

LEASE MANAGEMENT

Team Members:

- ANNAL G
- JEENESH S
- NITHISH M
- JAINESH MM

Project Overview:

This project aims to develop a comprehensive lease management system using Salesforce. The system will streamline the process of managing lease agreements, tracking tenant information, scheduling maintenance, and generating reports. By leveraging Salesforce's robust platform, the system will provide a user-friendly and efficient tool for property managers to handle their leasing operations effectively

Objective:

- To create a centralized platform for managing lease agreements and tenant information.
- To automate maintenance scheduling and ensure timely completion of tasks.
- To generate insightful reports for better decision-making.
- To enhance user experience with an intuitive interface and seamless functionality

Schedule Apex class:

Create Property Object:

The screenshot shows the Salesforce Setup interface for the 'property' object. The browser address bar displays the URL: `sugunacoleegeofengineering-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01INS000000sPul/Details/view`. The page title is 'property'. The left sidebar contains a list of configuration options: 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, and Validation Rules. The main content area is titled 'Details' and includes the following fields:

Field	Value
Description	
API Name	property__c
Custom	<input checked="" type="checkbox"/>
Singular Label	property
Plural Label	property
Enable Reports	<input checked="" type="checkbox"/>
Track Activities	<input checked="" type="checkbox"/>
Track Field History	<input checked="" type="checkbox"/>
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

Buttons for 'Edit' and 'Delete' are located in the top right corner of the details section.

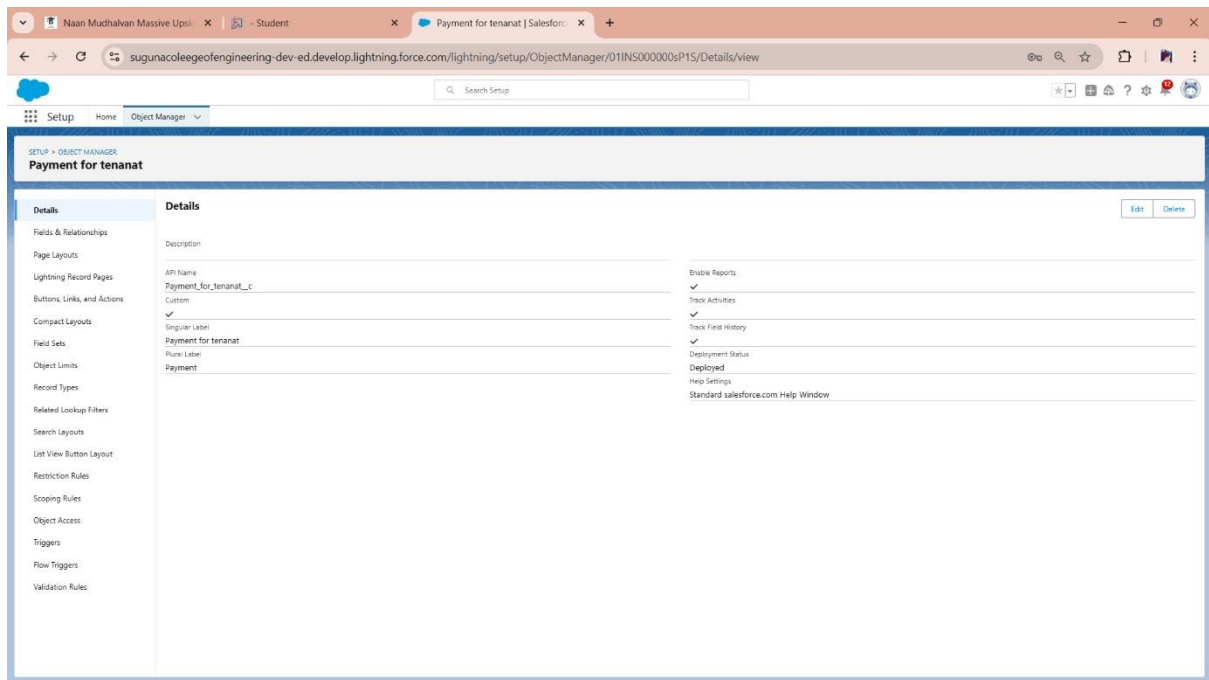
Create Tenant Object:

The screenshot shows the Salesforce Setup interface for the 'Tenant' object. The browser address bar displays the URL: `sugunacoleegeofengineering-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01INS000000sQn7/Details/view`. The page title is 'Tenant'. The left sidebar contains a list of configuration options: 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, and Validation Rules. The main content area is titled 'Details' and includes the following fields:

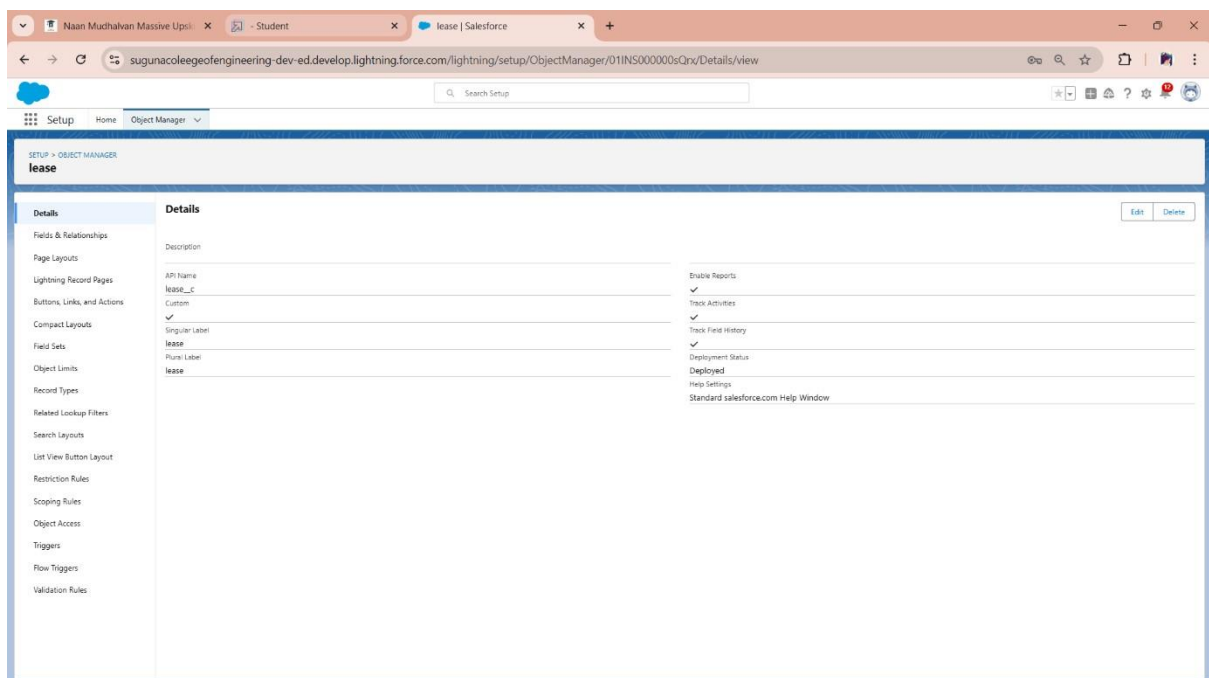
Field	Value
Description	
API Name	Tenant__c
Custom	<input checked="" type="checkbox"/>
Singular Label	Tenant
Plural Label	Tenants
Enable Reports	<input checked="" type="checkbox"/>
Track Activities	<input checked="" type="checkbox"/>
Track Field History	<input checked="" type="checkbox"/>
Deployment Status	Deployed
Help Settings	Standard salesforce.com Help Window

Buttons for 'Edit' and 'Delete' are located in the top right corner of the details section.

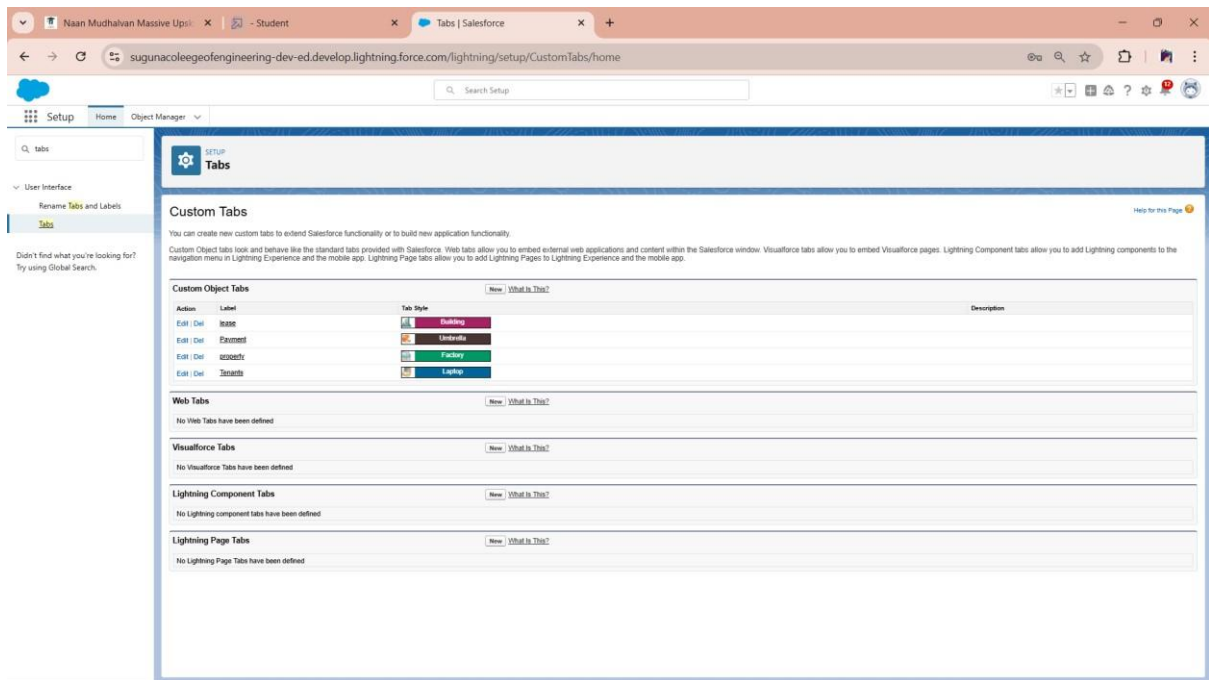
Create Payment Object



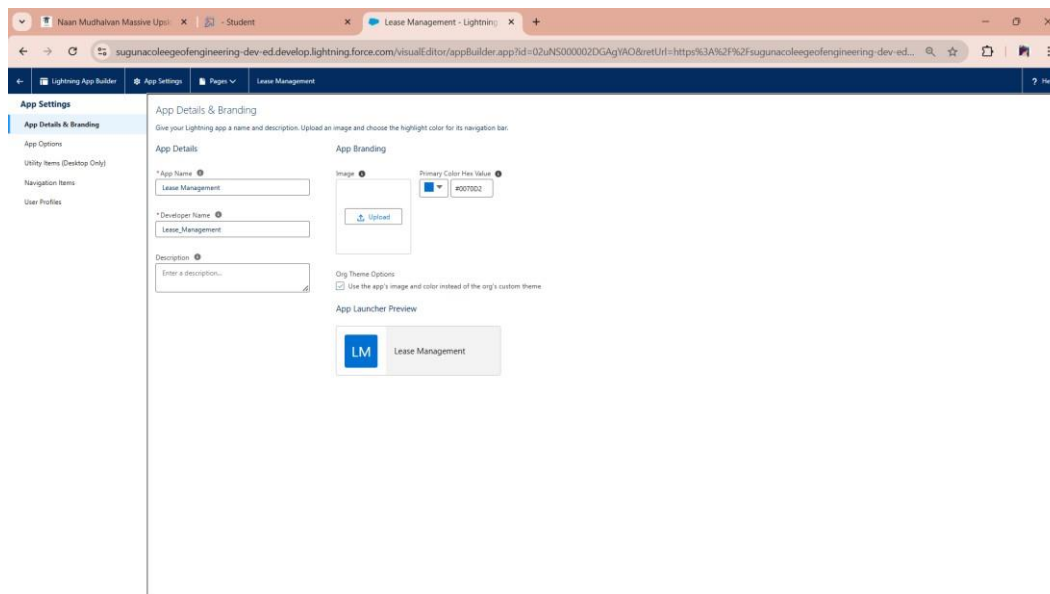
Create Lease Object

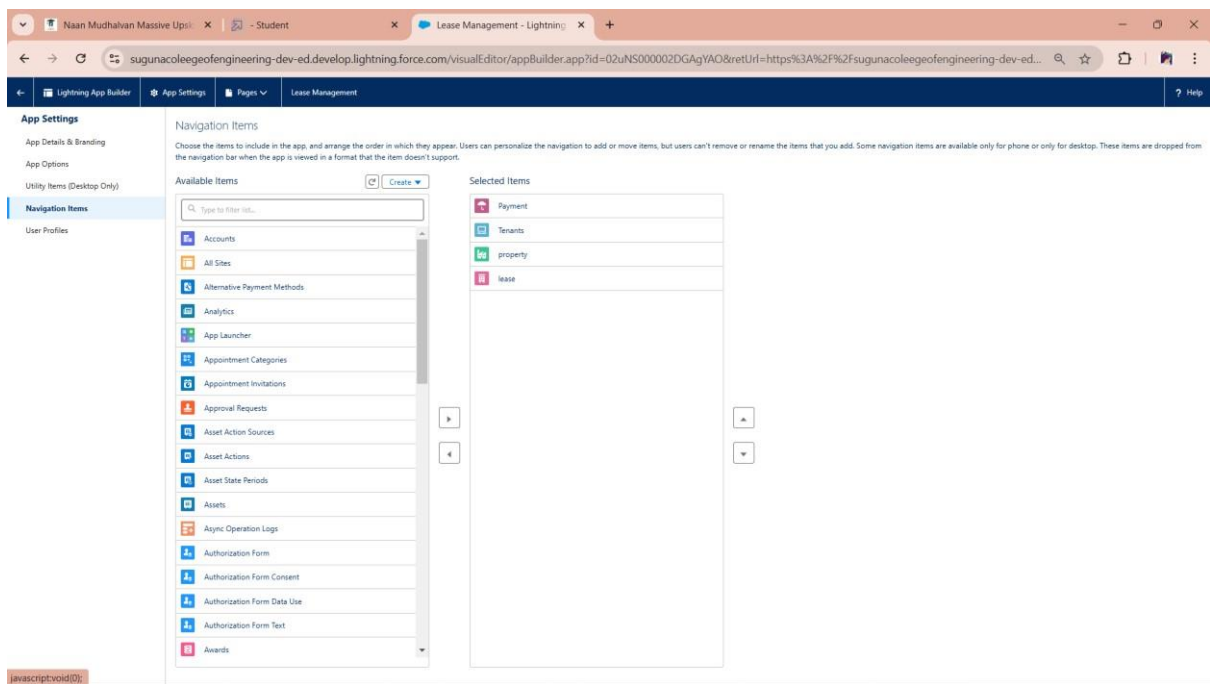
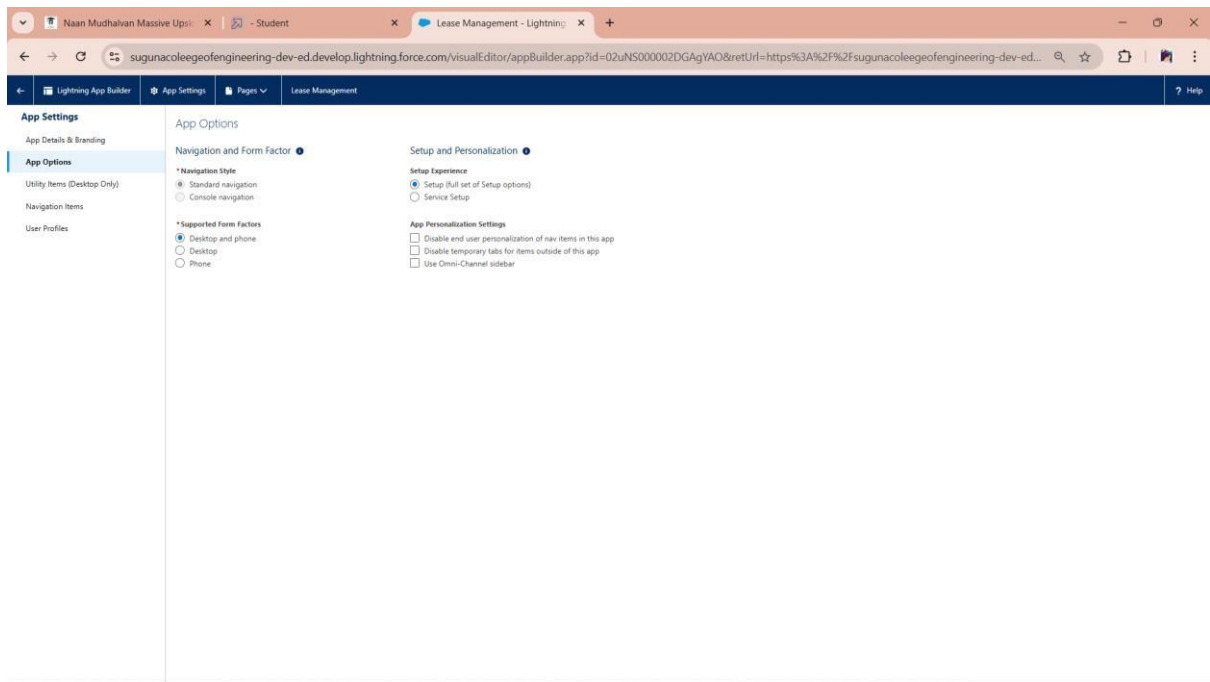


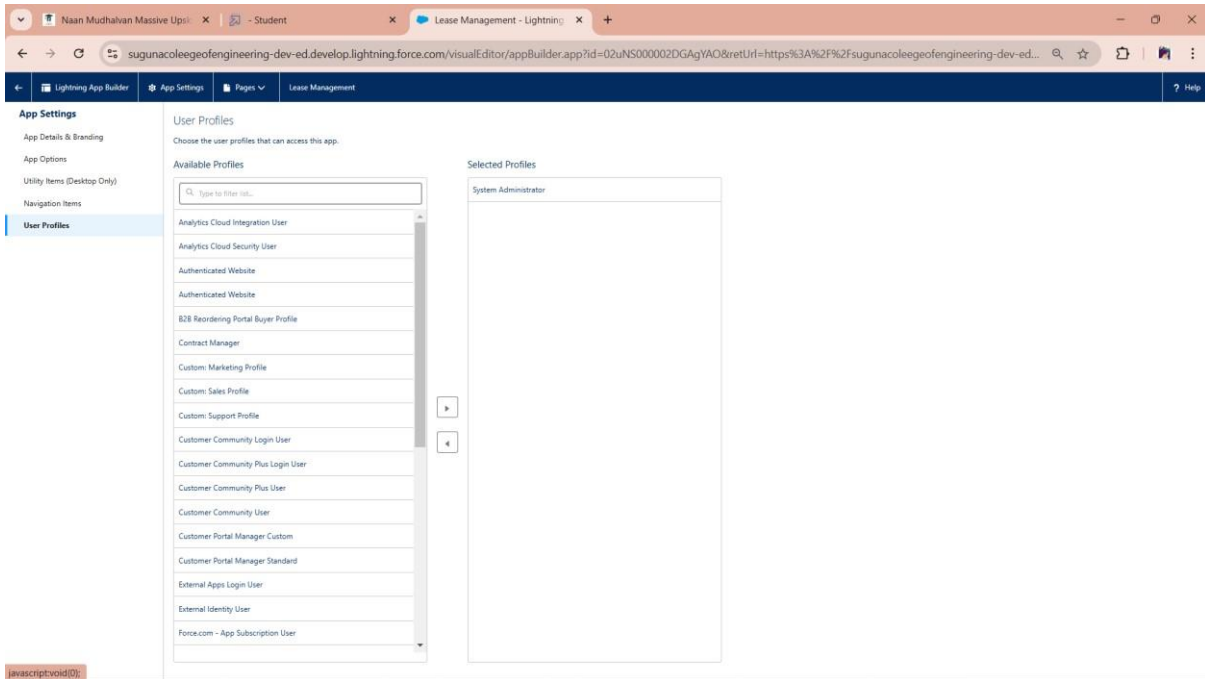
Tabs Creating a Custom Tab



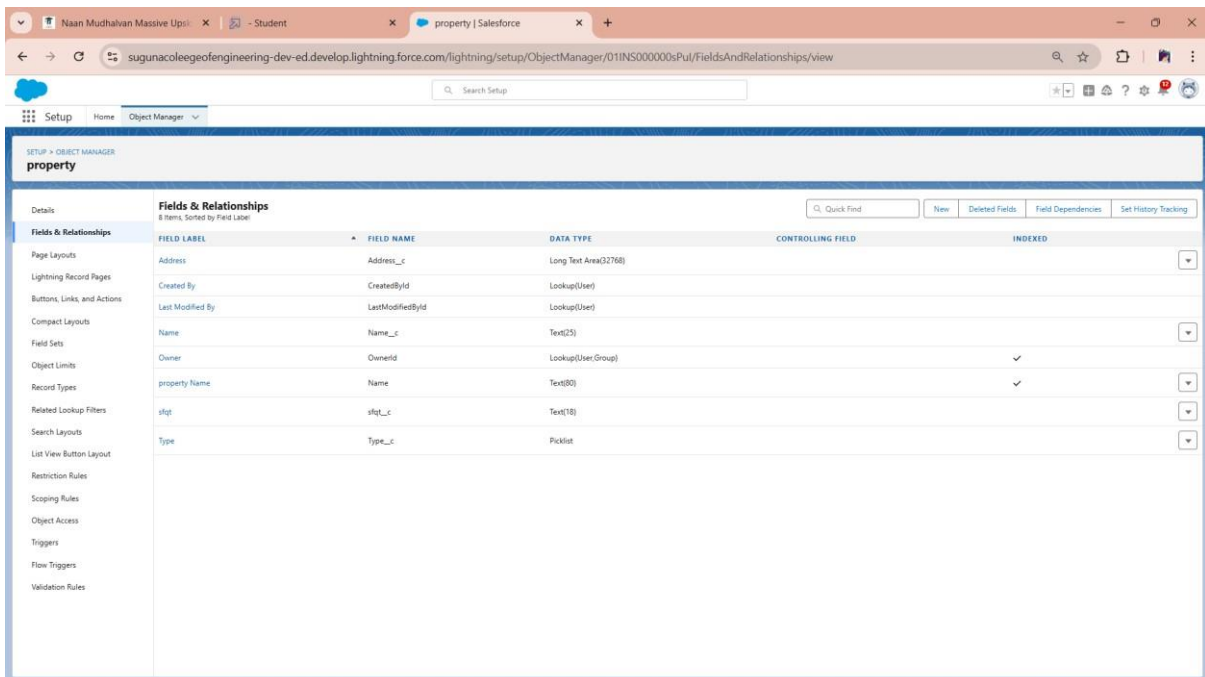
The Lightning App Create a Lightning App







Fields Creation of fields for the property object



Creation of fields for the Tenant object

The screenshot shows the Salesforce Setup interface for the 'Tenant' object. The 'Fields & Relationships' section is active, displaying a table of fields. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
Email	Email__c	Email		
Last Modified By	LastModifiedById	Lookup(User)		
Phone	Phone__c	Phone		
property	property__c	Master-Detail(property)		✓
status	status__c	Picklist		
Tenant Name	Name	Text(80)		✓

Creation of fields for the Lease object

The screenshot shows the Salesforce Setup interface for the 'Lease' object. The 'Fields & Relationships' section is active, displaying a table of fields. The table has columns for FIELD LABEL, FIELD NAME, DATA TYPE, CONTROLLING FIELD, and INDEXED. The fields listed are:

FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Created By	CreatedById	Lookup(User)		
End date	End_date__c	Date		
Last Modified By	LastModifiedById	Lookup(User)		
lease Name	Name	Text(80)		✓
Owner	OwnerId	Lookup(User:Group)		✓
property	property__c	Lookup(property)		✓
start date	start_date__c	Date		

Creation of fields for the Payment for tenant object

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sugunacoleegeofengineering-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01INS000000sP15/FieldsAndRelationships/view

Setup Home Object Manager

SETUP > OBJECT MANAGER

Payment for tenantat

Details

Fields & Relationships

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

Fields & Relationships

FIELD LABEL

FIELD NAME

DATA TYPE

CONTROLLING FIELD

INDEXED

Amount

Amount_c

Number(18, 0)

check for payment

check_for_payment_c

Picklist

Created By

CreatedById

Lookup(User)

Email

Email_c

Email

Last Modified By

LastModifiedById

Lookup(User)

Payment date

Payment_date_c

Date

Payment Name

Name

Text(80)

property

property_c

Master-Detail(property)

Quick Find

New

Deleted Fields

Field Dependencies

Set History Tracking

https://sugunacoleegeofengineering-dev-ed.develop.lightning.force.com/one.app#/setu...

Validation rule

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sugunacoleegeofengineering-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01INS000000sQrx/ValidationRules/view

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

Validation Rules

RULE NAME

ERROR LOCATION

ERROR MESSAGE

ACTIVE

MODIFIED BY

lease_end_date

start date

Your End date must be greater than start date

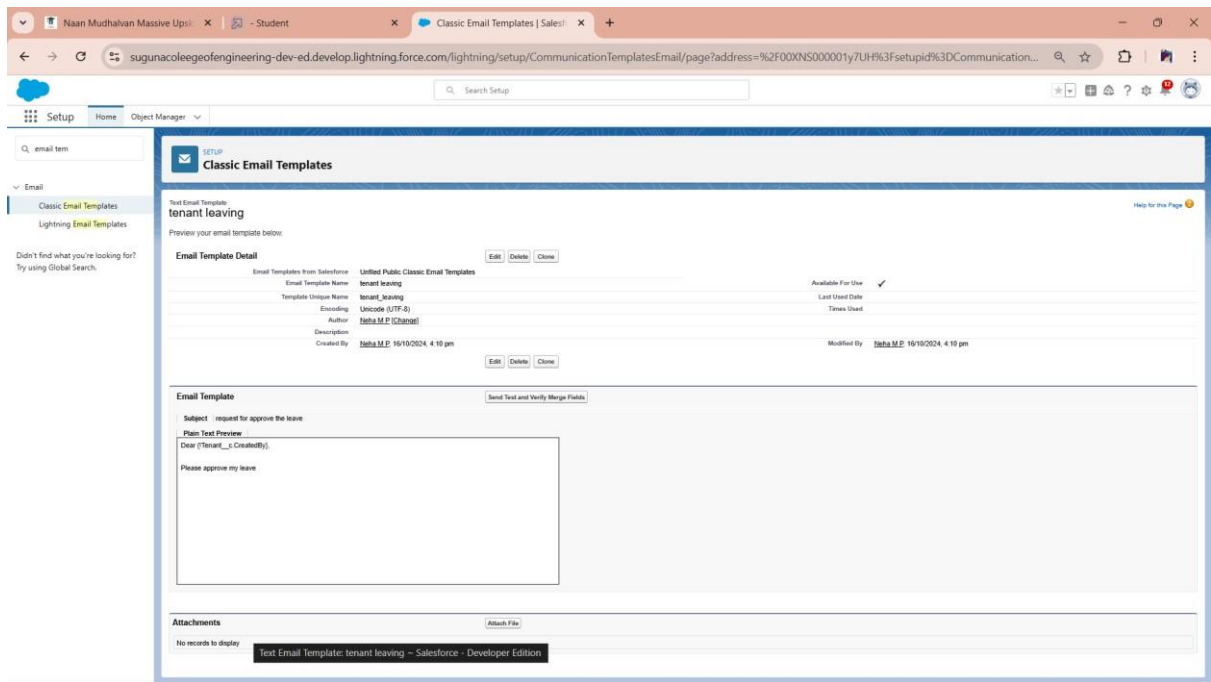
✓

Neha M P, 16/10/2024, 3:55 pm

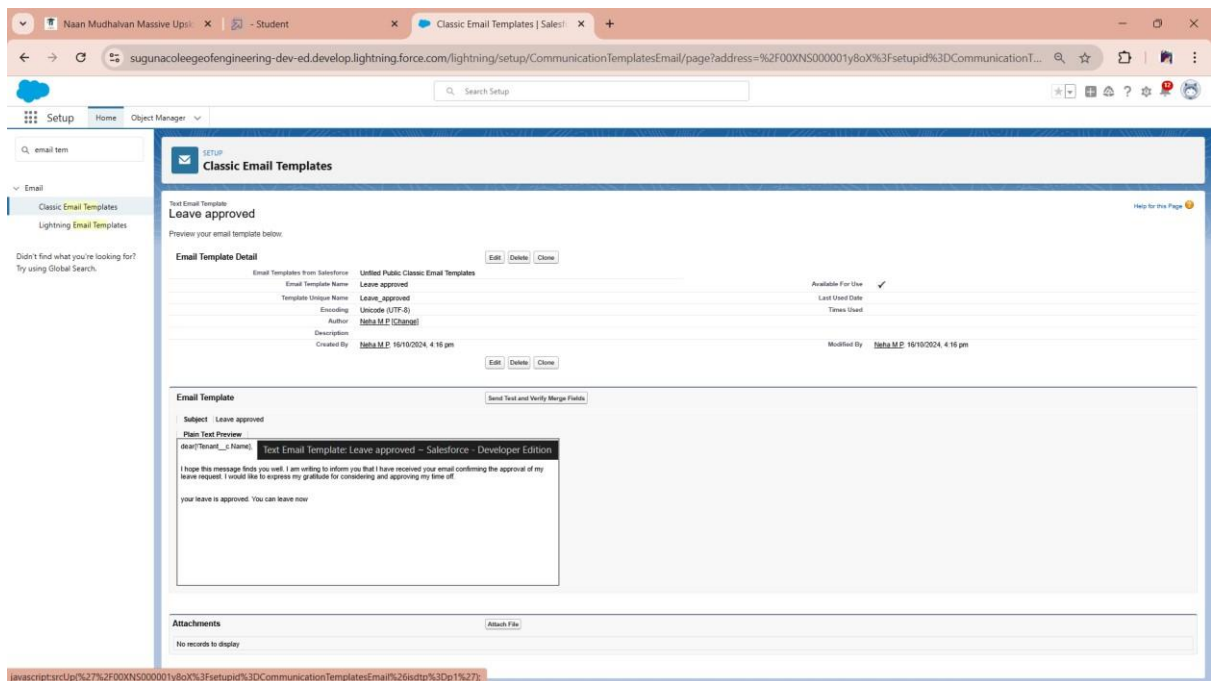
New

https://sugunacoleegeofengineering-dev-ed.develop.lightning.force.com/one.app#/setup/ObjectManager/01INS000000sQrx/ValidationRules/view

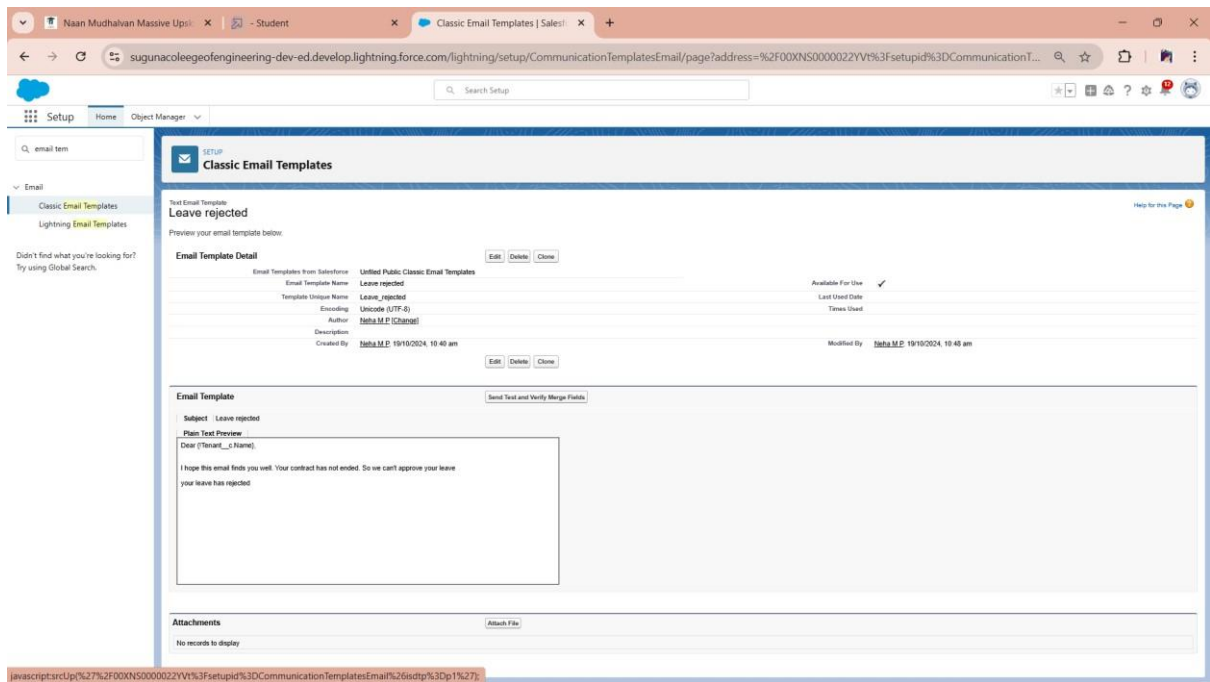
Create Email Template For Tenant Leaving



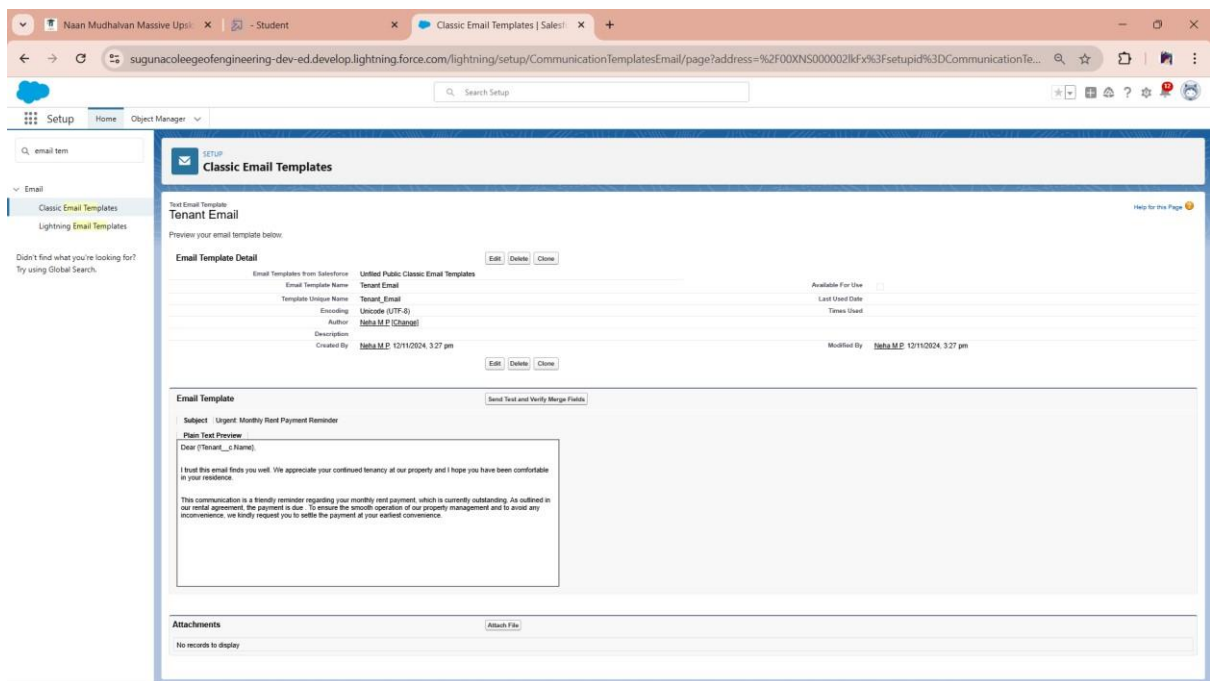
Create Email Template For Leave Approved



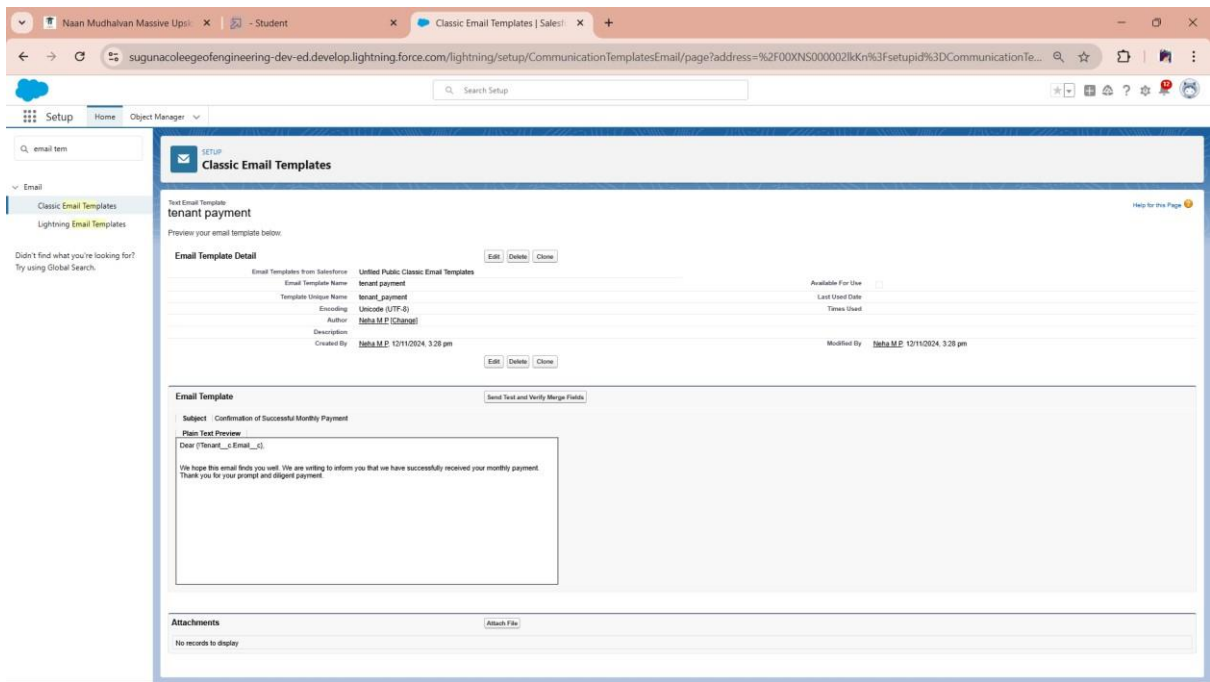
Create Email Template For rejection for leave



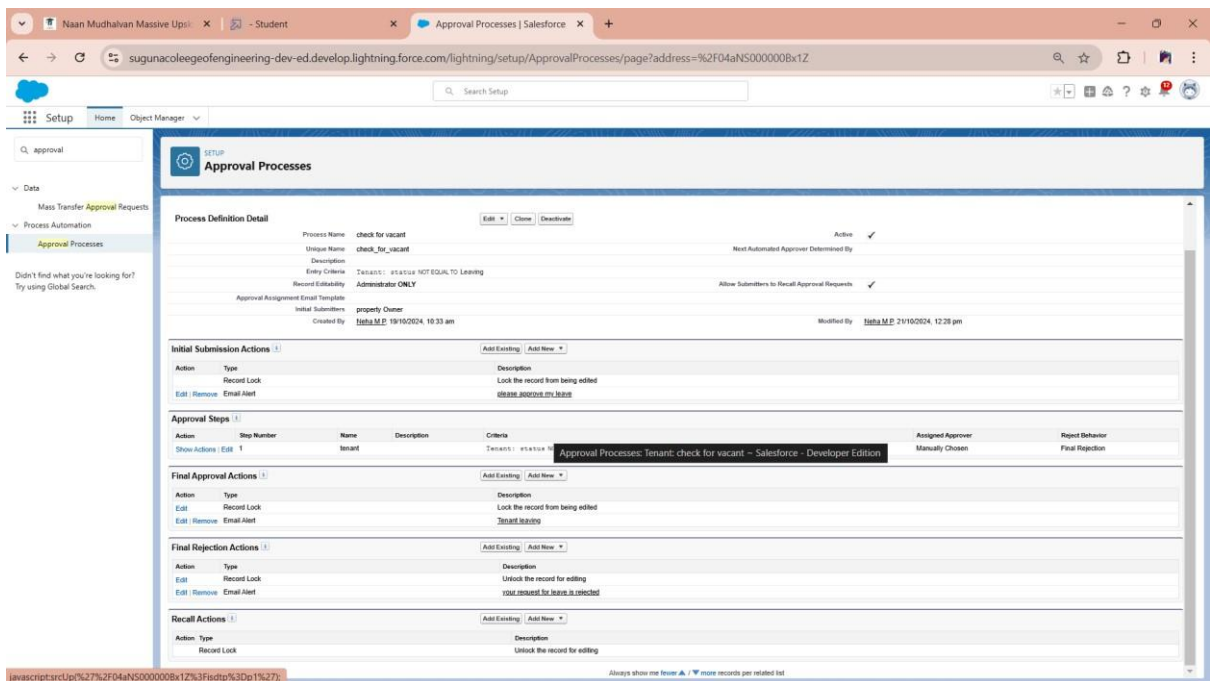
Create Email Template For Monthly payment



Create Email Template For successful payment

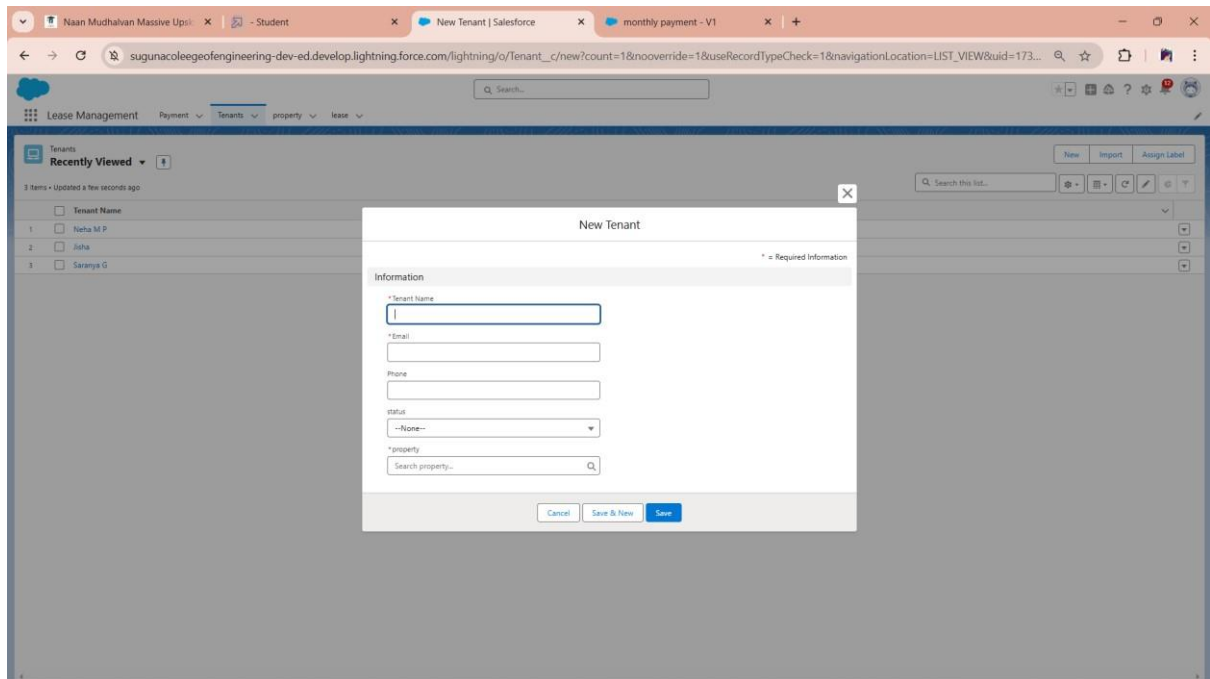


Approval Process

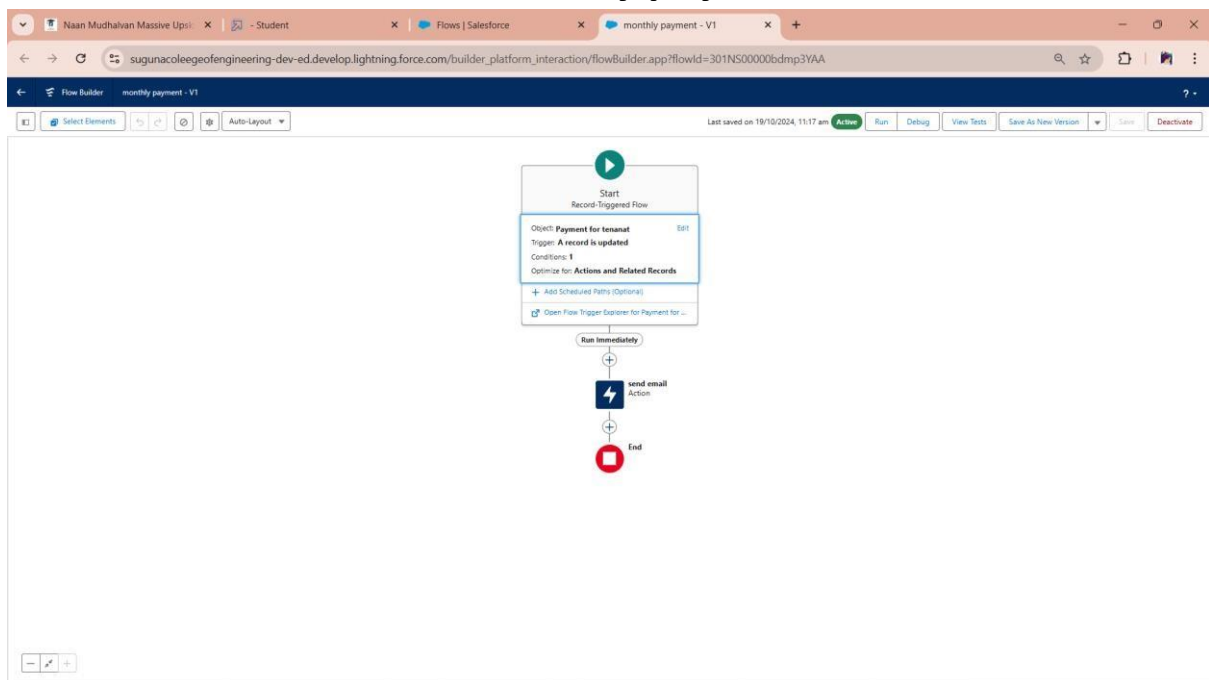


Apex Trigger

Testing the Trigger



Flows Create Flow for monthly payment



The screenshot shows the Salesforce Flow Builder interface for a 'Record-Triggered Flow' named 'monthly payment - V1'. The flow is composed of three steps: 'Start', 'Send Email' (Action), and 'End'. The 'Send Email' action is configured with the following settings:

- Label:** send_email
- API Name:** send_email
- Description:** emailSimple-emailSimple
- Body:** emailbody X
- Add Threading Token to Body:** Not included
- Add Threading Token to Subject:** Not included
- BCC Recipient Address List:** Not included
- CC Recipient Address List:** Not included
- Email Template ID:** Not included
- Log Email on Send:** Not included

Schedule class :

The screenshot shows the Salesforce Setup page for Apex Classes. The page displays a table of Apex Classes with the following columns: Action, Name, Namespace Profile, API Version, Status, Generate from WSDL, Run All Tests, Size Without Comments, Last Modified By, and Has Trace Flags. The table contains two records:

Action	Name	Namespace Profile	API Version	Status	Generate from WSDL	Run All Tests	Size Without Comments	Last Modified By	Has Trace Flags
Edit Del Security	MonthlyEmailScheduler		62.0	Active			1,125	latha.M.E 19/10/2024, 11:22 am	
Edit Del Security	TestScheduler		62.0	Active			297	latha.M.E 19/10/2024, 11:43 am	

<https://sugunacoleegeoengineering-dev-ed.develop.lightning.force.com/lightning/setup/ApexClasses/home>