientEmail = tenant.Email__c;
25             String emailContent = 'I trust this email finds you well. I am writing to
26             String emailSubject = 'Reminder: Monthly Rent Payment Due';
27
28             Messaging.SingleEmailMessage email = new Messaging.SingleEmailMessage();
29             email.setToAddresses(new String[]{recipientEmail});
30             email.setSubject(emailSubject);
31             email.setPlainTextBody(emailContent);
32
33
34             Messaging.sendEmail(new Messaging.SingleEmailMessage[]{email});
35
36         }
37
38     }
39
40 }
```

Logs Tests Checkpoints Query Editor View State Progress Problems

User	Application	Operation	Time	Status	Read	Size
------	-------------	-----------	------	--------	------	------

Filter Click here to filter the Log List

Schedule Apex class



The screenshot shows the Salesforce Lightning interface. At the top, the time is 6:40 and the battery level is 40%. The main content area displays a 'Tenant Approval' record. The record has a status of 'Approved' and a date of 'Apr 27, 2025'. The 'Details' section shows 'Approval Status' as 'Approved' and 'Approval Date' as 'Apr 27, 2025'. On the right, there is a list of 'Approval requests for the tenant to approve'. The list contains five entries, each with a status of 'Approved' and a date of 'Apr 27, 2025'. The bottom of the screen shows a code editor with the following Apex code:

```
1 global class MonthlyRentReminders implements Schedulable {
2
3     global void execute(SchedulableContext sc) {
4
5         Integer counter = 0;
6
7         if (counter == 1) {
8             sendMonthlyReminders();
9         }
10    }
11
12    public static void sendMonthlyReminders() {
13
14        List<Tenant__c> tenants = [SELECT Id, Email__c FROM Tenant__c];
15
16        for (Tenant__c tenant : tenants) {
17
18            String recipientEmail = tenant.Email__c;
19
20            String emailContent = 'I trust this email finds you well. I am writing to remind you that the monthly rent is due.';
21
22            String emailSubject = 'Reminder: Monthly Rent Payment Due';
23
24            Messaging.SingleEmailMessage email = new Messaging.SingleEmailMessage();
25
26            email.setToAddresses(new String[]{recipientEmail});
27
28            email.setSubject(emailSubject);
29
30            email.setPlainTextBody(emailContent);
31
32            Messaging.sendEmail(new Messaging.SingleEmailMessage[]{email});
33
34        }
35    }
36 }
37
38 }
```

At the bottom right of the code editor, there are links for 'Edit', 'Delete', 'Download', 'Security', and 'Share'.

RESULTS

Output Screenshots

- Tabs for Property, Tenant, Lease, Payment




4:34


Vol

LTE

4G

35%

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25

Search...

Search

Karthana P | Setup Help Sales

Home Chatter Campaigns Leads Accounts Contacts Opportunities Forecasts Contracts Orders Cases Solutions Products Reports Dashboards

Quick Find / Search...

Expand All Collapse All

Salesforce Mobile Quick Start

Home

Administer

Release Updates

Manage Users

Manage Apps

Manage Territories

Company Profile

Data Classification

Privacy Center

Security Controls

Domain Management

Communication Templates

Translation Workbench

Data Management

Mobile Administration

Desktop Administration

Outlook Integration and Sync

Email Integration and Sync

Email Administration

Google Apps

Analytics

Tab Learner

Data.com Administration

Build

Customize

Create

Apps

Custom Labels

Custom Tabs








Help for this Page

You can create new custom tabs to extend Salesforce functionality or to build new application functionality.

Custom Object tabs look and behave like the standard tabs provided with Salesforce. Web tabs allow you to embed external web applications and content within the Salesforce window. Visualforce tabs allow you to embed Visualforce pages. Lightning Component tabs allow you to add Lightning components to the navigation menu in Lightning Experience and the mobile app. Lightning Page tabs allow you to add Lightning Pages to Lightning Experience and the mobile app.

Custom Object Tabs

New What Is This?

Action	Label	Tab Style	Description
Edit Del.	Department	 Books	
Edit Del.	Departments	 Books	
Edit Del.	Lease	 Airplane	
Edit Del.	Payment	 Airplane	
Edit Del.	Property	 Airplane	
Edit Del.	Tenants	 Airplane	
Edit Del.	Travel Approvals	 Airplane	

Web Tabs

New What Is This?

No Web Tabs have been defined

Visualforce Tabs

New What Is This?

No Visualforce Tabs have been defined

Lightning Component Tabs

New What Is This?

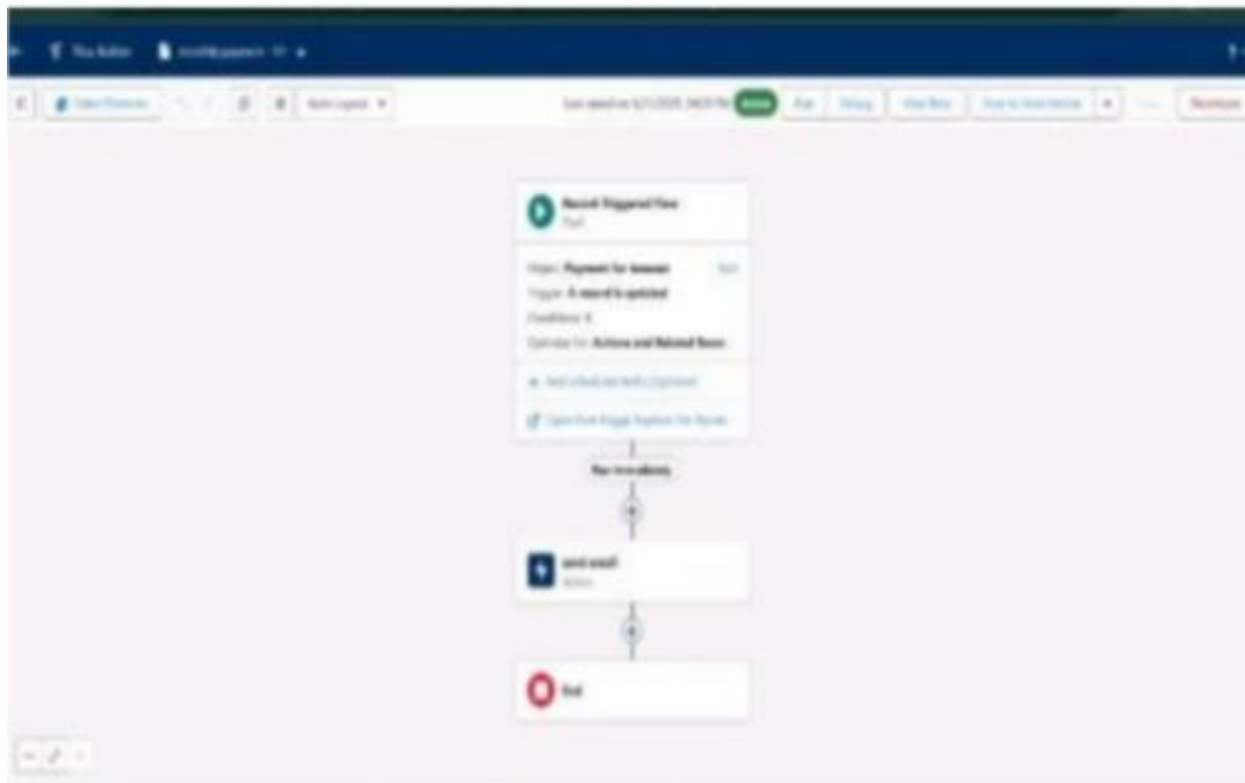
No Lightning component tabs have been defined

Lightning Page Tabs

New What Is This?

No Lightning Page Tabs have been defined

Flow runs :



- Approval process notifications



ADVANTAGES & DISADVANTAGES :

Advantage : Financial Benefits

Operational Efficiency

Legal & Compliance

Flexibility

Transparency & Control

Disadvantage : Higher Long-Term Cost

No Ownership

Restrictions & Limitations

Complexity in Management

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

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});
```

```
    }
```

```
}
```

```
}
```