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ENGINEERING AND TECHNOLOGY, KARAIKUDI – 630003**

**(An Autonomous Institution Affiliated to ANNA UNIVERSITY, Chennai - 600025)**



**DEPARTMENT OF COMPUTER SCIENCE AND  
ENGINEERING**

Project Report on  
SALESFORCE DEVELOPER  
**LEASE MANAGEMENT SYSTEM**

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# **PHASE 1**

## **IDEATION**

### **1.1PROJECT OVERVIEW**

The Lease Management System is a smart platform that simplifies how businesses handle lease agreements. It brings all lease-related activities into one place, helping track payments, renewals, and compliance more efficiently. By replacing manual processes, it reduces errors, delays, and confusion.

One of its main strengths is automation. It sends alerts for rent payments, renewals, and contract expirations ensuring deadlines are not missed. This reduces human error and keeps operations smooth. The system provides detailed reports on lease status, payment history, and upcoming events. This helps businesses make informed decisions based on real-time data.

By digitizing workflows, it saves time, improves accuracy, and ensures all teams access consistent information. It's especially useful for businesses handling multiple properties.

The system covers the entire lease lifecycle from creation to renewal or termination helping teams focus on key tasks instead of paperwork.

### **1.2 TECHNICAL APPROACH**

The Lease Management System is designed to be simple, fast, and secure. It uses a central database to store all lease-related data, ensuring quick access and better data management.

To reduce manual work, the system uses automation for tasks like payment reminders and compliance checks. This helps avoid delays and improves accuracy.

Real-time updates ensure that any change made like payment status or lease details—is instantly visible to all users, keeping information consistent.

The platform is built to be flexible and scalable, allowing future upgrades like adding new reports or integrating with other tools.

The user interface is clean and easy to use, designed even for non-technical users to work without confusion.

## 1.3 BENEFITS

- **Centralized Data Access**

All lease information is stored in one secure place for easy access and updates.

- **Time-Saving Automation**

Automatic alerts and checks reduce manual work and prevent missed deadlines.

- **Real-Time Updates**

Any change is instantly reflected for all users, ensuring accurate and current data.

- **Improved Decision-Making**

Built-in reports provide insights into leases, helping businesses plan better.

- **User-Friendly Interface**

Simple design makes it easy for anyone to use, even without technical skills.

- **Enhanced Security**

Login control, user roles, and data protection keep sensitive info safe.

- **Scalability and Flexibility**

The system can grow with the business and easily integrate with other tools

## 1.4 BUSINESS GOALS

- **Streamline Lease Management**

Develop a user-friendly platform that simplifies the management of lease agreements, tenant profiles, and property data, minimizing manual effort and bringing structure to the entire process.

- **Enhance Data Security and Controlled Access**

Securely store tenant and property information, ensuring that only authorized individuals can view or modify sensitive data.

- **Automate Lease Renewal and Termination Notifications**

Automatically send timely alerts for upcoming lease renewals or terminations to keep property managers and tenants informed and prepared.

- **Efficient Payment Tracking**

Monitor rent payments and due dates effectively, giving property managers a clear view of payment history and overall financial performance.

- **Generate Insightful Reports and Analytics**

Provide real-time reports on lease status, payment trends, and property performance to support better decision-making and long-term planning.

## **1.5 SPECIFIC OUTCOMES**

- **Intuitive User Interface**

Provide a clean, easy-to-navigate interface that allows both tenants and managers to manage and access lease data without confusion.

- **Automatic Reminders**

Implement alert systems to notify users of important events like rent due dates, lease renewals, and contract expirations.

- **Live Data Synchronization**

Ensure that all updates to lease records are reflected instantly across the platform, giving users access to the most accurate and up-to-date information.

- **Report Generation**

Enable property managers to create reports summarizing lease activities, payment statuses, and property performance for better analysis and decision-making.

- **Online Rent Payment**

Integrate online payment options to allow tenants to pay rent digitally, making the process more convenient and reducing delays.

## **PHASE 2**

### **REQUIREMENT ANALYSIS**

#### **2.1 UNDERSTANDING BUSINESS REQUIREMENTS**

The first phase of the project focused on understanding the real-world challenges faced by property managers and tenants in managing lease agreements. Through stakeholder meetings, user interviews, and domain research, key pain points were identified to shape the system's core functionalities.

#### **2.2 IDENTIFIED PROBLEMS & USER NEEDS**

- Manual handling of lease documents often leads to data entry errors, delays, and lack of consistency.
- Property managers face difficulties in tracking rent payments, lease expirations, and due dates across multiple tenants.
- Lease data is scattered and unstructured, making it hard to access and manage centrally.
- No alert mechanism for upcoming lease renewals or terminations causes missed actions and delays.
- Current systems lack data security, putting sensitive tenant and financial data at risk.

#### **2.3 SOLUTION APPROACH**

The Lease Management System addresses these problems by offering an automated, centralized, and secure digital platform. The system is designed to streamline daily operations, enhance visibility, and improve accuracy in lease tracking and management.

#### **2.4 DEFINING PROJECT SCOPE AND OBJECTIVES**

This step involves outlining what Phase 1 of the Lease Management System will deliver and how it will align with the overall business goals. The focus is on building a core functional system that can later be expanded.

- Centralized platform for managing leases, tenant records, properties, and payments

- User access through secure login based on roles (admin, manager, tenant)
- Lease lifecycle automation: creation, renewal reminders, and termination alerts
- Dashboard displaying lease status, payment due dates, and tenant activity
- Real-time synchronization of updates to ensure consistent and current data
- Flexibility to scale across multiple properties, locations, and user roles
- Data security measures like authentication, access control, and audit trails

## **2.5 BUILT-IN REPORTING FOR FINANCIAL SUMMARIES AND LEASE PERFORMANCE OBJECTIVES**

- Improve operational efficiency by digitizing manual lease management
- Provide transparency and real-time visibility into lease data
- Enhance communication between tenants and property managers
- Support better decision-making through reporting and analytics
- Ensure system stability and ease of use for non-technical users
- Maintain long-term sustainability with modular and scalable design

The objective is to deliver a reliable MVP (Minimum Viable Product) that solves immediate pain points and forms the foundation for future enhancements.

## **2.6 DATA MODEL AND SECURITY MODEL**

### **A. DATA MODEL DESIGN**

The data model is the backbone of the Lease Management System. It defines how data is structured, stored, and linked across the application. The model ensures efficient data retrieval and clear relationships between different business entities.

#### **Core Entities:**

- **Users:** Stores login credentials and role information (Admin, Property Manager, Tenant)
- **Tenants:** Contains personal information, lease history, contact details, and tenant-specific notes
- **Properties:** Stores property details like ID, name, address, and ownership information
- **Leases:** Connects tenants to properties and includes start/end dates, rent amount, and lease status

- **Payments:** Tracks payment records including amount, due date, payment status, method, and remarks Relationships:

- One Property → Many Leases
- One Tenant → Many Leases (historical)
- One Lease → Many Payments

These relationships ensure a normalized, scalable data structure that supports reporting and performance optimization.

## **B. SECURITY MODEL DESIGN**

Given the sensitivity of lease and financial data, the system incorporates strong security practices to safeguard information and ensure data privacy.

- **User Authentication:**

A secure login system requiring valid username and password combinations, with session control to prevent unauthorized access.

- **Role-Based Access Control (RBAC):**

Users are assigned roles which define what data they can view or modify.

- Tenants can view their own leases and payments.
- Property Managers can manage leases, payments, and tenant profiles.
- Admins have full access to all modules.

- **Data Encryption:**

Sensitive information (e.g., payment methods, user credentials) is encrypted both during transmission (SSL/TLS) and at rest in the database.

- **Audit Logging:**

Every critical operation (e.g., lease updates, payment status changes) is recorded for traceability. This ensures accountability and helps in debugging or compliance.

• **Input Validation & Protection:**

All user input is validated to prevent common web vulnerabilities such as:

- SQL Injection
- CrossSite Scripting (XSS)
- CSRF (Cross-Site Request Forgery)

These security layers protect the system from unauthorized access, data loss, and malicious attacks, ensuring the platform is trustworthy and compliant with best practices.



## PHASE 3

### PROJECT DESIGN

### 3.1 SETUP ENVIRONMENT & DEVOPS WORKFLOW

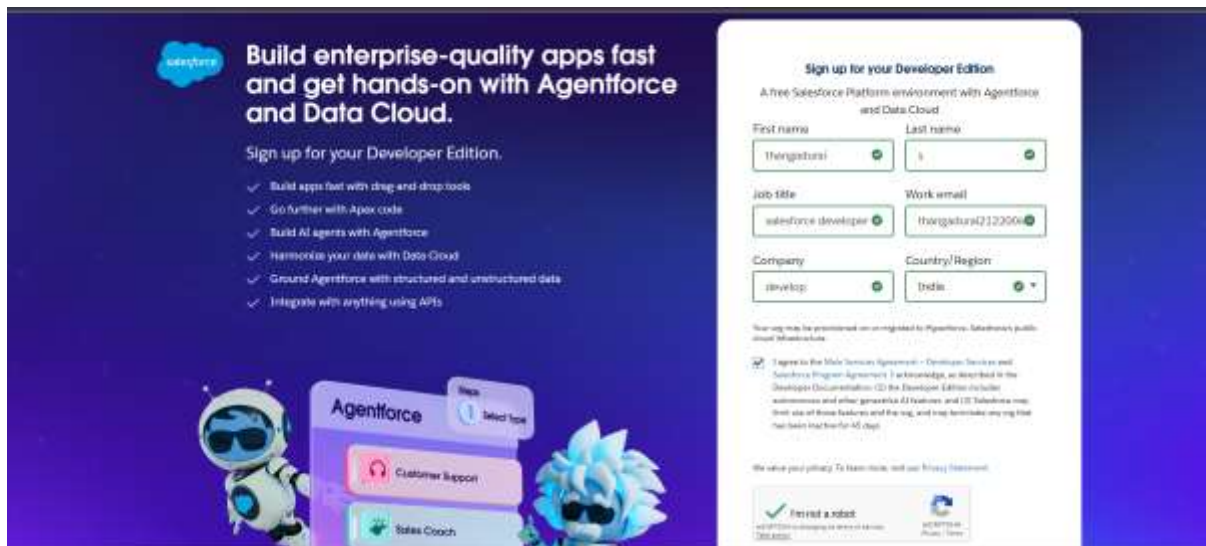
#### MILESTONE 1- SALESFORCE ACCOUNT

We established a robust Salesforce development environment using **Developer Org Strategy**- Created Developer Org sandboxes for development and testing.

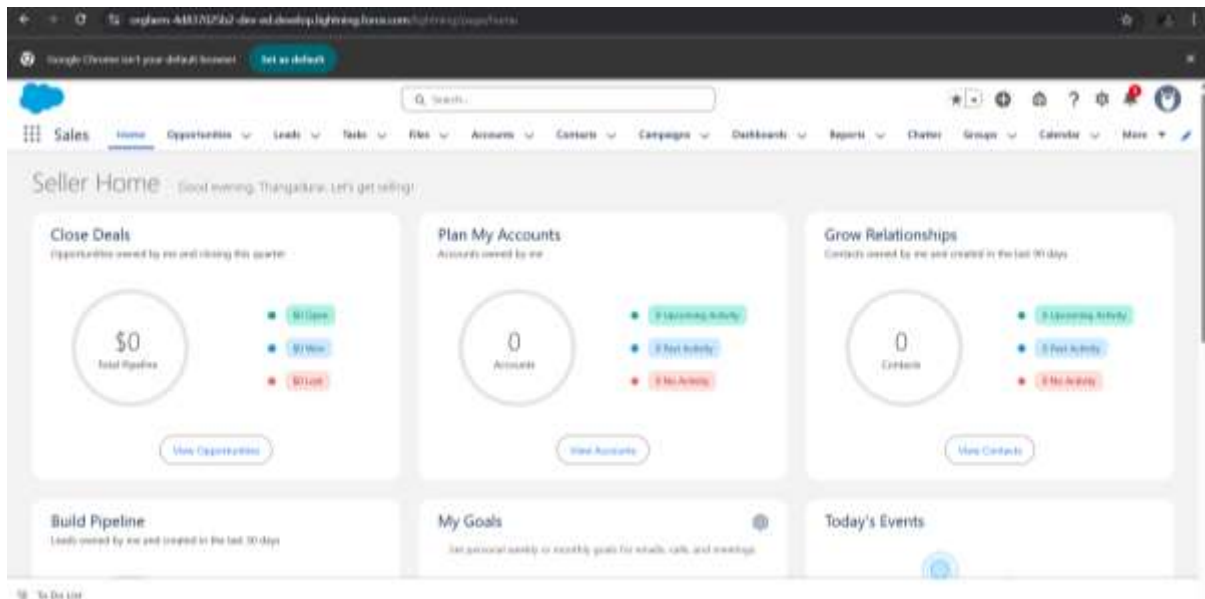
We can create a Developer Org using this official Salesforce link:  
<https://developer.salesforce.com/signup>

- **Source Control:** Used GitHub to manage code versions, collaborate with the team, and track all changes efficiently.
- **Deployment Tools:** Utilized Change Sets and Salesforce DX (SFDX CLI) to deploy components between Sandbox and Production environments.
- **Testing Environment:** All features were validated in the Sandbox to ensure quality and stability before live deployment.

This setup supports faster development, safer releases, and better tracking of changes during the entire project lifecycle.



Now, enter your credentials to login into the Salesforce Developer Org.



## 3.2 CUSTOMIZATION OF OBJECTS

Salesforce's declarative tools are used to customize the system:

### MILESTONE 2 - OBJECTS

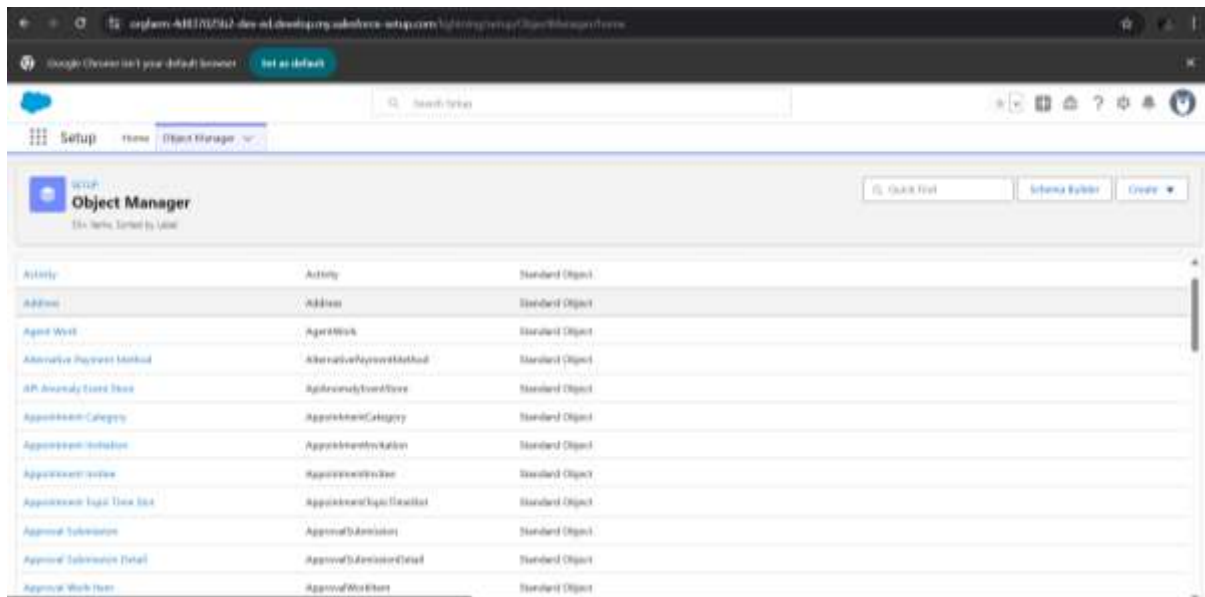
To model lease data, the following custom objects are created:

- **Property**
- **Tenant**
- **Lease**
- **Payment**

Salesforce's declarative tools were used to create custom objects tailored to the Lease Management System.

These objects include **Property, Tenant, Lease, and Payment**, each representing core business data.

They enable structured storage and management of lease-related records. Custom fields, relationships, and validations were added to meet specific project needs.



The screenshot shows the Salesforce Object Manager interface. At the top, there's a navigation bar with 'Setup' and 'Object Manager' tabs. Below the navigation bar, there's a search bar and a 'Create' button. The main content area displays a list of standard objects, each with a link to its detail page. The objects are listed in a table format with columns for the object name and its type.

Object Name	Type
Address	Standard Object
Agent Work	Standard Object
Alternative Payment Method	Standard Object
API Assembly Event Store	Standard Object
Appointment Category	Standard Object
Appointment Invitation	Standard Object
Appointment Invite	Standard Object
Appointment Logic Flowchart	Standard Object
Approval Submission	Standard Object
Approval Submission Detail	Standard Object
Approval Work Item	Standard Object

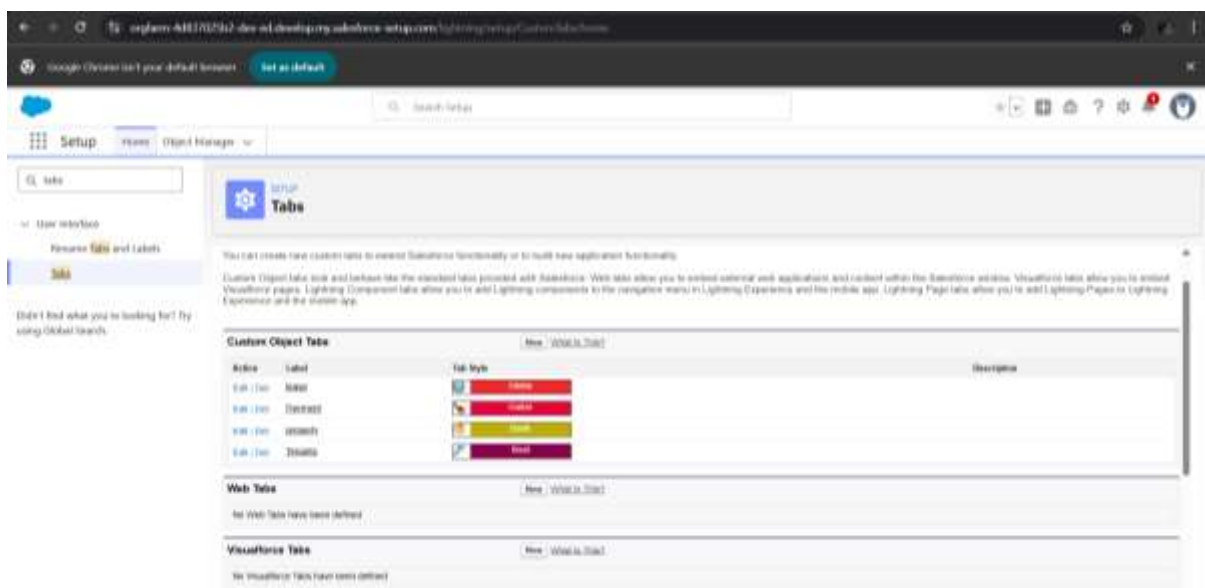
## 3.3 CUSTOMIZATION OF TABS

### MILESTONE 3 - TABS

Lightning Record Pages were customized for each object to improve how data is displayed to users:

- **Use of Tabs:** Tabs were used to organize related information clearly within the record page, ensuring a clean and structured layout.

This setup creates a simple, role-friendly interface, making navigation easier and enhancing the overall user experience.



The screenshot shows the Salesforce Setup interface, specifically the 'Tabs' section. The left sidebar contains navigation links for 'Setup', 'Object Manager', and 'User Interface'. The main content area is titled 'Tabs' and includes a sub-header 'Custom Object Tabs'. Below this, there's a table listing custom object tabs with columns for 'Object', 'Label', and 'Tab Style'. The table shows four tabs: 'Address', 'Appointment', 'Approval', and 'Appointment'. Each tab has a corresponding icon and a description. Below the table, there are sections for 'Web Tabs' and 'Visualforce Tabs', both indicating that no tabs have been defined for those types.

Object	Label	Tab Style	Description
Address	Address	Standard	
Appointment	Appointment	Standard	
Approval	Approval	Standard	
Appointment	Appointment	Standard	

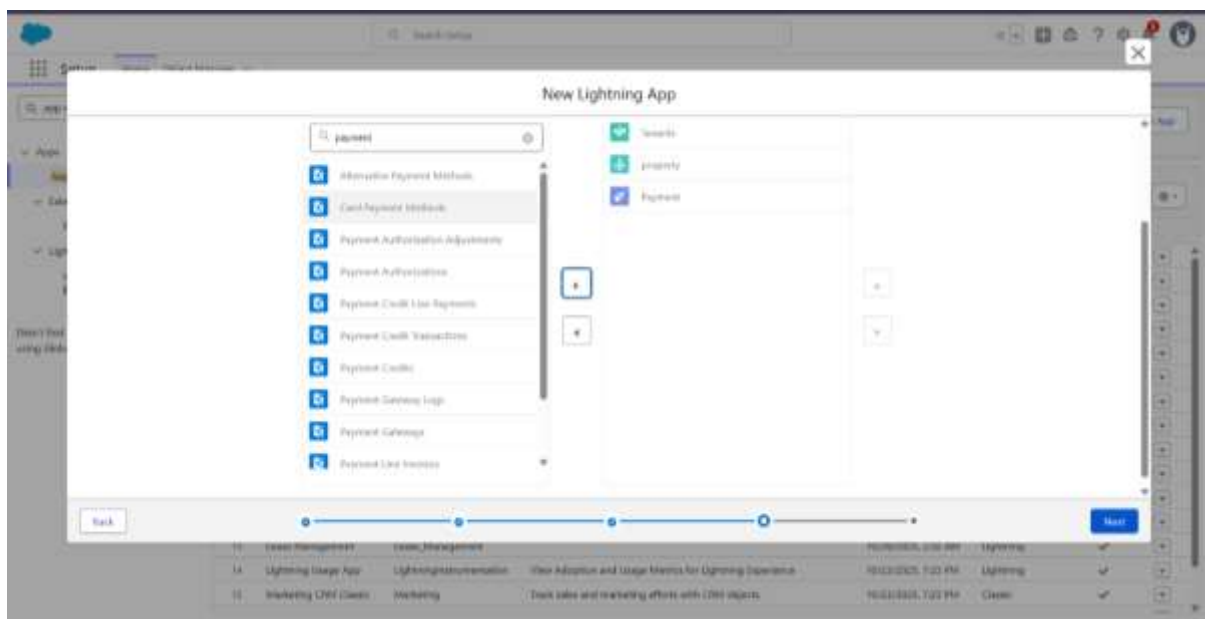
## 3.4 LIGHTNING APP SETUP THROUGH APP MANAGER

### MILESTONE 4: THE LIGHTNING APP

Using App Manager, a custom “**Lease Management**” Lightning App is created with a branded name, logo, and navigation items such as:

- Tenants
- Properties
- Payments

This setup ensures quick access to all key objects in one place, improving user workflow.



The next step involves in selecting the system administrator as the default user for the user profiles.

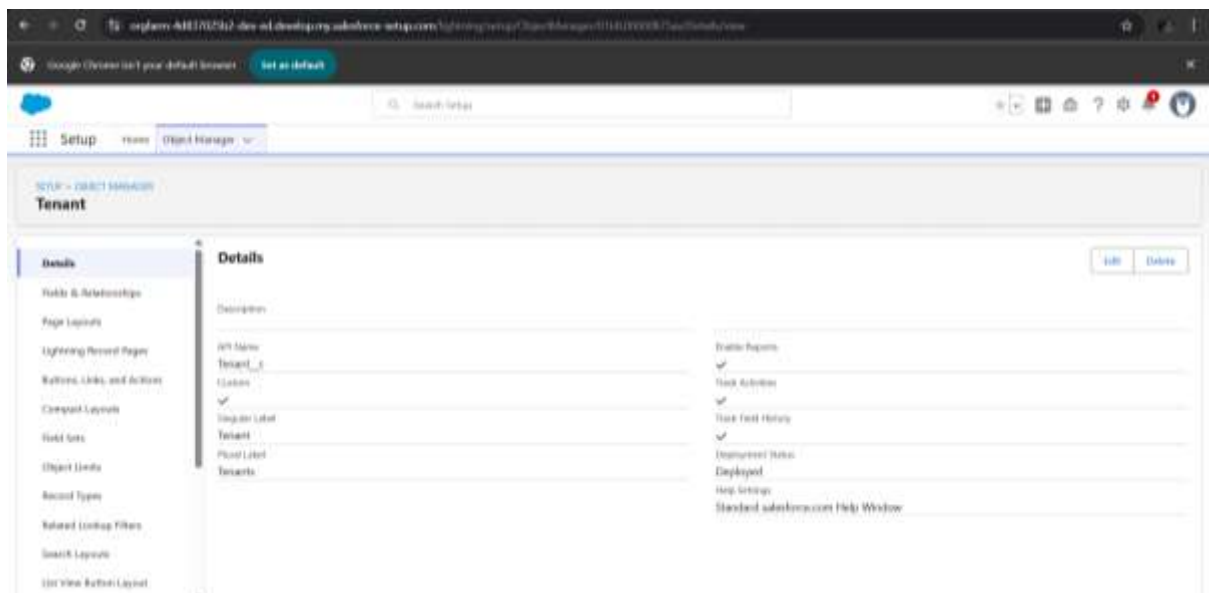
## 3.5 CUSTOMIZATION OF FIELDS

### STONE 5 - FIELDS

Each object has custom fields such as:

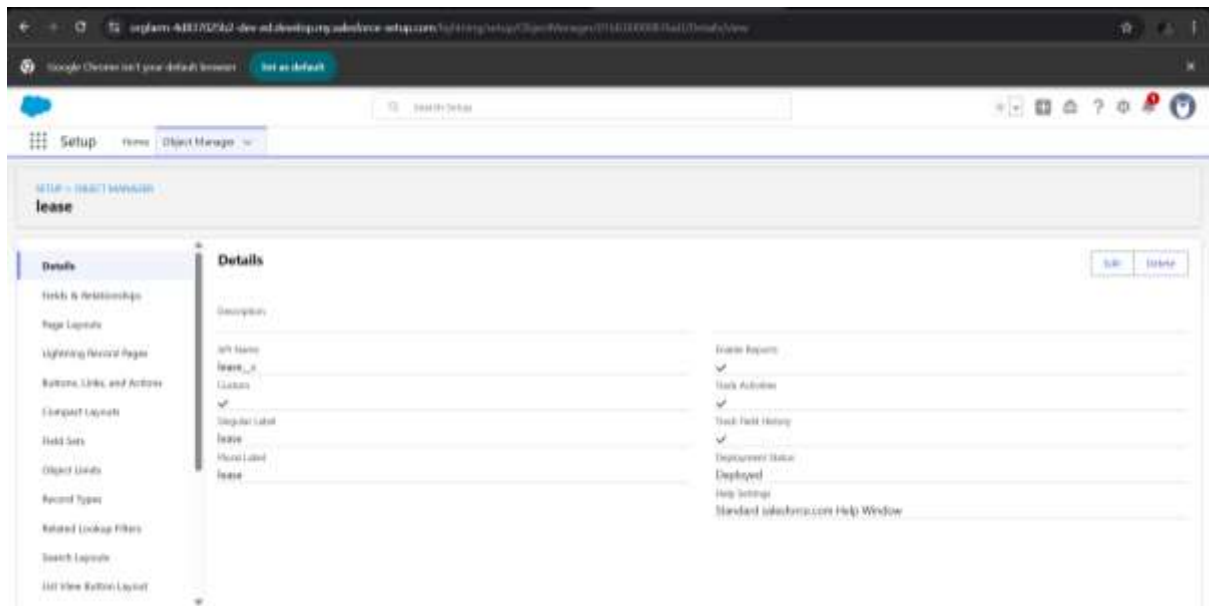
➤ **Tenant:**

- Email\_\_c
- Phone\_\_c
- Property\_\_c
- Status\_\_c



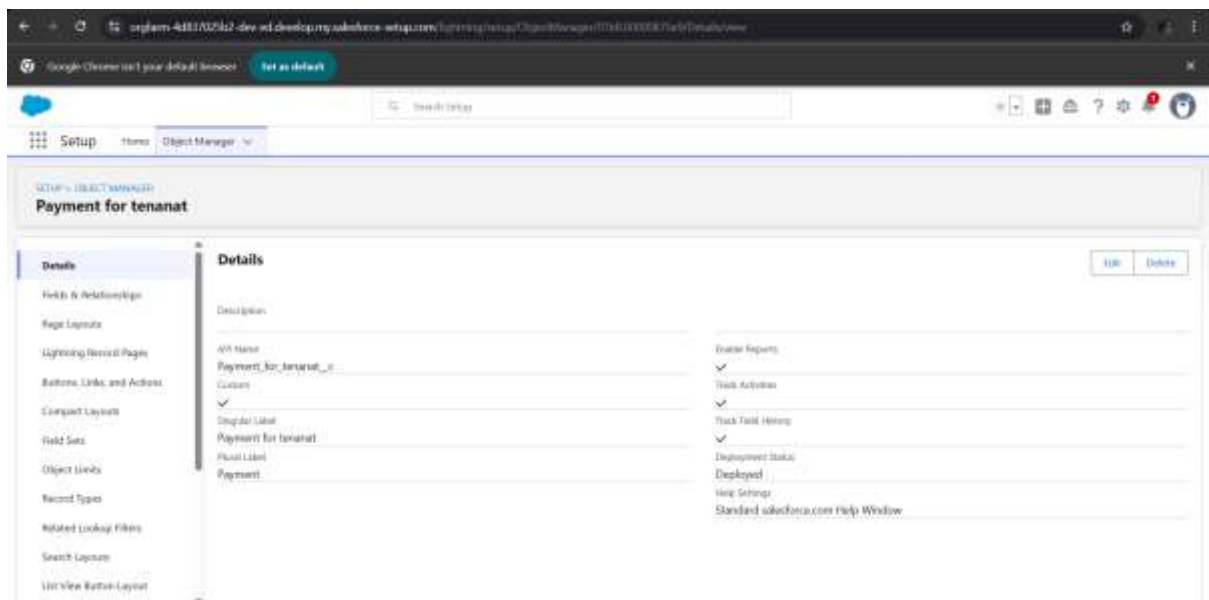
➤ **Lease:**

- End\_date\_\_c
- Property\_\_c
- Start\_date\_\_c



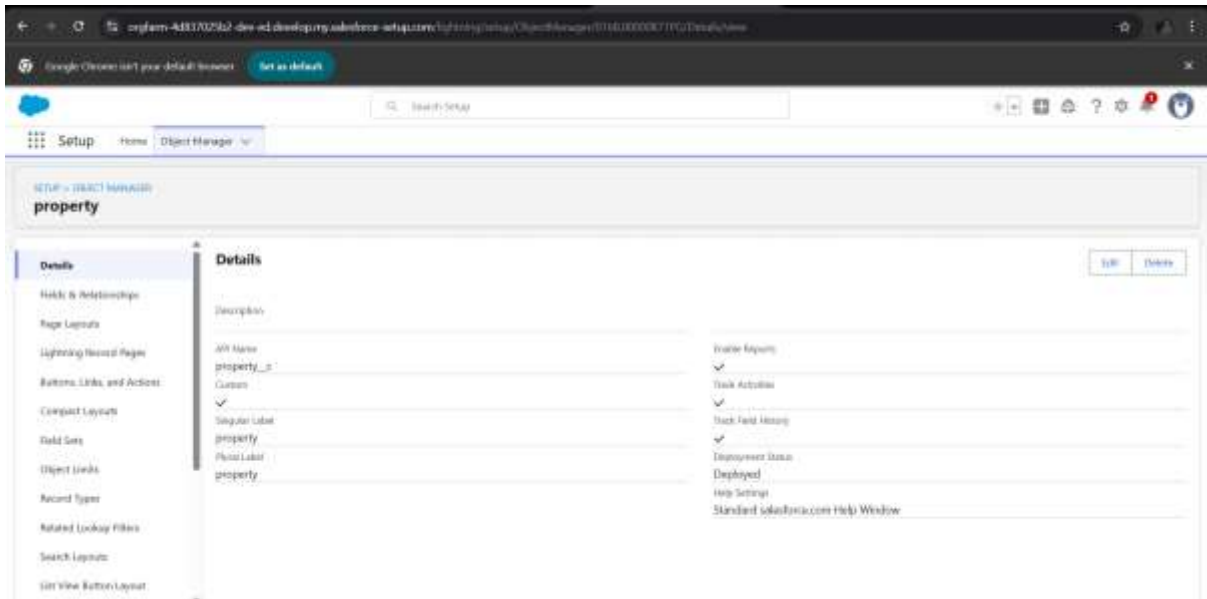
### ➤ Payment For Tenant:

- Amount\_\_c
- Payment\_date\_\_c
- Check\_for\_payment\_\_c
- Property\_\_c
- Tenant\_\_c



### ➤ Property:

- Address\_\_c
- Name\_\_c
- Sqft\_\_c
- Type\_\_c



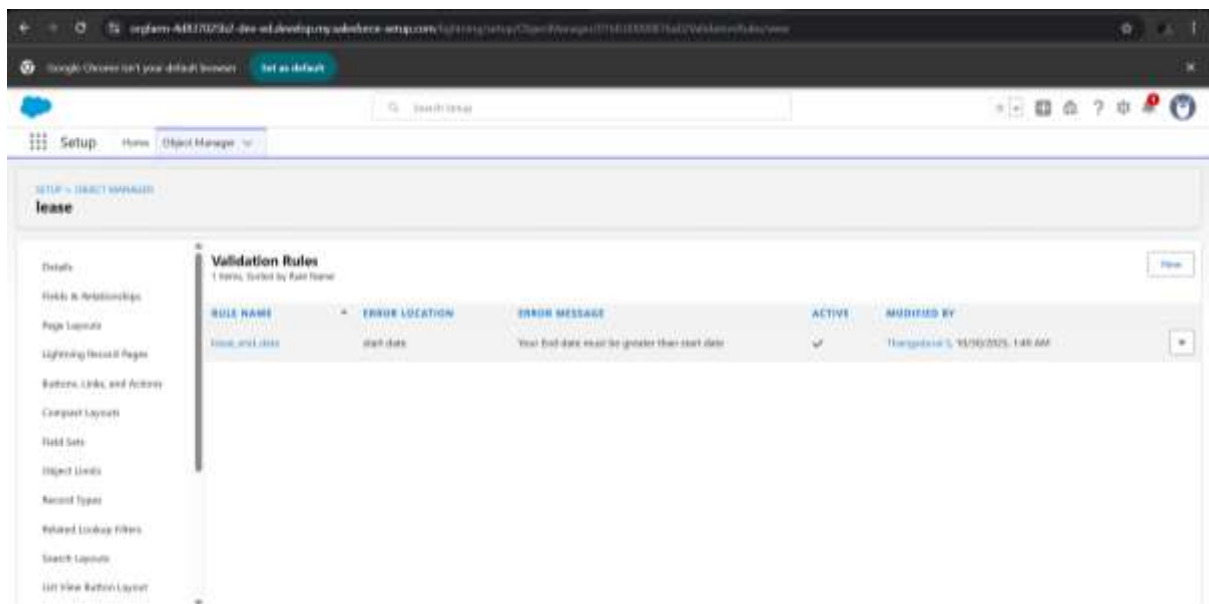
## 3.6 VALIDATION RULES

### MAILESTONE 6 - VALIDATION RULE

Validation rules ensure data accuracy.

#### Examples:

- Lease end date must be after the start date.
- Rent amount must be greater than zero.
- Payment date cannot be in the future (unless marked as scheduled).

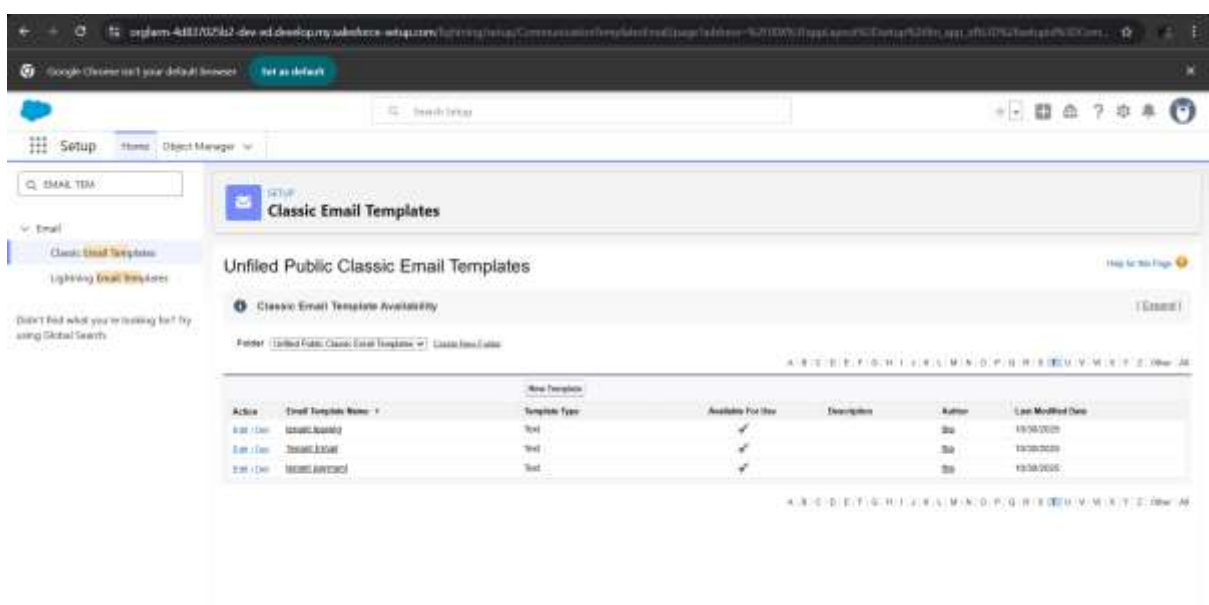


## MILESTONE 7: EMAIL TEMPLATES

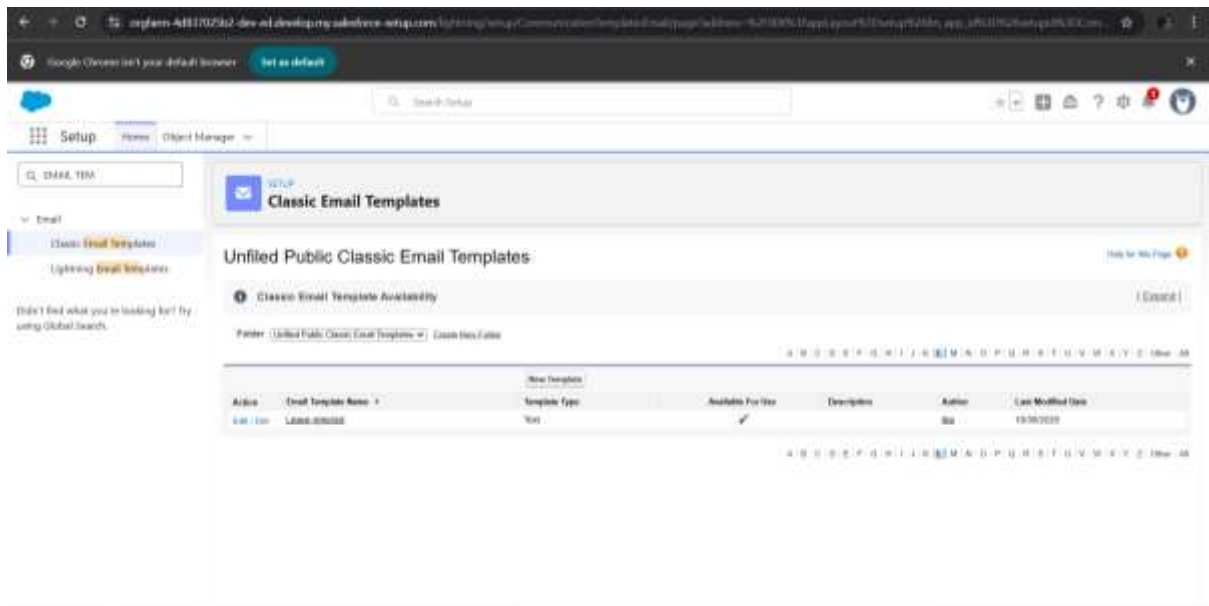
To ensure timely reminders for rent payments, a scheduled Apex class was developed and tested. The scheduler runs monthly on the 1st day to send payment reminder emails. Testing involved:

- Manually triggering the scheduled job to simulate its execution.
- Verifying emails were dispatched to all tenants with pending payments.

Test documentation includes logs from the scheduler and screenshots of sent emails.

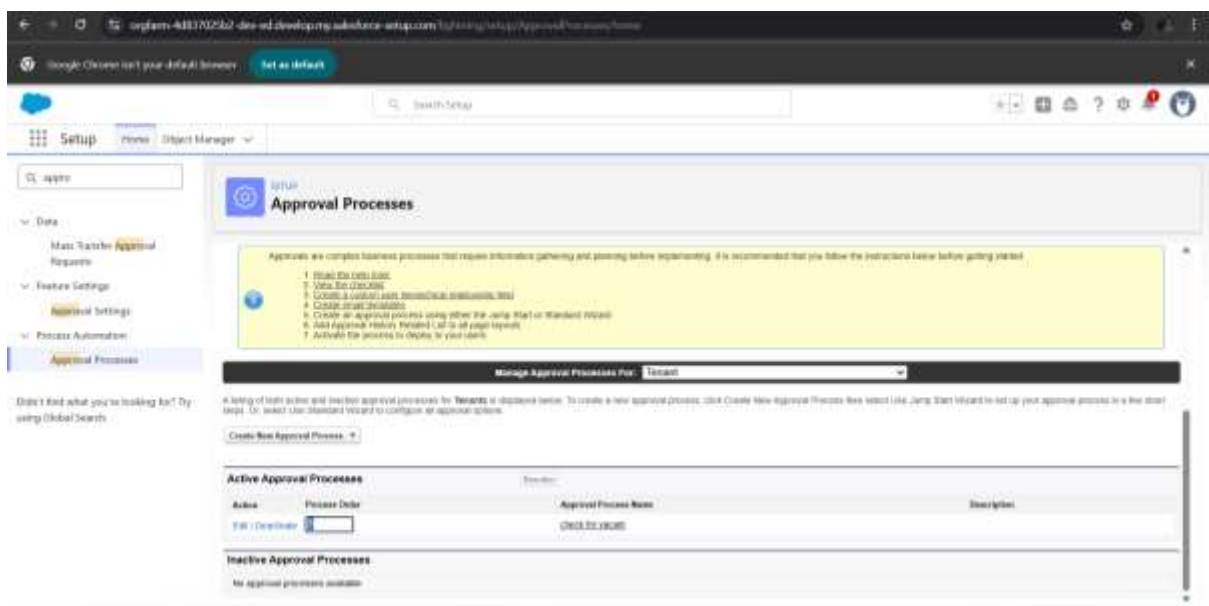


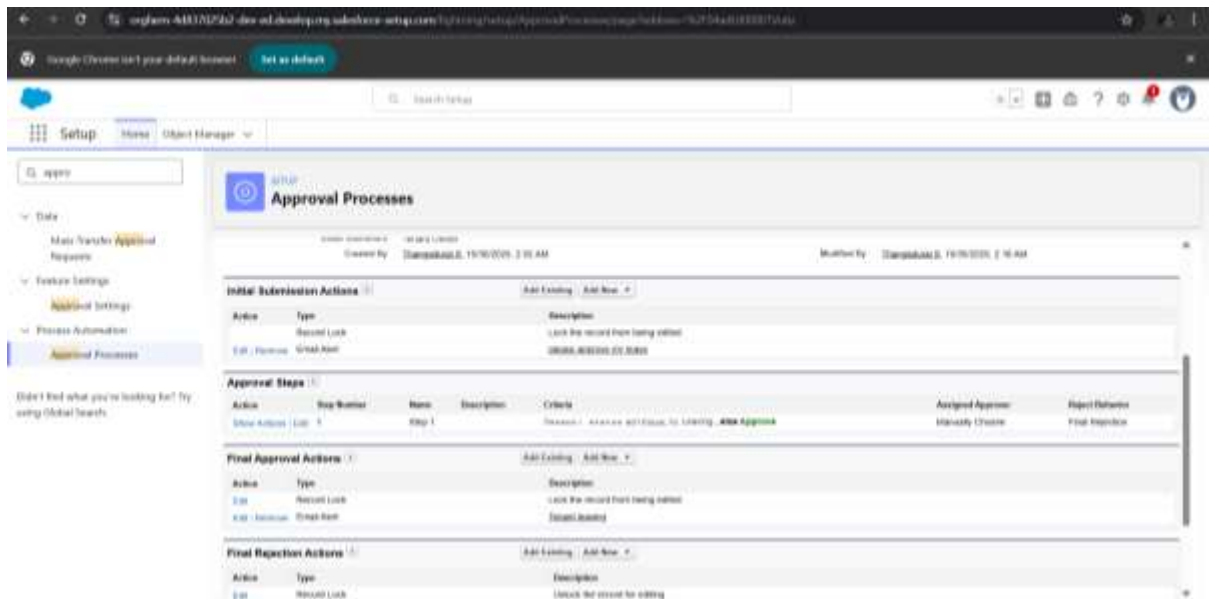




➤ **Approval Processes:** Used for scenarios like lease renewal approval by a manager.

## MILESTONE 8 - APPROVAL PROCESS





## 3.7 APEX TRIGGERS

### MILESTONE 9 - APEX TRIGGER

When point-and-click tools are not enough, Apex programming is used to implement custom logic.

Triggers are used to perform actions automatically when a record is inserted, updated, or deleted.

#### Example:

- On creation of a Lease record, auto-generate a related Payment schedule.
- On Payment update, update Lease status if fully paid.

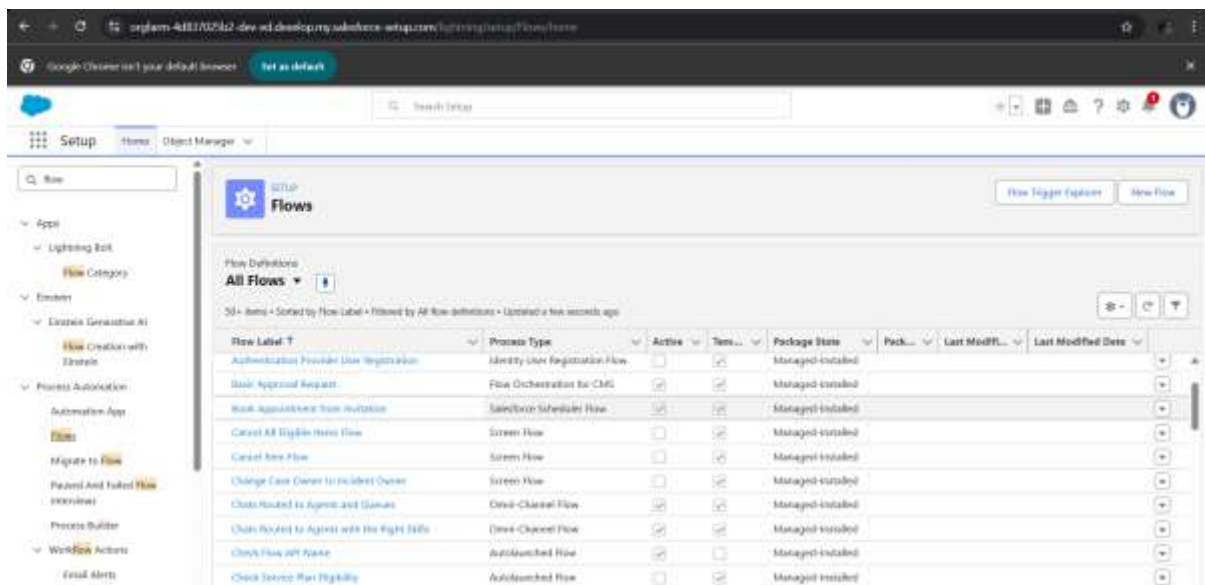
```
url:am-4007029d2-dev.adf.devops.sabotrex.com/_id/development/debug/Type/3/Type
Google Chrome isn't your default browser. Set as default

File Edit View Settings Help
Toolbox testHandler.jsp
Code (Coverage View) API Window JS
1 public class testHandler {
2
3     public static void preventInsert(list<Tenant_c> newlist) {
4         Set<Id> existingPropertyIds = new Set<Id>();
5
6         for (Tenant_c existingTenant : [SELECT Id, property__c FROM Tenant__c WHERE property__c != null]) {
7             existingPropertyIds.add(existingTenant.property__c);
8         }
9
10        for (Tenant_c newTenant : newlist) {
11
12
13
14
15
16
```

## 3.8 AUTOMATION TOOLS

➤ **Flows:** Used to collect tenant input, auto-create payment records, and send reminders.

## MILESTONE 10 - FLOWS



The screenshot displays the Salesforce Flow Builder interface. On the left is a navigation pane with a search bar and a tree view containing categories like 'App', 'Lightning Bolt', 'Flow Category', 'Event', 'External Generation AI', 'Flow Creation with Einstein', 'Process Automation', 'Automation App', 'Flow', 'Migrate to Flow', 'Payment and Invoicing', 'Process Builder', and 'Workflow Actions'. The main area is titled 'Setup Flows' and shows a list of flow definitions. The list includes columns for 'Flow Label', 'Process Type', 'Active', 'Ten...', 'Package State', 'Pack...', 'Last Modif...', and 'Last Modified Date'. The flows listed are: 'Authentication Provider User Registration' (Identity User Registration Flow), 'Basic Approval Request' (Flow Orchestration for CMG), 'Work Approval Request Automation' (Salesforce Scheduler Flow), 'Cancel All Eligible Items Flow' (Screen Flow), 'Cancel New Flow' (Screen Flow), 'Change Case Owner to Incident Owner' (Screen Flow), 'Create Record to Agents and Quotas' (Data Channel Flow), 'Chain Request to Agents with the Right Skills' (Data Channel Flow), 'Check Flow API Name' (Autolaunched Flow), and 'Check Service Plan Eligibility' (Autolaunched Flow).

Flow Label	Process Type	Active	Ten...	Package State	Pack...	Last Modif...	Last Modified Date
Authentication Provider User Registration	Identity User Registration Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			
Basic Approval Request	Flow Orchestration for CMG	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			
Work Approval Request Automation	Salesforce Scheduler Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			
Cancel All Eligible Items Flow	Screen Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			
Cancel New Flow	Screen Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			
Change Case Owner to Incident Owner	Screen Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			
Create Record to Agents and Quotas	Data Channel Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			
Chain Request to Agents with the Right Skills	Data Channel Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			
Check Flow API Name	Autolaunched Flow	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			
Check Service Plan Eligibility	Autolaunched Flow	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Managed-Installed			



```
1 • global class MonthlyEmailScheduler implements Schedulable {
2
3 •   global void execute(SchedulableContext sc) {
4
5       Integer currentDay = Date.today().day();
6
7       if (currentDay == 1) {
8           sendMonthlyEmails();
9       }
10
11   }
12
13 }
14
15
16 •   public static void sendMonthlyEmails() {
```

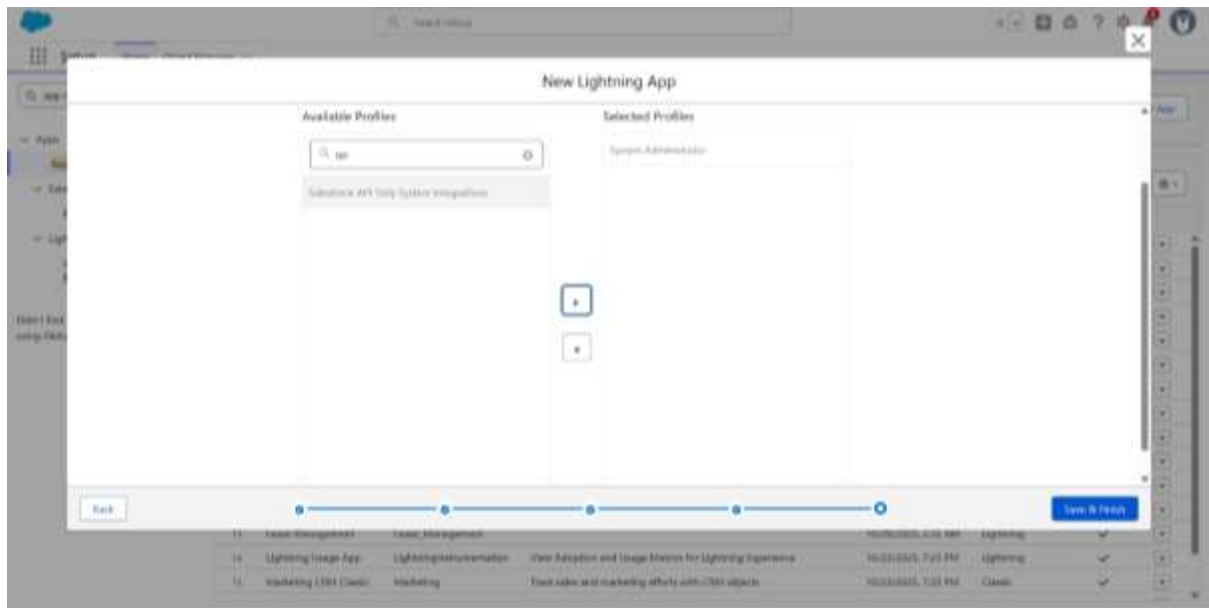
## 3.10 ASYNCHRONOUS APEX

### MILESTONE 11: SCHEDULE CLASS

Used when tasks take longer to run or need to happen in the background:

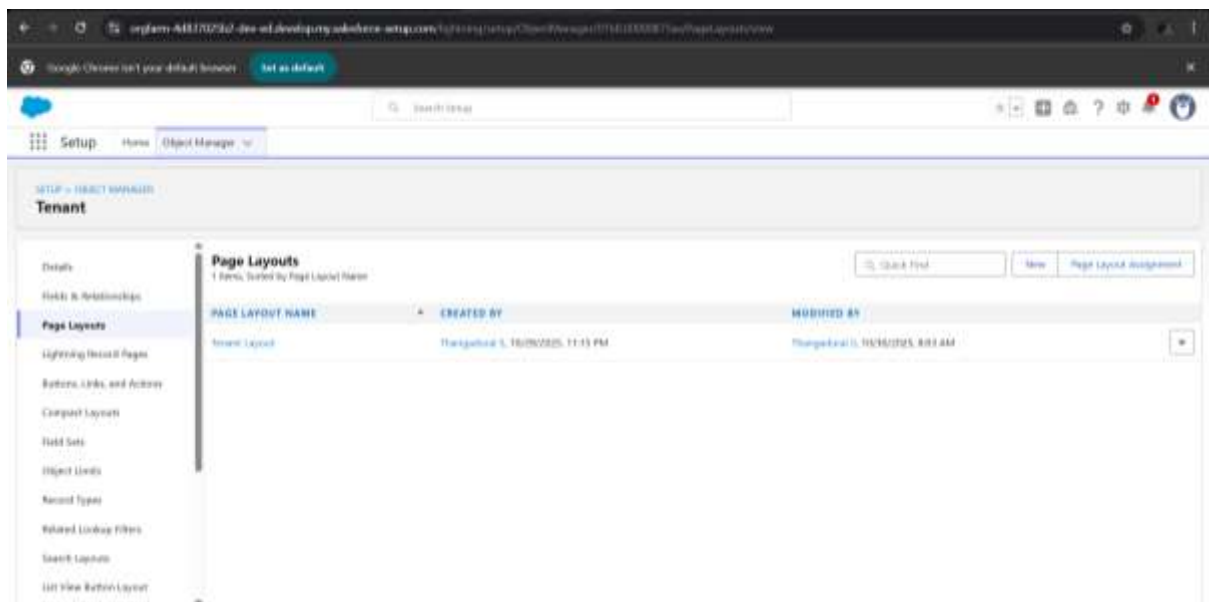
- **Scheduled Apex:** To check daily for upcoming lease expirations.

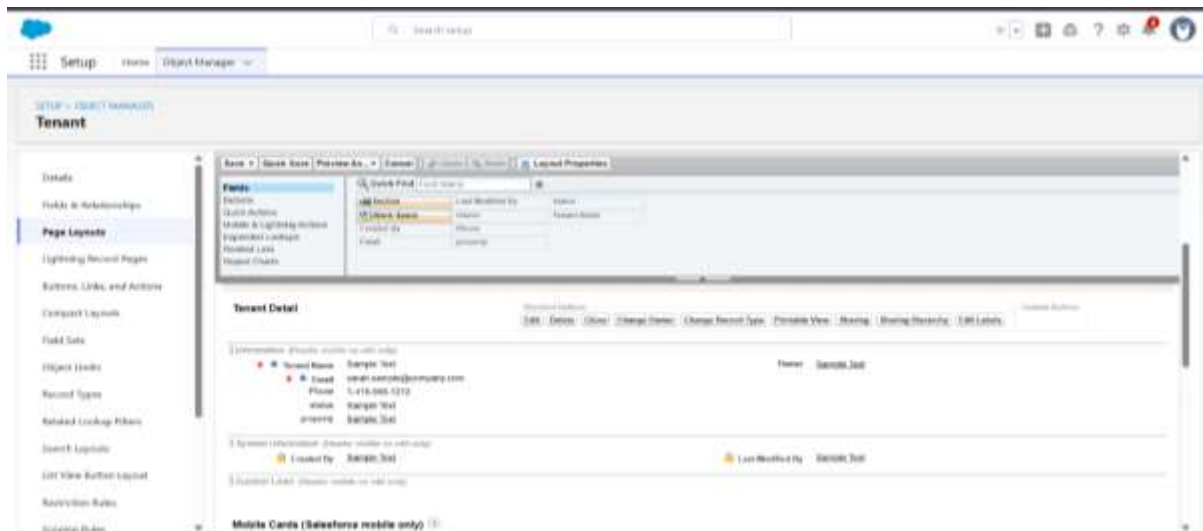
The screenshot shows the Salesforce Setup interface. On the left, the 'Setup' menu is open, and 'Apex Classes' is selected. The main content area is titled 'Schedule Apex' and contains a form for scheduling an Apex class. The form includes fields for 'Job Name' (MonthlyApexScheduler) and 'Apex Class' (MonthlyEmailScheduler). The 'Schedule Using' section has 'Scheduled System' selected. The 'Schedule Apex Execution' section shows a frequency of 'Monthly' and a start date of '11/1/2025'. The 'End' date is '12/1/2025' and the 'Preferred Start Time' is '9:00 AM'. The form also includes 'Save' and 'Cancel' buttons.



### 3.11 PAGE LAYOUTS AND DYNAMIC FORMS

Page Layouts are customized for Tenant object to display only relevant fields for each user type.





This ensures the interface stays clean and relevant for users, reducing clutter and confusion.

## PHASE 4

### PROJECT DEVELOPMENT

#### 4.1 DATA MIGRATION, TESTING & SECURITY

This phase covers the essential activities of migrating lease-related data into Salesforce, thorough testing of the developed features, and ensuring security measures are properly implemented. The objective is to guarantee data accuracy, system reliability, and protection of sensitive information before the system goes live.

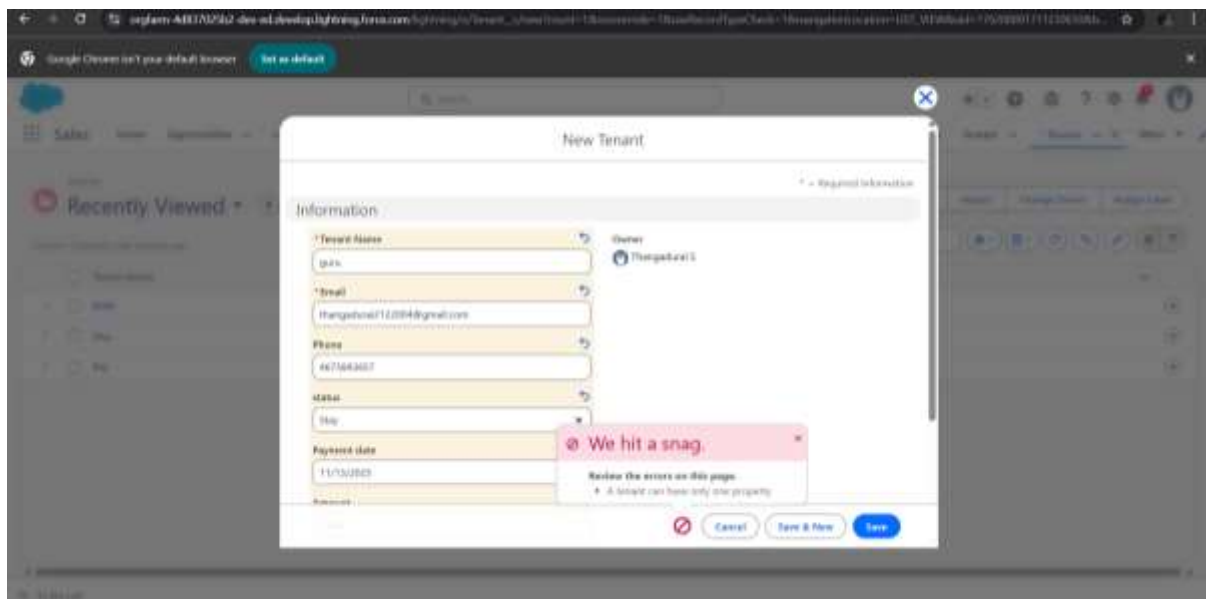
#### 4.2 APEX TRIGGER TESTING

A custom Apex trigger was developed to enforce the rule that each property can be assigned to only one tenant at a time.

##### To test this:

- A test class was created simulating insertion of tenant records.
- It confirmed successful creation when a property was free.
- It verified the trigger correctly throws an error if a property is already assigned, preventing data inconsistencies.

Test logs and results demonstrated the trigger's effectiveness in maintaining data integrity.



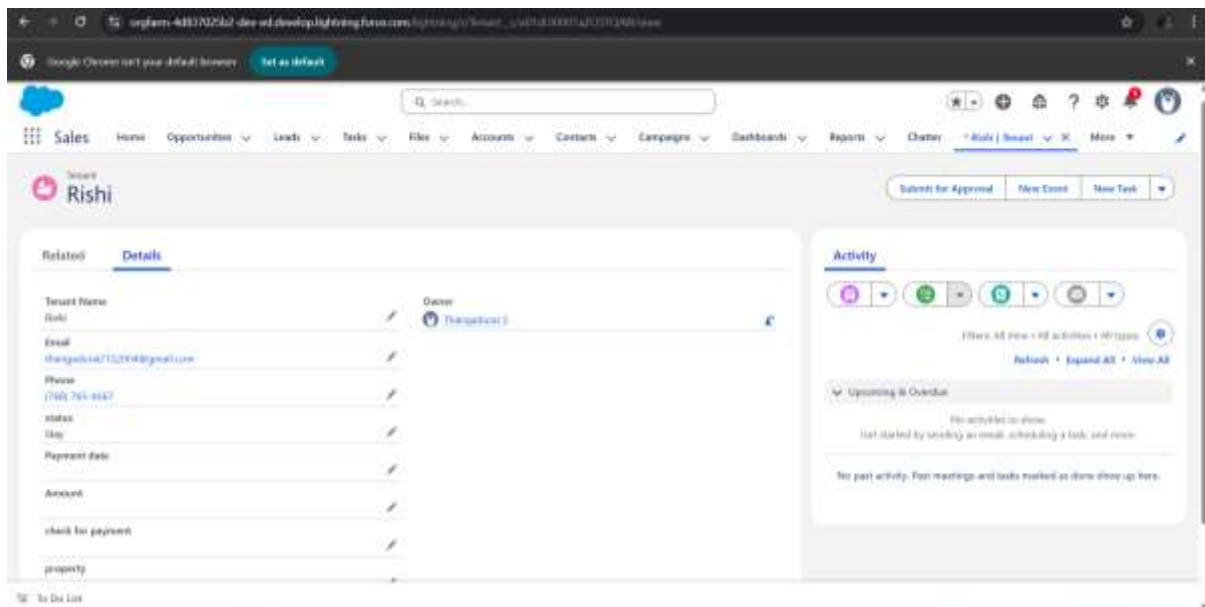


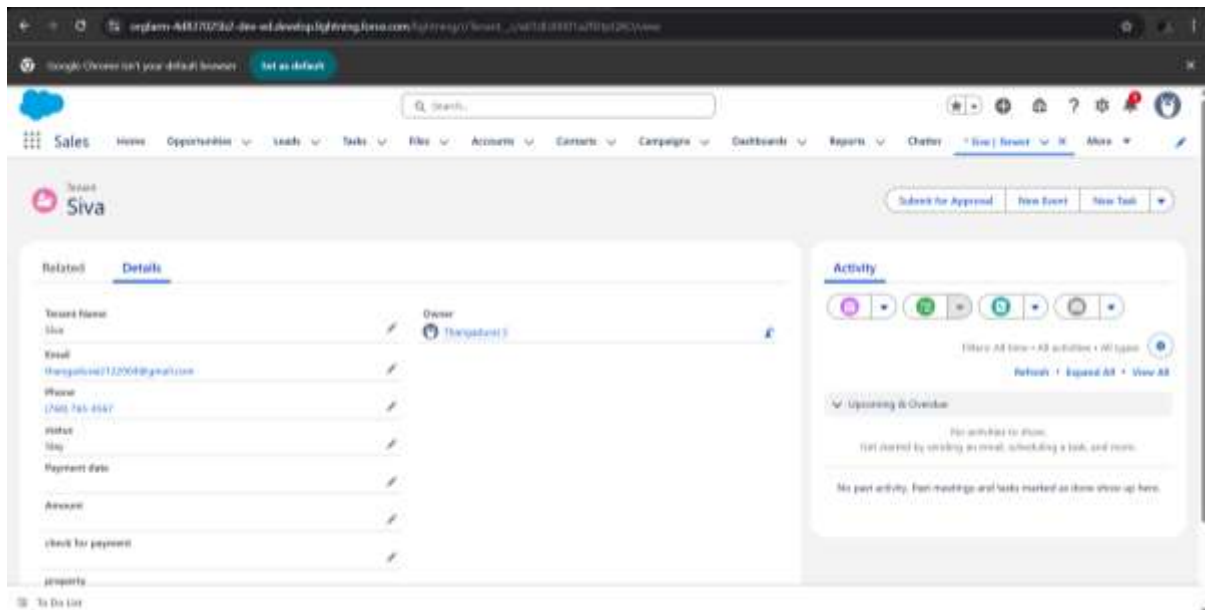
## 4.3 APPROVAL PROCESS TESTING

The tenant leave request approval workflow was tested through multiple scenarios:

- Submission of leave requests by tenants triggered the approval process.
- Approvers received real-time notifications and emails.
- Both approval and rejection paths were tested to ensure that tenant status updated accordingly, and the proper email templates were sent to notify tenants.

Screenshots of submission forms, approval screens, and notification emails are documented as evidence of successful workflow execution.





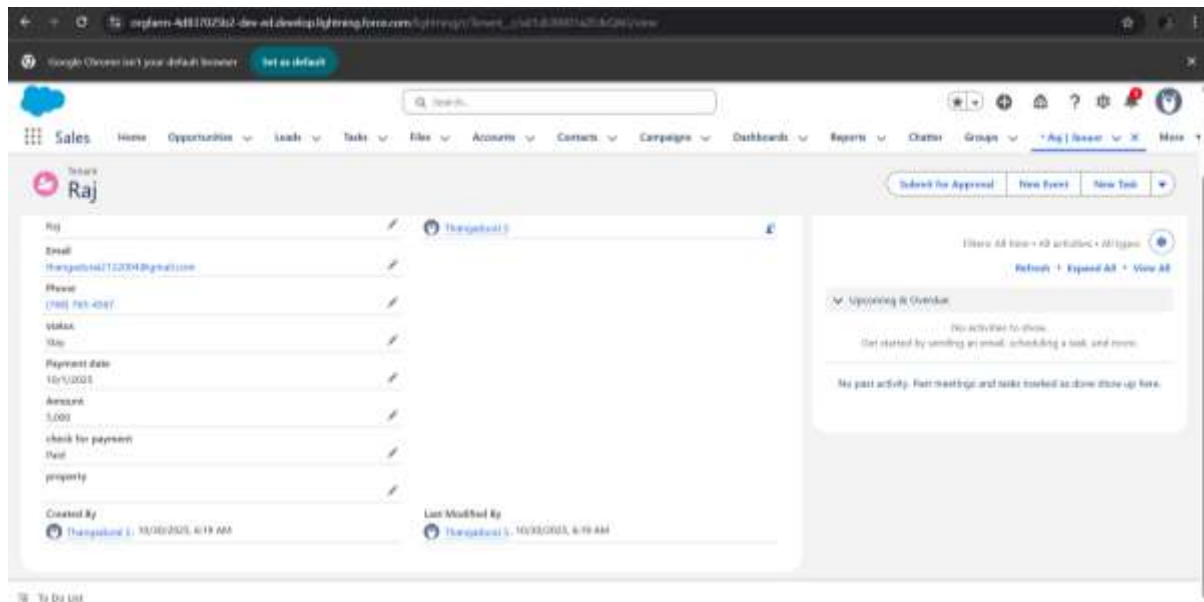
## 4.4 FLOW TESTING

The system includes a record-triggered flow that sends payment confirmation emails automatically when a tenant's payment status changes to "paid."

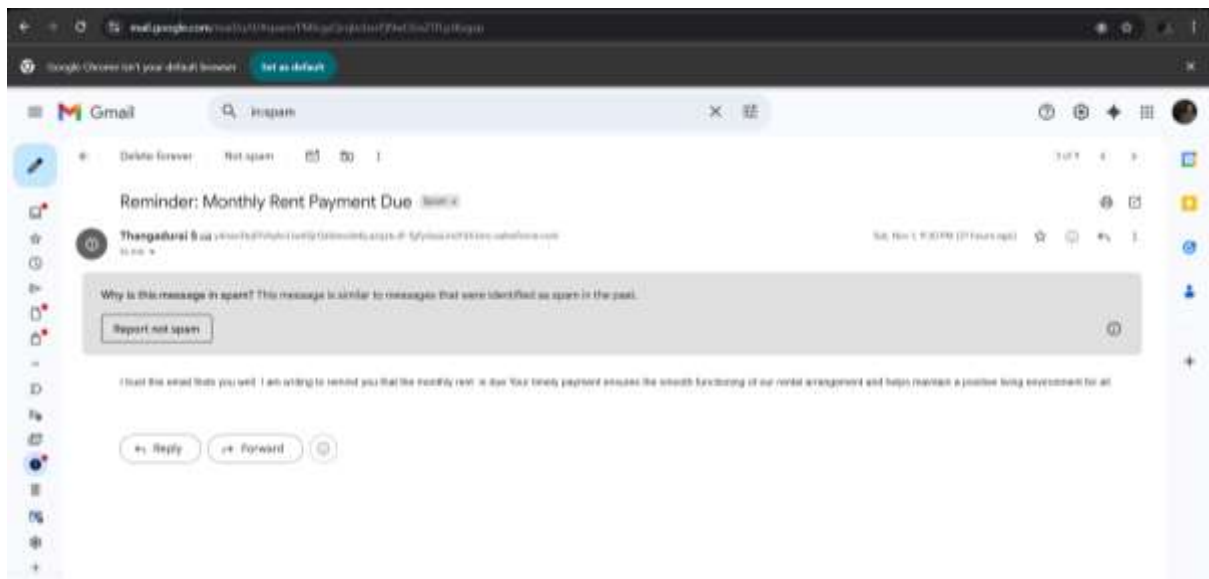
### Testing involved,

- Updating payment records to "paid" status.
- Monitoring flow execution in Salesforce.
- Confirming that tenants received correctly formatted confirmation emails.

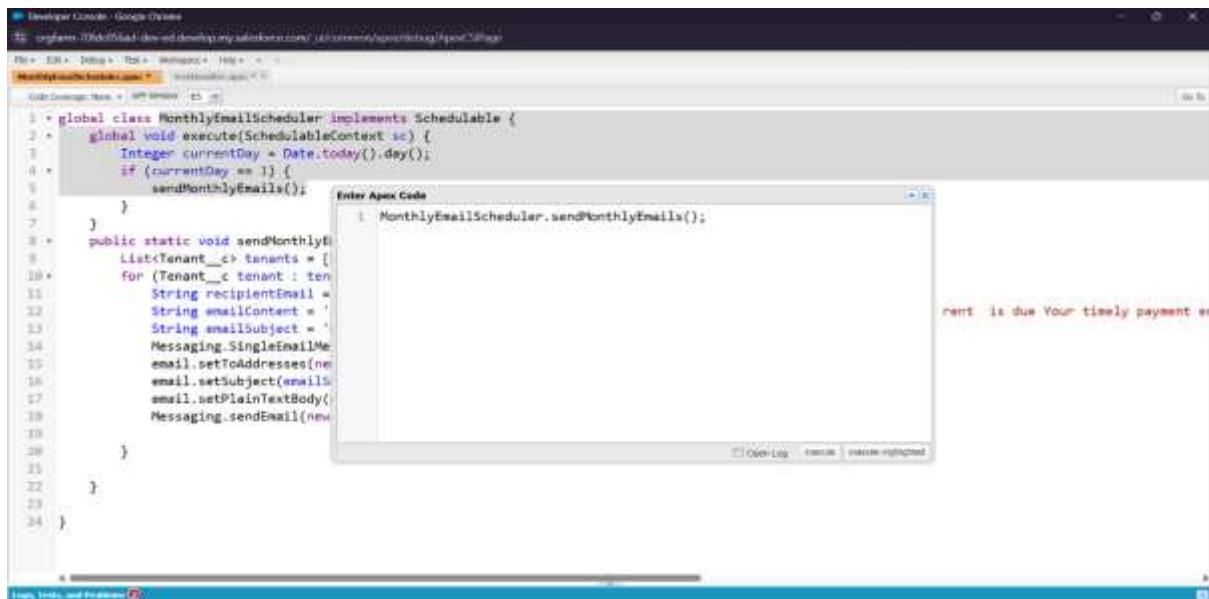
This automated communication improves tenant engagement and reduces manual workload.



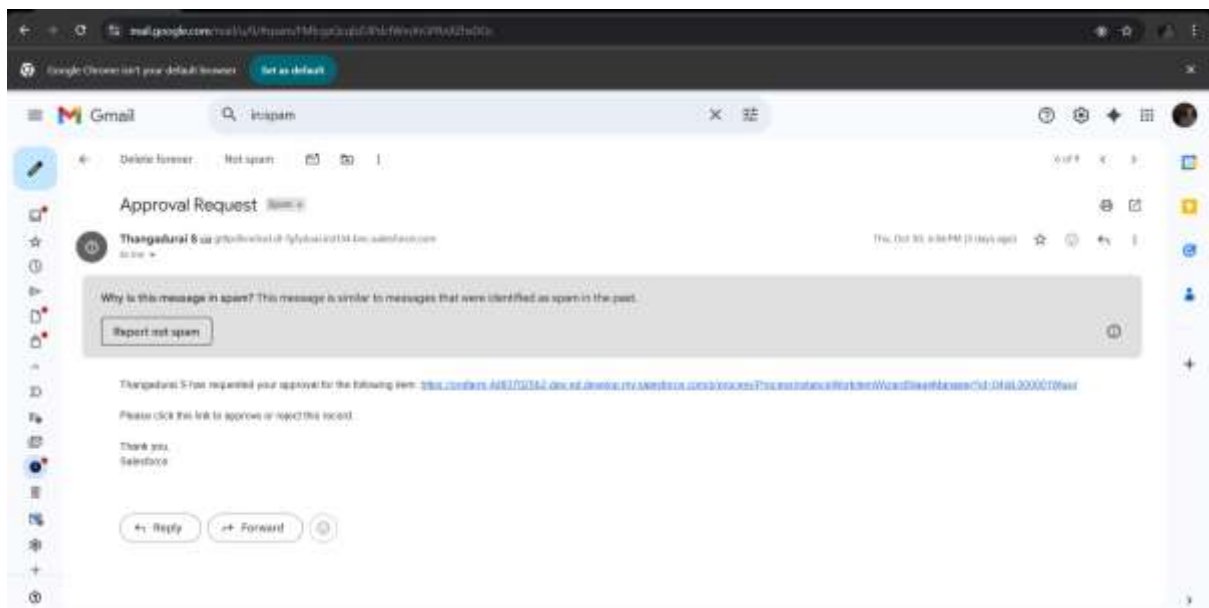
A confirmation mail received to the tenant about the payment of the monthly rent.

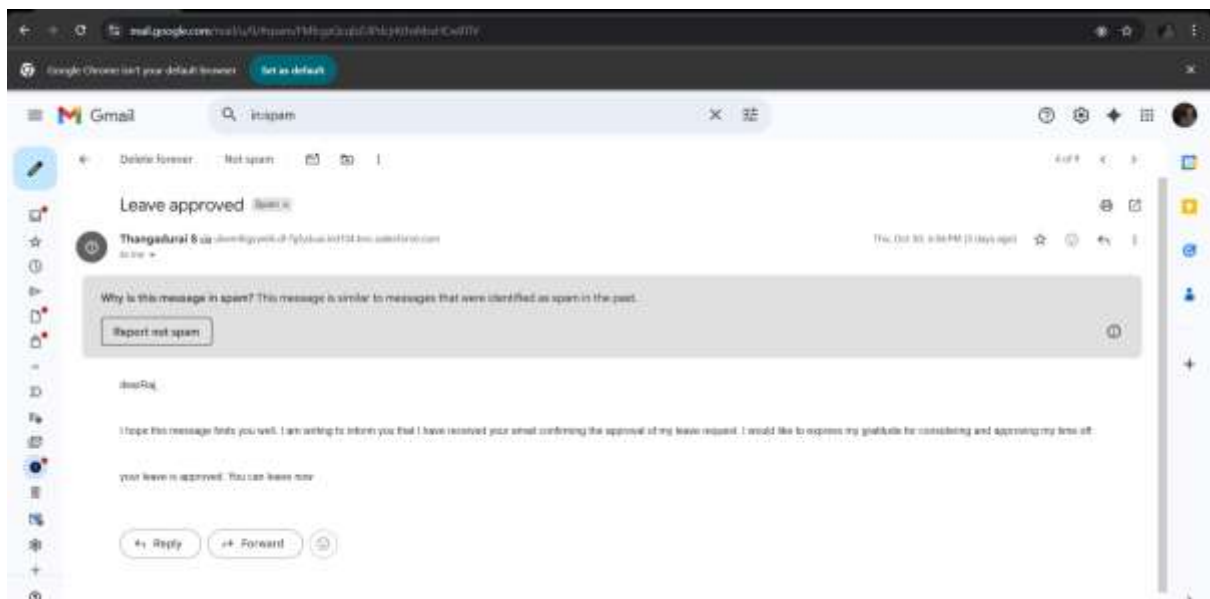
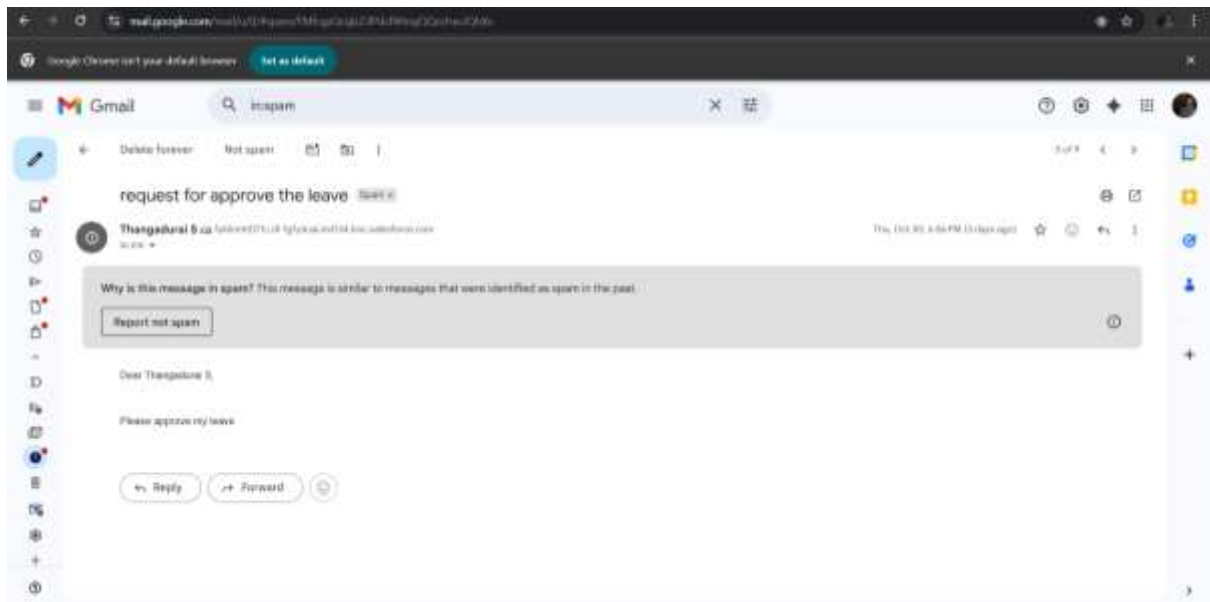


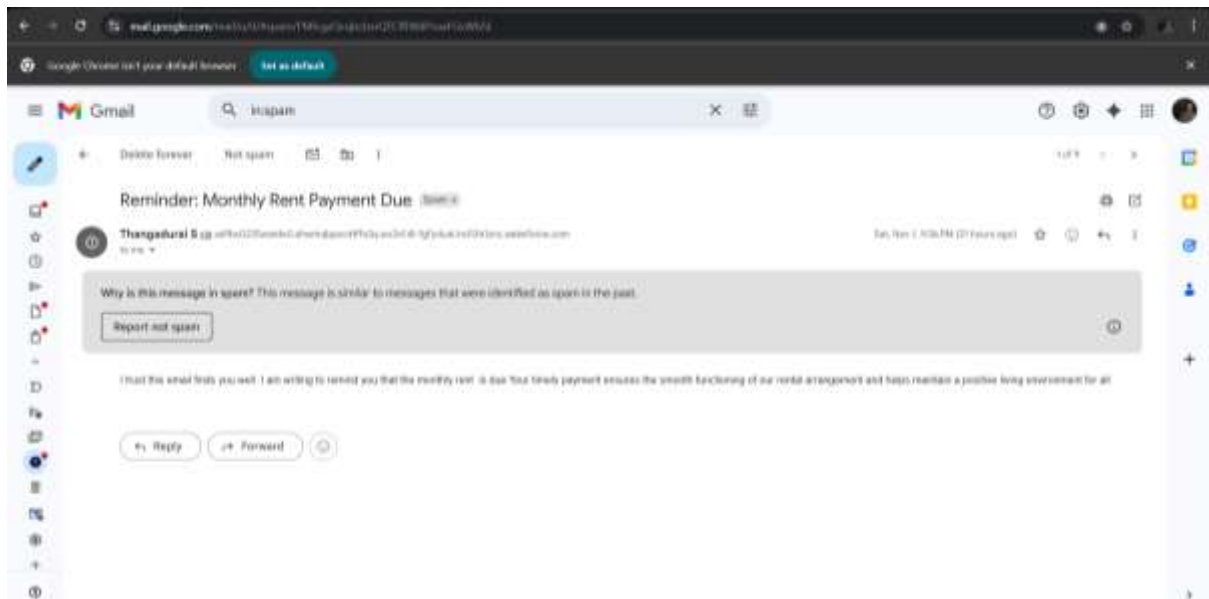
## 4.5 SCHEDULED APEX TESTING



The execution of the MonthlyEmailScheduler class.





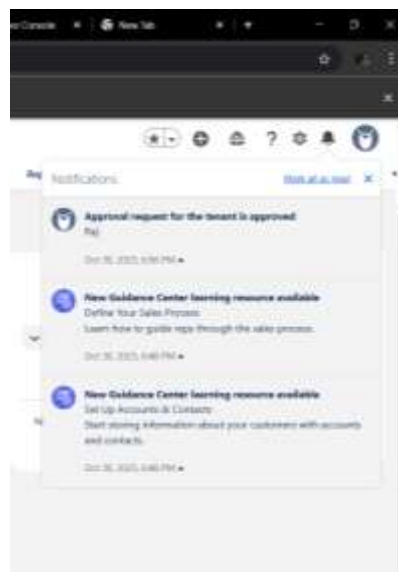


## 4.6 DOCUMENTATION AND EVIDENCE

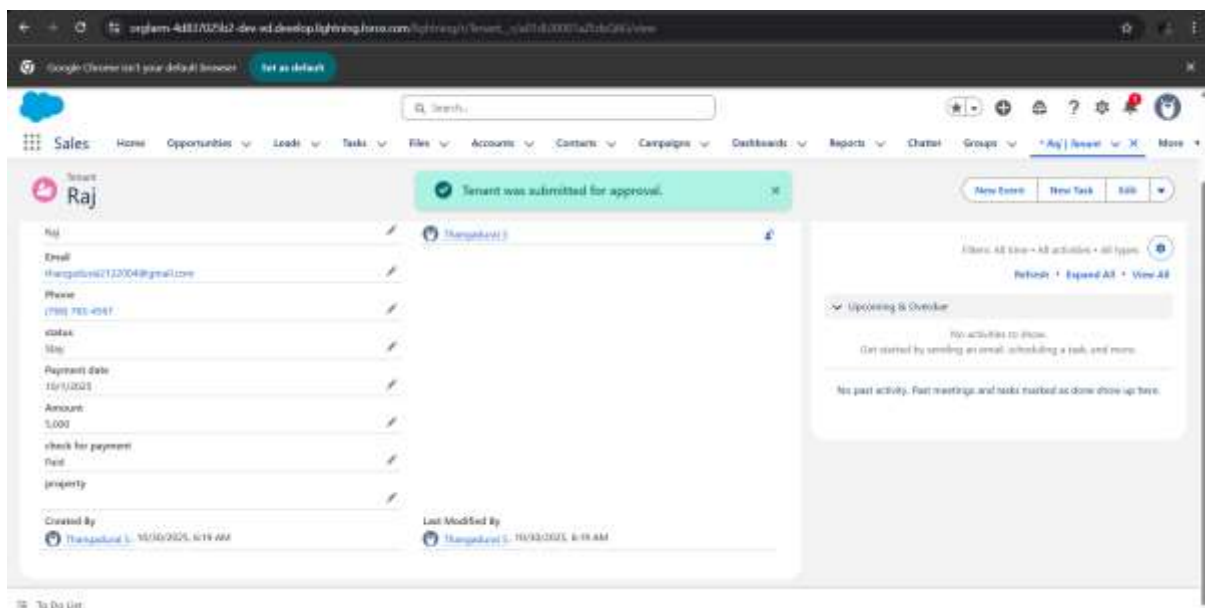
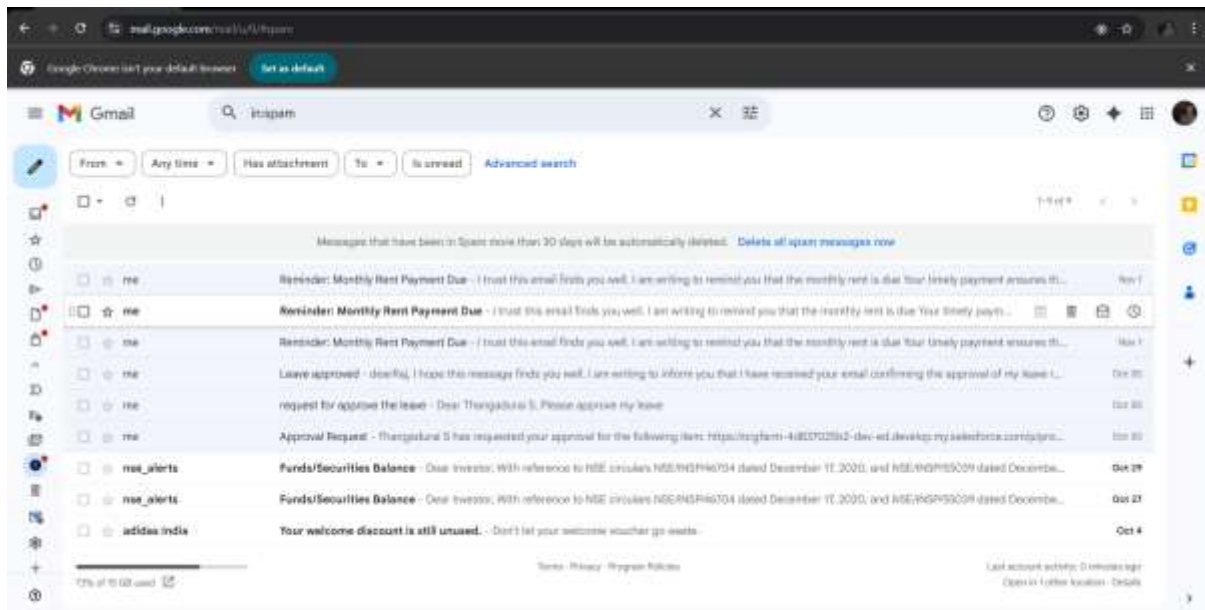
- Detailed test cases were created covering all implemented features.
- Input data, execution steps, and expected outcomes were recorded for each test.
- Screenshots captured actual results to verify correct functionality.
- Documentation ensures transparency and aids future maintenance.
- Provides confidence in system readiness for deployment.

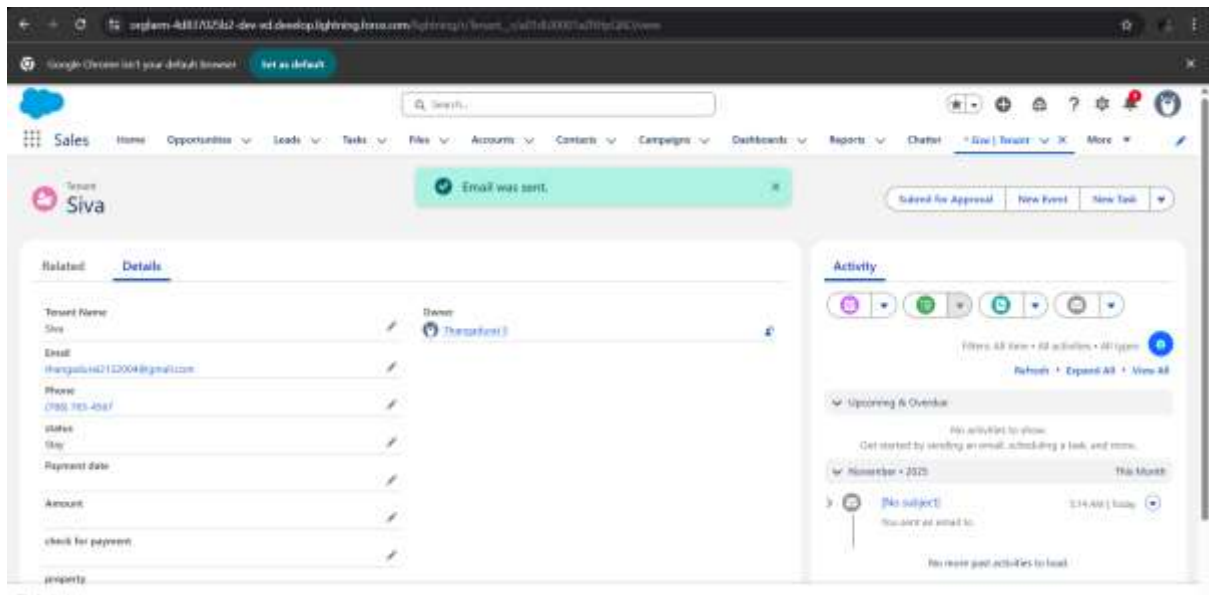
The execution of the Apex class MonthlyEmailScheduler. The following figure shows the execution logs of the Apex class.

The notifications are received to the user.



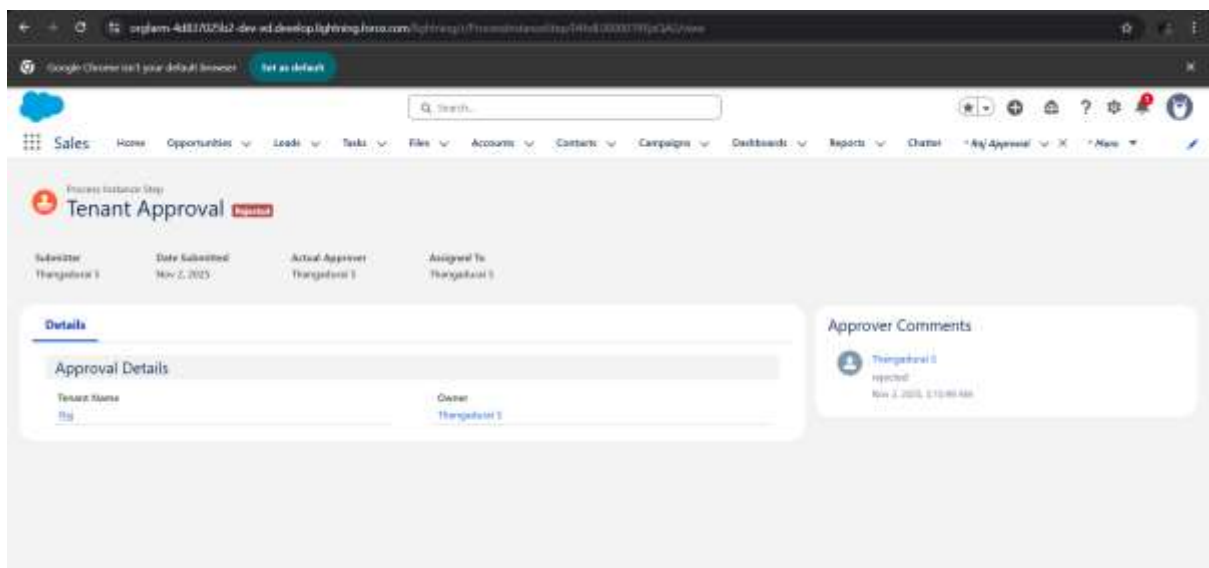
Emails received by the tenant sent by the user or owner through automated process.





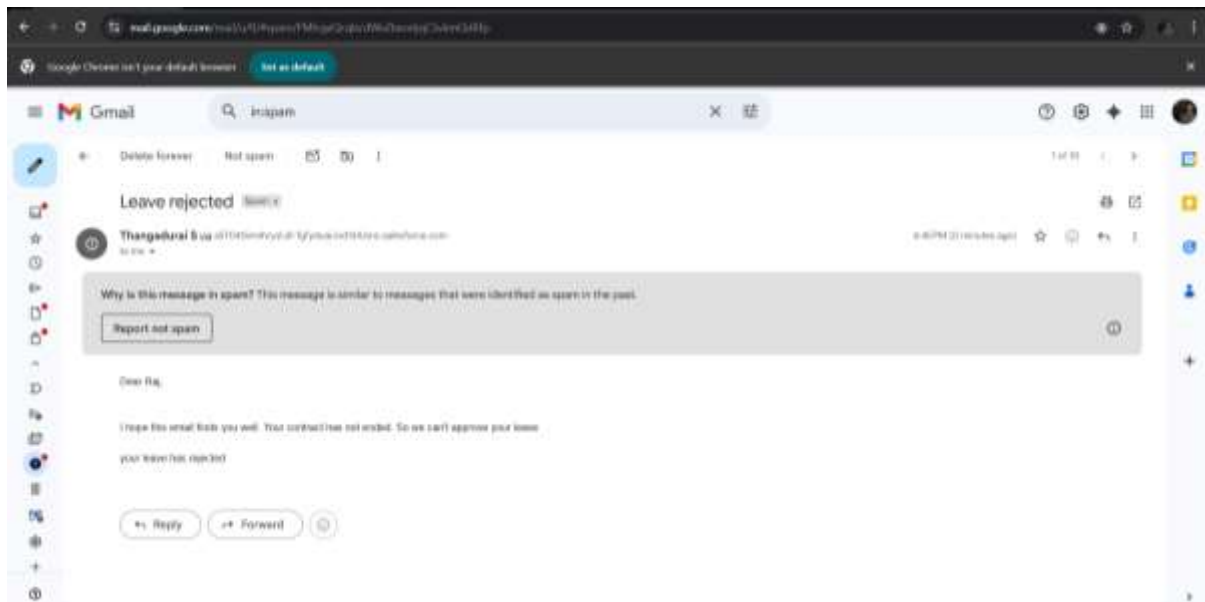
The above figure determines the approval page for the owner. The owner can approve, reject or reassign the tenant request.

The approver can accept or reject the user request.



The approval or rejection email is received to the tenant.





## 4.7 DEPLOYMENT STRATEGY

To ensure a smooth transition from development to production, a well-defined deployment strategy has been implemented. The primary method used for deployment is Salesforce Change Sets, allowing for the structured movement of metadata between environments. This approach reduces risks, ensures stability, and maintains system integrity.

### 4.7.1 KEY COMPONENTS OF DEPLOYMENT

- **Developer Sandbox Usage:**

All development and testing activities are conducted in Salesforce Developer Edition or Sandbox environments. This isolates testing from the live system and allows teams to experiment and validate without affecting end users.

#### **OUTBOUND CHANGE SETS**

These are created in the Sandbox environment and include all the necessary components such as:

- Custom Objects and Fields
- Validation Rules o Classes and Triggers
- Process Builders and Flows
- Lightning Pages and Components Apex

## INBOUND CHANGE SETS

The packaged Change Sets are received in the Production Org and reviewed. Once verified, they are deployed after proper validation and testing, ensuring that only stable and approved features go live.

- Pre-deployment Testing:

Before any deployment, a complete testing cycle is conducted in a **Full Sandbox** environment.

This includes:

- Functional Testing
- Integration Testing
- Regression Testing

This helps identify potential bugs, configuration issues, or deployment errors early in the process.

## 4.8 ADVANCED DEPLOYMENT TOOLS

For larger projects or distributed teams, additional tools are considered for improved control and automation:

- SFDX CLI (Salesforce DX) for script-based deployment and continuous integration

- Git for version control and team collaboration

This deployment approach ensures consistency, minimizes risks, and supports scalable growth in the future.

## 4.9 SYSTEM MAINTENANCE & MONITORING

Post-deployment, the system needs to be actively monitored and maintained to ensure continued performance and data reliability. A structured maintenance plan has been put in place:

## KEY ACTIVITIES:

- **Regular Data Backups:** Scheduled backups are configured to safeguard critical information such as lease contracts, tenant records, payment data, and related documents. Backups ensure business continuity in case of data loss or system failure.

- **Performance Monitoring:** Tools provided by Salesforce are used to continuously monitor system performance:

- Debug Logs to track system executions and identify performance bottlenecks
- Setup Audit Trail to monitor configuration changes and user actions
- Salesforce Health Check to assess security settings and overall system actions.

- **User Feedback Collection:** Regular feedback is gathered from end-users (property managers, admins, tenants) to identify UX/UI improvements and minor bugs. Feedback is logged and analyzed to drive iterative enhancements.

- **Scheduled Enhancements & Upgrades:** Based on usage patterns and evolving business needs, new features or process optimizations are scheduled periodically.

These may include:

- New report types
  - Enhanced dashboards
  - Additional automation (e.g., lease expiry followups)
  - Workflow optimizations
- **Security & Permission Reviews:** As teams grow or roles change, it's crucial to ensure access levels are aligned.

Periodic reviews are conducted for,

- Role hierarchy
- Profile settings
- Permission sets and sharing rules

These reviews ensure that users only access the data they're authorized to, maintaining trust and data protection compliance.

## 7.10 DOCUMENTATION & TROUBLESHOOTING

Proper documentation is essential for smooth adoption, ongoing support, and future scalability. Two levels of documentation have been created:

### 7.10.1 USER DOCUMENTATION

Designed for end-users and system administrators, this includes:

- **Step-by-step instructions** for key tasks such as:
  - Creating a new lease record
  - Viewing tenant profiles and payment history
  - Generating and exporting reports
  - Updating lease statuses (active, expired, terminated)
- **Common Troubleshooting Tips:**
  - Handling record save errors caused by validation rules
  - What to do when approval processes or flows don't trigger
  - Resolving login issues and access permission problems
- **FAQs Section:**

Answers to frequently asked questions, separated for general users and system administrators. Helps reduce support requests and onboarding time for new users.