PROJECT TITLE: LEASE MANAGEMENT

College Name: University College of Engineering,

BIT Campus, Trichy

College Code: 8100

TEAM ID: NM2025TMID06880

TEAM SIZE: 4

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Title: Lease Management System

Project Overview:

Real estate and asset leasing companies often struggle to manage lease agreements, tenant details, payment schedules, and property maintenance efficiently. Manual processes can lead to errors, missed renewals, and poor customer experience. To address these challenges, this project leverages **Salesforce CRM** to build a **Lease Management System** that automates lease operations, manages property and tenant data, tracks rent payments, and provides insightful reports for decision-making.

The system uses **custom objects**, **workflows**, **automation**, **and dashboards** to ensure seamless lease tracking, automated renewal alerts, payment monitoring, and efficient communication between tenants, landlords, and administrators.

This project demonstrates how Salesforce technology can enhance operational efficiency, reduce manual workload, and improve transparency in lease operations.

Objectives:

- **Centralized Lease Data:** Maintain detailed records of leased properties, tenants, contracts, and payment history.
- Automate Lease Renewal Alerts: Trigger notifications before lease expiry to avoid revenue loss.
- Efficient Payment Tracking: Monitor rent payments, pending dues, and generate payment receipts.
- **Enhance Communication:** Enable real-time updates between tenants and property managers.
- Improve Operational Efficiency: Reduce manual recordkeeping through automation and reports.
- Role-Based Access Control: Allow secure access to admins, agents, and tenants.
- **Data-Driven Insights:** Generate reports on lease performance, revenue trends, and occupancy rates.

Student Outcomes:

- **Practical Salesforce Skills:** Students learn to configure custom objects, flows, validation rules, and dashboards specific to property leasing.
- **Real-World CRM Experience:** Understand the complete lifecycle of lease management in a CRM environment.
- **Problem-Solving Ability:** Develop skills to automate reminders, payment tracking, and lease renewals using Salesforce tools.
- **Team Collaboration:** Gain experience in group project development, testing, and deployment.
- **Industry Readiness:** Acquire exposure to Salesforce CRM applications in the real estate domain.

System Requirements

Hardware Requirements:

- Computer with minimum 4 GB RAM (8 GB recommended)
- Dual-core processor
- Stable internet connection

Software Requirements:

- Salesforce Developer Edition Org
- Modern Web Browser (Google Chrome, Firefox, Edge)

Phases Overview:

Phase No	Phase Name	Phase Description
1	Requirement Analysis & Planning	Gathering requirements from landlords, tenants, and property managers; defining scope, data model, and workflows.
2	Salesforce Development – Backend	Creating custom objects(Property, Tenant, Lease Agreement, Payment), fields, relationship, and automation.

3	UI/UX Development	Building a Lightning App for lease management, designing page layouts, and customizing record pages.
4	Testing & Security	Creating users, profiles, and permission sets; configuring sharing rules and validating data integrity.
5	Deployment & Maintenance	Deploying to production, training users, and maintaining data consistency.

Phase 1: Requirement Analysis & Planning

Project Goal:

To automate and manage property leasing processes using Salesforce CRM for efficient rent tracking, renewal reminders, and property management.

Key Objectives:

- Manage property and tenant records.
- Automate payment and renewal alerts.
- Generate reports for revenue and occupancy.
- Enable secure communication between involved parties.

<u>Phase 2: Salesforce Development – Backend</u>

Milestone 1: Salesforce Developer Account Creation:

Activity 1: Creating Developer Account

Creating a developer org in salesforce.

- 1. Go to https://developer.salesforce.com/signup
- 2. On the sign up form, enter the following details:
 - 1. First name & Last name
 - 2. Email

3. Role: Developer

4. Company: College Name

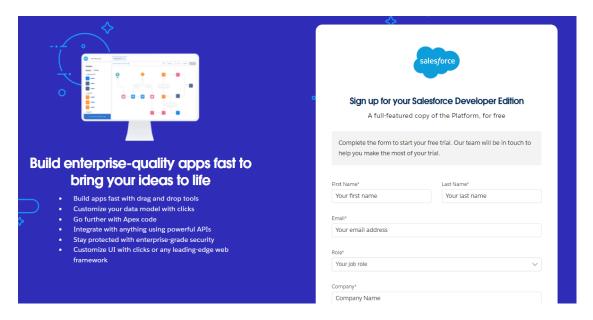
5. County: India

6. Postal Code: pin code

7. Username: should be a combination of your name and company

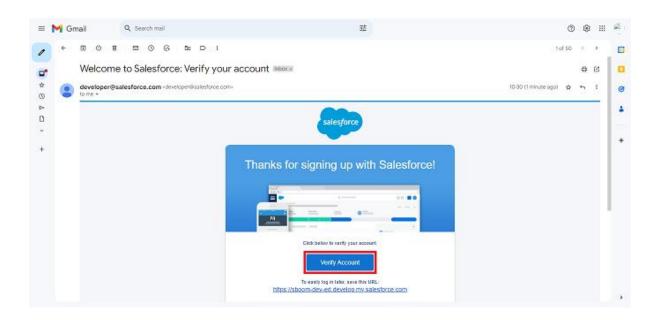
This need not be an actual email id, you can give anything in the format : username@organization.com

Click on sign me up after filling these.

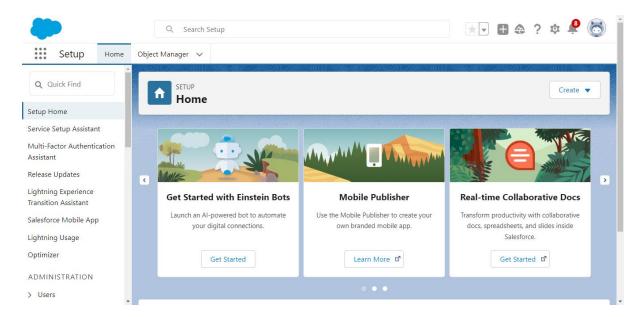


Activity 2: Account Activation:

1. Go to the inbox of the email that you used while signing up. Click on the verify account to activate your account. The email may take 5-10mins.



- 1. Click on Verify Account
- 2. Give a password and answer a security question and click on change password.
- 3. Give a password and answer a security question and click on change password.
- 4. Then you will redirect to your salesforce setup page.



Milestone 2: Objects

Activity 1: Create Property Object

To create an object:

- 1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
 - 1. Enter the label name>> property
 - 2. Plural label name>> property
 - 3. Enter Record Name Label and Format
 - Record Name >>property Name
 - Data Type >> Text
- 2. Click on Allow reports and Track Field History, Allow Activities
- 3.Allow search >> Save.

Activity 2: Create Tenant Object

To create an object:

- 1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
 - 1. Enter the label name>> Tenant
 - 2. Plural label name>> Tenants
 - 3. Enter Record Name Label and Format
 - Record Name >> Tenant Name
 - Data Type >> Text
- 2. Click on Allow reports and Track Field History, Allow Activities
- 3. Allow search >> Save.

Activity 3: Create Payment Object

To create an object:

- 1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
 - 1. Enter the label name>> Payment for tenanat
 - 2. Plural label name>> Payment
 - 3. Enter Record Name Label and Format
 - Record Name >> Payment Name
 - Data Type >> Text
- 2. Click on Allow reports and Track Field History, Allow Activities
- 3. Allow search >> Save.

Activity 4: Create Lease Object

To create an object:

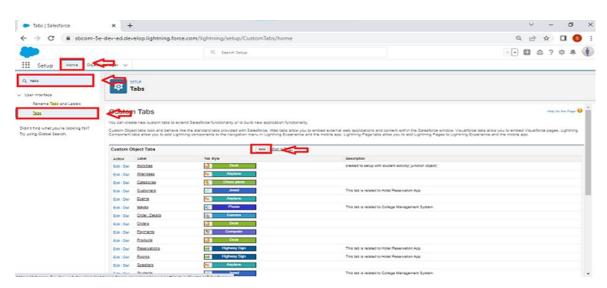
- 1. From the setup page >> Click on Object Manager >> Click on Create >> Click on Custom Object.
 - 1. Enter the label name>> lease
 - 2. Plural label name>> lease
 - 3. Enter Record Name Label and Format
 - Record Name >> lease Name
 - Data Type >> Text
- 2. Click on Allow reports and Track Field History, Allow Activities
- 3. Allow search >> Save

Milestone 3: Tabs

Activity 1: Creating a Custom Tab

To create a Tab:(Property)

1. Go to setup page >>type Tabs in Quick Find bar >> click on tabs >> New (under custom object tab)



- 1. Select Object(property) >> Select the tab style >> Next (Add to profiles page) keep it as default >> Next (Add to Custom App) uncheck the include tab.
- 2. Make sure that the Append tab to users' existing personal customizations is checked.
- 3. Click save

Activity 2: Creating Remaining Tabs

- 1. Now create the Tabs for the remaining Objects, they are "Payment for tenant,lease,tenant".
- 2. Follow the same steps as mentioned in Activity -1.

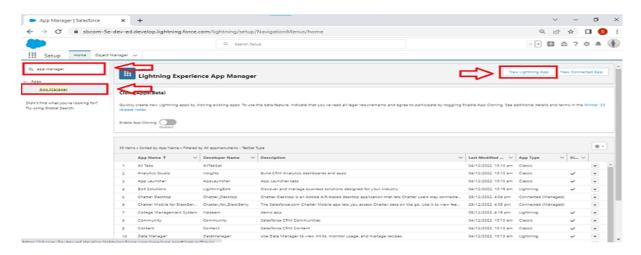
Phase 3: UI/UX Development

Milestone 4: Lightning App

Activity 1: Create a Lightning App

To create a lightning app page:

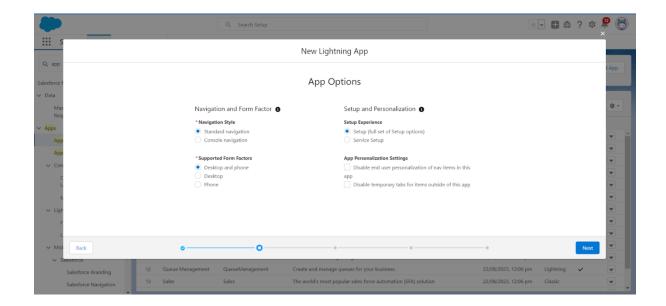
1. Go to setup page >> search "app manager" in quick find >> select "app manager" >> click on New lightning App.



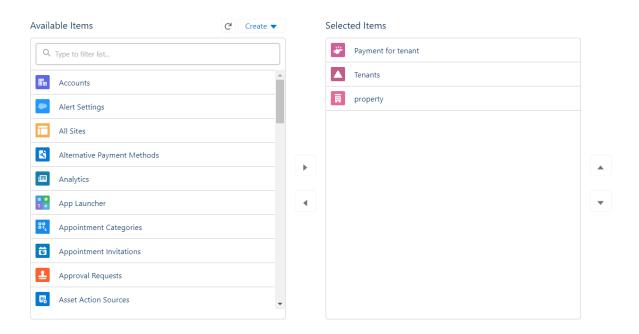
2. Fill the app name in app details and branding as follow

App Name: Lease ManagementDeveloper Name: This will auto populatedImage: optional (if you want to give any image you can otherwise not mandatory) Primary colour hex value: keep this default.

3.Then click Next >> (App option page)Set Navigation Style as Standard Navigation >> Next. 4. Utility Items keep it as default >> Next.

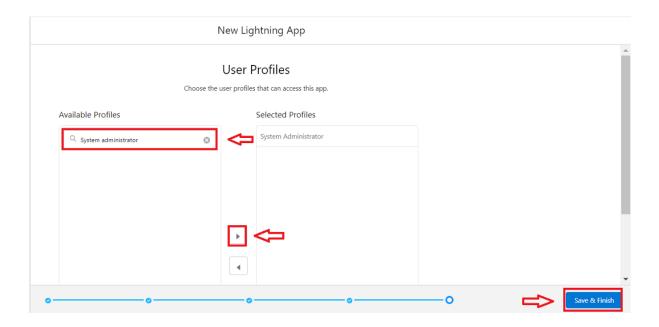


5. To Add Navigation Items:



Search for the item in the (Payment for tenant, Tenants, property, lease) from the search bar and move it using the arrow button? Next? Next.

6. To Add User Profiles:



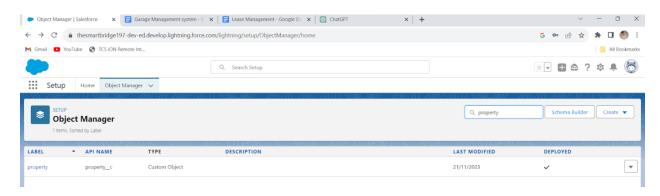
Search profiles (System administrator) in the search bar >>click on the arrow button >> save & finish.

Milestone 5: Fields

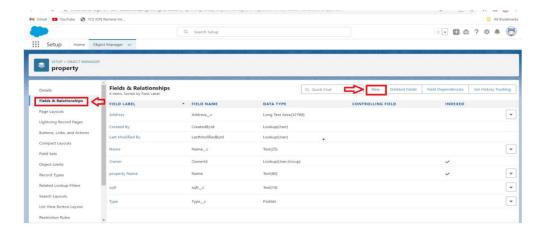
Activity 1: Creation of fields for the property object

To create fields in an object:

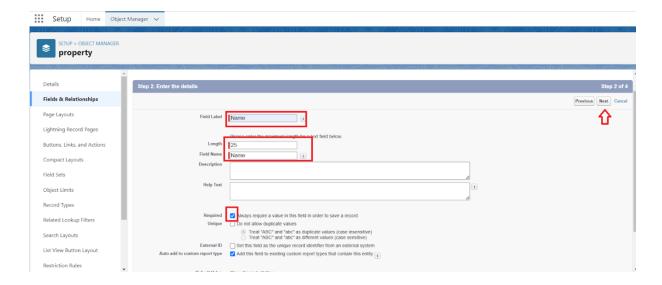
1. Go to setup >> click on Object Manager >> type object name(property) in search bar >> click on the object.



2. Now click on "Fields & Relationships" >> New



- 3. Select Data Type as a "Text"
- 4. Click on next
- 5. Fill the Above as following:
 - Field Label: Name
 - Field Name: gets auto generated
 - Length: 25
 - Required :check box
 - Click on Next >> Next >> Save and new.



2. To create another fields in an object:

- 1. Go to setup >> click on Object Manager >> type object name(property) in search bar >> click on the object.
- 2. Now click on "Fields & Relationships" >> New

- 3. Select Data type as a "Long Text" and Click on Next
- 4. Fill the Above as following:
 - Field Label: Address
 - Field Name: gets auto generated
 - Click on Next >> Next >> Save and new.

3. To create another fields in an object:

- 5. Go to setup >> click on Object Manager >> type object name(property) in search bar >> click on the object.
- 6. Now click on "Fields & Relationships" >> New
- 7. Select Data type as a "picklist" and Click on Next
- 8. Fill the Above as following:
 - Field Label: Type
 - Field Name: gets auto generated
 - Enter values, with each value separated by a new line
 - Enter these values

1BHK

2BHK

3BHK

• Click on Next >> Next >> Save and new.

To create another fields in an object:

- 9. Go to setup >> click on Object Manager >> type object name(property) in search bar >> click on the object.
- 10. Now click on "Fields & Relationships" >> New
- 11. Select Data type as a "Text" and Click on Next
- 12. Fill the Above as following:
 - Field Label: sfqt
 - Field Name: gets auto generated
 - Length: 18
 - Click on Next >> Next >> Save.

Activity 2: Creation of fields for the Tenant object

- 1.Go to setup >> click on Object Manager >> type object name(Tenant) in search bar >> click on the object.
- 2. Now click on "Fields & Relationships" >> New
- 3. Select Data type as a "Email" and Click on Next
- 4. Fill the Above as following:
 - Field Label: Email
 - Field Name: gets auto generated
 - Click on required check box

• Click on Next >> Next >> Save and new.

To create another fields in an object:

- 1. Go to setup >> click on Object Manager >> type object name(Tenant) in search bar >> click on the object.
- 2. Now click on "Fields & Relationships" >> New
- 3. Select Data type as a "phone" and Click on Next
- 4. Fill the Above as following:
 - Field Label: Phone
 - Field Name: gets auto generated
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

- 5. Go to setup >> click on Object Manager >> type object name(Tenant) in search bar >> click on the object.
- 6. Now click on "Fields & Relationships" >> New
- 7. Select Data type as a "picklist" and Click on Next
 - 8. Fill the Above as following:
 - Field Label: status
 - Field Name : gets auto generated
 - Enter values, with each value separated by a new line
 - Enter these values

Stay

Leaving

• Click on Next >> Next >> Save

Activity 3: Creation of fields for the Lease object

- 1.Go to setup >> click on Object Manager >> type object name(Lease) in search bar >> click on the object.
- 2. Now click on "Fields & Relationships" >> New
- 3. Select Data type as a "Date" and Click on Next
- 4. Fill the Above as following:
 - Field Label: start date
 - Field Name : gets auto generated
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

- 1.Go to setup >> click on Object Manager >> type object name(Lease) in search bar >> click on the object.
- 2. Now click on "Fields & Relationships" >> New
- 3. Select Data type as a "Date" and Click on Next
- 4. Fill the Above as following:
 - Field Label: End date
 - Field Name: gets auto generated
 - Click on Next >> Next >> Save and new.

Activity 4: Creation of fields for Payment for the Tenant object

- 1.Go to setup >> click on Object Manager >> type object name(Payment for tenant) in search bar >> click on the object.
- 2. Now click on "Fields & Relationships" >> New
- 3. Select Data type as a "Date" and Click on Next
- 4. Fill the Above as following:
 - Field Label: Payment date
 - Field Name: gets auto generated
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

- 1.Go to setup >> click on Object Manager >> type object name(Payment for tenant) in search bar >> click on the object.
- 2. Now click on "Fields & Relationships" >> New
- 3. Select Data type as a "Number" and Click on Next
- 4. Fill the Above as following:
 - Field Label: Amount
 - Length: 18
 - Field Name: gets auto generated
 - Click on Next >> Next >> Save and new.

To create another fields in an object:

- 1.Go to setup >> click on Object Manager >> type object name(Payment for tenant) in search bar >> click on the object.
- 2. Now click on "Fields & Relationships" >> New
- 3. Select Data type as a "picklist" and Click on Next
- 4. Fill the Above as following:
 - Field Label: check for payment
 - Field Name: gets auto generated
 - Enter values, with each value separated by a new line

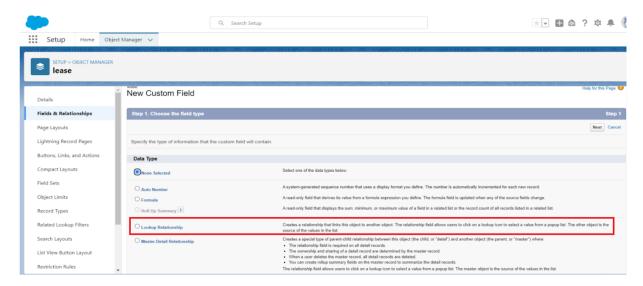
Enter these values
Paid
Not paid

Click on Next >> Next >> Save and new.

Activity 5: Creation of Lookup fields

Creation of Lookup Field on Lease Object.:

1. Go to setup>> click on Object Manager >> type object name(Lease) in the search bar >> click on the object.



- 2. Now click on "Fields & Relationships" >> New
- 3. Select lookup relationship
- 4. Select the related object "property" and click next.
- 5. Field Name: property
- 6. Field label: Auto generated
- 7. $Next \gg Next \gg Save$.

<u>Creation of Lookup Field on Payment Object :</u>

- 8. Go to setup >> click on Object Manager >> type object name(payment) in the search bar >> click on the object.
- 9. Now click on "Fields & Relationships" >> New
- 10. Select lookup relationship
- 11. Select the related object "Tenant" and click next.
- 12. Field Name: Tenant

- 13. Field label: Auto generated
- 14. Next \gg Next \gg Save.

Creation of Lookup Field on Payment for tenant Object:

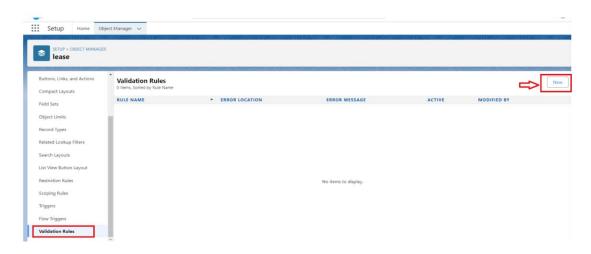
- 15. Go to setup>> click on Object Manager >> type object name(property) in the search bar >> click on the object.
- 16. Now click on "Fields & Relationships" >> New
- 17. Select masterdetail relationship
- 18. Select the related object "property" and click next.
- 19. Field Name: property
- 20. Field label: Auto generated
- 21. Next \gg Next \gg Save.

Phase 4: Testing & Security

Milestone 6: Validation Rules

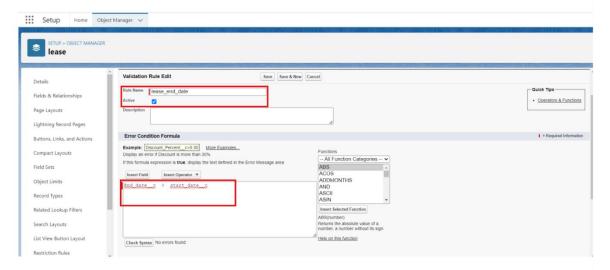
Activity 1: To create a validation rule to an Lease Object

- 1. Go to the setup page >> click on object manager >> From drop down click edit for Lease object.
- 2. Click on the validation rule >> click New.

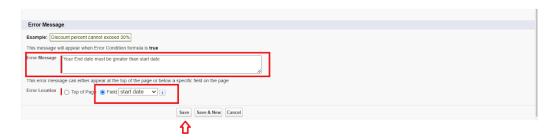


- 3. Enter the Rule name as "lease_end_date".
- 4. Insert the Error Condition Formula as:

End_date__c > start_date__c



5. Enter the Error Message as "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.



Milestone 7: Email Templates

Activity 1: Create Email Template For Tenant Leaving

To create Email Template:

- 1. Go to setup in quick find box enter email template >> click on classic Email Template.
- 2. Click on >> New Email Template===>Choose text

Folder: Unfiled public Classic Email templates
Click on available for use

- 3. Email Template Name is "tenant leaving"
- 4. Template Unique Name: Auto populated
- 5. Subject: "request for approve the leave"
- 6. Email body:

Dear {!Tenant_c.CreatedBy},
Please approve my leave.

7. Save

Activity 2: Create Email Template For Leave Approved

To create Email Template:

- 1. Go to setup in quick find box enter email template >> click on classic Email Template.
- 2. Click on >> New Email Template===>Choose text

Folder: Unfiled public Classic Email templates

Click on available for use

- 3. Email Template Name is "Leave approved"
- 4. Template Unique Name: Auto populated
- 5. Subject: "Leave approved"
- 6. Email body:

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

7. Save

Activity 3: Create Email Template For Rejection for Leave

To create Email Template:

- 1. Go to setup in quick find box enter email template >> click on classic Email Template.
- 2. Click on >>New Email Template===>Choose text

Folder: Unfiled public Classic Email templates

Click on available for use

- 3. Email Template Name is "Leave rejected"
- 4. Template Unique Name: Auto populated
- 5. Subject: "Leave rejected"
- 6. Email body:

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

7. Save

Activity 4: Create Email Template For Monthly Payment

To create Email Template:

- 1. Go to setup in quick find box enter email template >> click on classic Email Template.
- 2. Click on >> New Email Template===>Choose text

Folder: Unfiled public Classic Email templates

Click on available for use

- 3. Email Template Name is "Tenant Email"
- 4. Template Unique Name: Auto populated
- 5. Subject: "Urgent: Monthly Rent Payment Reminder"
- 6. Email body:

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.

7. Save

Activity 5: Create Email Template For Successful Payment

To create Email Template:

- 1. Go to setup in quick find box enter email template >> click on classic Email Template.
- 2. Click on >> New Email Template===>Choose text

Folder: Unfiled public Classic Email templates

Click on available for use

- 3. Email Template Name is "tenant payment"
- 4. Template Unique Name: Auto populated
- 5. Subject: "Confirmation of Successful Monthly Payment"
- 6. Email body:

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.

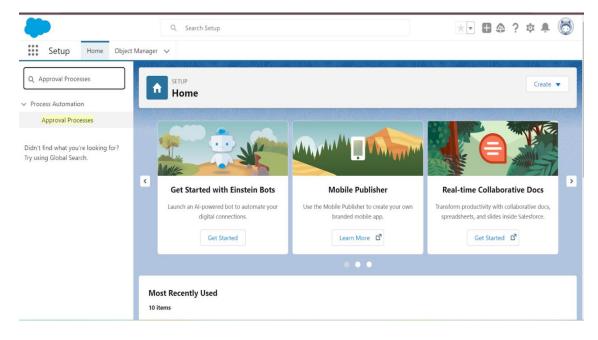
7. Save

Milestone 8: Approval Processes

Activity 1: Create Approval Process For check for vacant

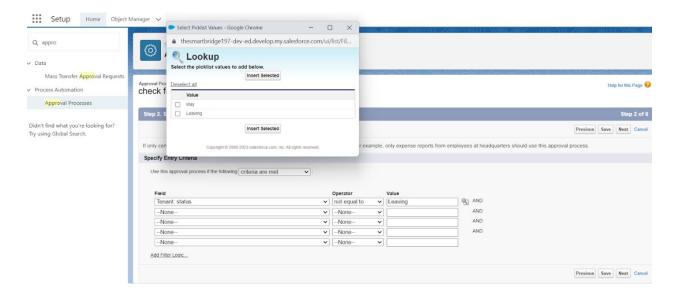
To create fields in an object:

- 1.Go to setup >> Approval Processes in quick find bar>>click on it.
- 2.Manage Approval Process For >> "Tenant" from the drop down.
- 3.Click on "Create New Approval Process" >> Use standard setup wizard.
- 4. Process Name "check for vacant" >> Click Next

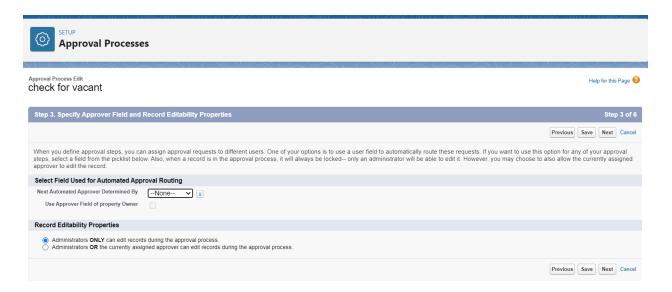


5. Field "Tenant:status" >> Operator : Not equals , Value >> Click on the lookup filter icon and select "Leaving".

6.Click insert field, then click Next.

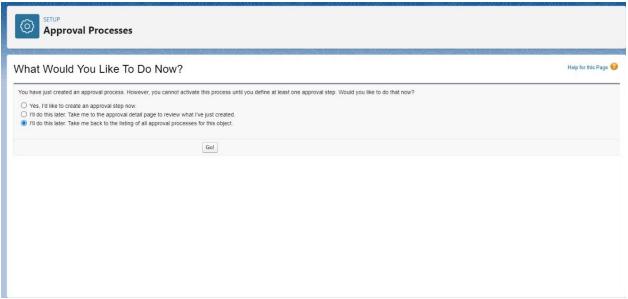


- 7. Next Automated Approver determined by "None" from the drop down.
- 8. Select the "Administrators ONLY can edit records during the approval process". Then Next.



- 9. Click on next leave the email template click on next
- 10.From the available fields select >> Tenant Name, and then add >> Add it to the selected. Then Next.

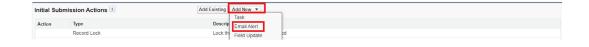
- Make sure Display approver history is checked.
- And under security settings check the "Allow approvers to access the approval page only from within the Salesforce application. (Recommended)" option.
- 11.Submitter type Search>>Owner, Allowed Submitters>>Property Owner.Then Next.
 - Then click save.



- Click on "i'll do this later. Take me back to the listing of all approval process for this object"
- Click go

Activity 2: Initial Submission Action

1. Under initial submission action click on add new and then select email alert.



2.Description: "please approve my leave".

3.Unique name : auto populated4.Email template : tenant leaving5. Recipient type : Email field

6. Available Recipients : Email field : Email7. From Email address : Current user's email

8. Click save

Activity 3: Final Approved Action

1.Under Final approval action click on new and then select email alert.

2.Description: "Tenant leaving".

3. Unique name : auto populated

4.Email template: Leave approved

5. Recipient type: Email field

6. Available Recipients: Email field: Email

7.From Email address: Current user's email

8.Click save

Activity 4: Final Rejection Action

1. Under final rejection action click on add new and then select email alert.

2.Description: "your request for leave is rejected".

3.unique name : auto populated4.Email template : leave rejected5. Recipient type : Email field

6. Available Recipients : Email field : Email7. From Email address : Current user's email

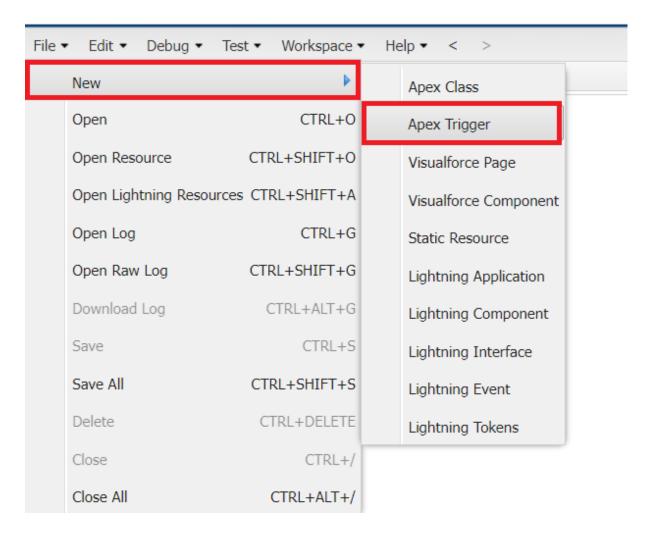
8. Click save

Milestone 8:Apex triggers

Activity 1: Create an Apex trigger

1. To create a new Apex Class follow the below steps:

Click on the file >> New ? Apex Class.



2. Give the Apex Trigger name as "test", and select "Tenant__c" from the dropdown for sObject.



- 3. Click Submit.
- 4. Now write the code logic here

```
File * Edit * Debug * Test * Workspace * Help * < >

test.apxt *

Code Coverage: None * API Version: 59 **

1 trigger test on Tenant_c (before insert)

2 * {
3 * if(trigger.isInsert && trigger.isBefore){
    testHandler.preventInsert(trigger.new);
}

6 }

8 }
```

Trigger Code:

```
trigger test on Tenant_c (before insert)
{
  if(trigger.isInsert && trigger.isBefore){
    testHandler.preventInsert(trigger.new);
  }
}
```

Activity 2: Create an Apex Handler Class

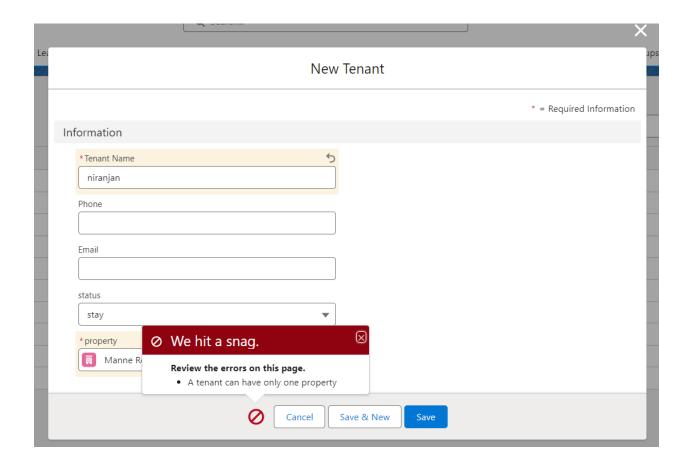
- 1.To create a new Apex Class follow the below steps: Click on the file >> New >> Apex Class.
- 2. Enter class name as testHandler.

Apex logic:

```
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');
        }
     }
    }
}
```

Activity 3: Testing the Trigger'

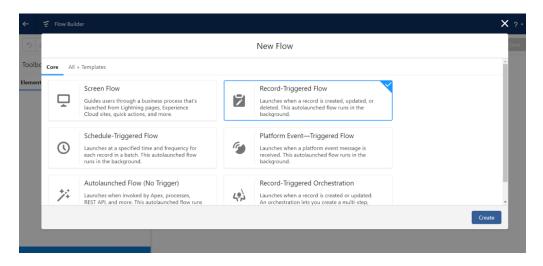
Try to create new tenant with the existing property then it shows the error



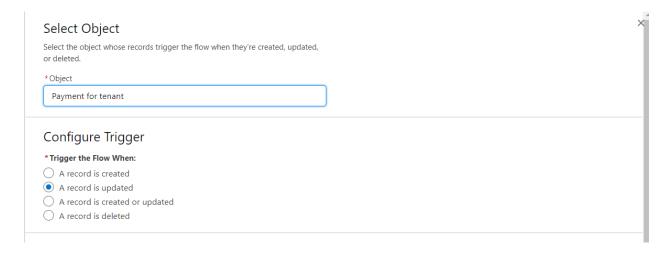
Milestone 10: Flows

Activity 1: Create Flow for monthly payment

- 1. Go to setup >> type Flow in quick find box >> Click on the Flow and Select the New Flow.
- 2. Select the record Triggered flow.Click on create.

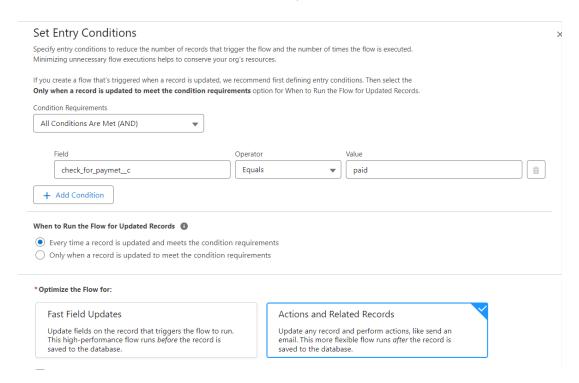


3. Under Object select "Payment for tenant". Click on A record is updated.

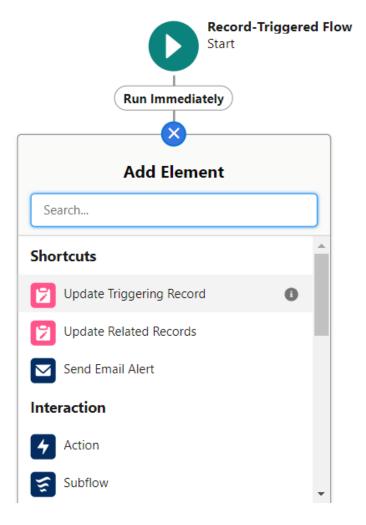


4. Set Entry Conditions
Under Condition Requirements>>All Conditions are met

- 5. Click on: Every time a record is updated and meets the condition requirements
- 6. Click on: Actions and related records, done



7. Under record trigger flow click on "+" icon and select action



In action search for send email then click on send email (check below image)

8. Label: send email

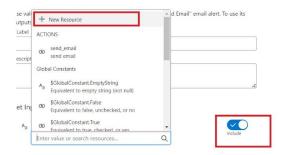
API Name: send_email

9. Label: send email

10. API Name: send_email

11. Enable Body

12. Click on new resource



Under resource type select "Text Template"

API Name: emailbody

Under body: (paste the below text)

Dear {!\$Record.Tenant_r.Name},

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.

- 14. Click Done.
- 15. Enable recipient Address List
 Paste this ?{!\$Record.Tenant__r.Email__c}
- 16. Click Done
- 17. Enable subject

Pate this >> Confirmation of Successful Monthly Payment

18. Click on save

Flow label: monthly payment

Flow API Name: monthly_payment

Milestone 11: Schedule Class

Activity 1: Create an Apex class

- 1. To create a new Apex Class follow the below steps: Click on the file >> New >> Apex Class.
- 2. Enter class name as MonthlyEmailScheduler.

```
| Code Company to a Minister of Minister o
```

Apex logic:

```
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);

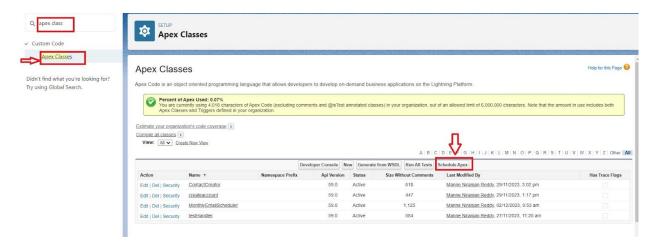
Messaging.sendEmail(new Messaging.SingleEmailMessage[]{email});
}

Messaging.sendEmail(new Messaging.SingleEmailMessage[]{email});
```

3. Save the code.

Activity 2: Schedule Apex class

- 1. Enter Apex class in quick find box
- 2. Select schedule Apex



3. Enter job Name: MonthlyEmailScheduler

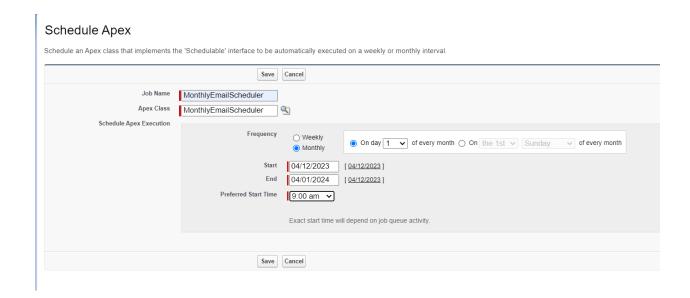
4. Apex class : MonthlyEmailScheduler

5. Frequency: Monthly===>select on day 1

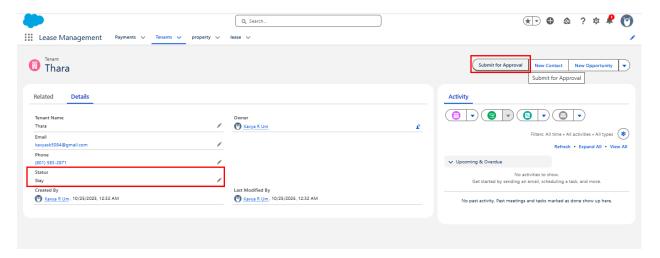
6. Start date: 04/12/20237. End date: 04/01/2024

8. Preferred start time: 09:00 am

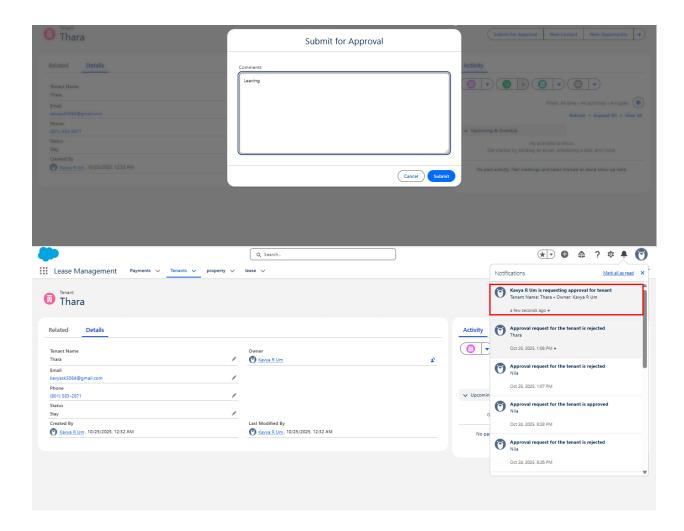
9. Save



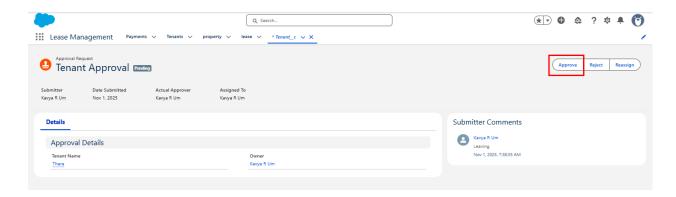
Testing the approval process:



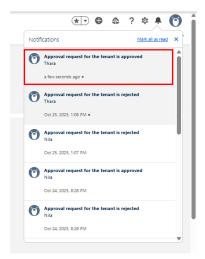
Enter any comment am\nd click on submit



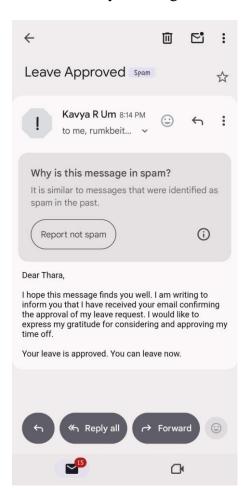
Click on that notification



Click on approve Give any comment and submit.



You will find notification like this and you will get an email check.



Phase 5: Deployment & Maintenance:

Once the app was tested successfully, it was deployed to the **production environment**.

- The deployment process involved moving metadata and configurations using **Change Sets** to ensure a smooth transition from sandbox to production.
- End users were **trained** on how to use the application, manage lease records, and generate reports effectively.
- Continuous **maintenance and monitoring** were established to ensure data consistency, system performance, and to apply updates or enhancements as needed.
- Regular feedback collection and system audits were also planned to identify potential improvements and maintain high user satisfaction

Testing Summary:

- All functional modules worked as designed.
- Automation flows and approval processes executed successfully.
- Emails were delivered correctly (occasionally redirected to spam folder).
- Validation rules effectively ensured data integrity.
- Overall application performance and response were stable and efficient.

Limitations:

Despite successful implementation, the current version has certain limitations:

- 1. **Limited Access Control:** Approval and notification rights are restricted primarily to system administrators.
- 2. **Email Delivery Issues:** Some system-generated emails may be marked as spam depending on recipient settings.
- 3. **Lack of Integration:** No integration with external payment or lease accounting systems.
- 4. **No Mobile Optimization:** The system is functional in desktop browsers but not optimized for Salesforce mobile view.

Future Enhancements:

1. Add Payment Integration:

Connect the system with an online payment option so that tenants can pay their rent directly and automatically update their payment status.

2. Improve Email Notifications:

Make the email templates more attractive and add more details such as payment amount, due date, and tenant name for better communication.

3. Add Reports and Dashboards:

Create simple dashboards to show the number of active leases, total payments received, and tenants who haven't paid.

4. Mobile Access:

Make the system easier to use on mobile devices using Salesforce mobile view for property owners and tenants.

5. Lease Renewal Reminders:

Add an automatic reminder email or notification when a lease is about to expire, so tenants can renew it on time.

Conclusion:

The **Lease Management System** project successfully demonstrates the end-to-end use of Salesforce CRM capabilities for real-world business automation.

It automates tenant record management, lease tracking, approval workflows, and rent reminders — reducing manual intervention and improving operational efficiency.

Through the combination of **custom objects**, **validation rules**, **approval processes**, **flows**, **and Apex scheduling**, the project provides a scalable and intelligent solution for property management.

This implementation showcases practical expertise in Salesforce configuration, automation, and declarative development, aligning perfectly with the goals of a Salesforce Developer project.

With further enhancements, the system can evolve into a full-scale, enterprise-level lease management platform.