

# TO SUPPLY LEFTOVER FOOD TO POOR

College Name: Bharathidasan college of arts and science

College Code: Bru3d

TEAM ID: NM2025TMID24641

TEAM MEMBERS:4

Team Leader Name: **LOGESWARI J**

Email: [logeswari2846@gmail.com](mailto:logeswari2846@gmail.com)

Team Member 1 : **KAVISHNA M**

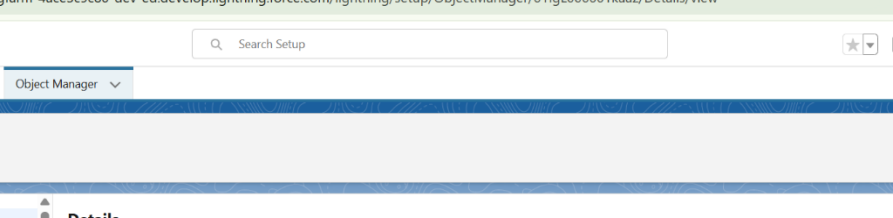
Email: [mkavishna23@gmail.com](mailto:mkavishna23@gmail.com)

Team Member 2 : **NITHYA K**

Email: [nithyak753@gmail.com](mailto:nithyak753@gmail.com)

Team Member 3 : **VISHNU PRIYA S**

Email: [vishnupriyas479@gmail.com](mailto:vishnupriyas479@gmail.com)



The screenshot shows the Salesforce Lightning Setup interface. The browser address bar displays the URL: `orgfarm-4ace3c9c80-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/01lgL000001kaaz/Details/view`. The page title is "Setup" with a sub-header "OBJECT MANAGER". The main heading is "Volunteer". On the left, a navigation menu lists various setup options: Details (selected), Fields & Relationships, Page Layouts, Lightning Record Pages, Buttons, Links, and Actions, Compact Layouts, Field Sets, Object Limits, Record Types, Related Lookup Filters, Search Layouts, and List View Button Layout. The main content area is titled "Details" and contains a "Description" field. Below this, there are two columns of configuration options. The left column includes "API Name" (Volunteer\_\_c), "Custom" (checked), "Singular Label" (Volunteer), "Plural Label" (Volunteers), and "Record Types". The right column includes "Enable Reports" (checked), "Track Activities" (checked), "Track Field History" (checked), "Deployment Status" (Deployed), "Help Settings" (Standard salesforce.com Help Window), and "Standard salesforce.com Help Window". At the top right of the details section, there are "Edit" and "Delete" buttons.

Browser tabs: - Student, Welcome to Salesforce: V, Home | Salesforce, Home | Salesforce, Volunteer | Salesforce

Address bar: orgfarm-4ace3c9c80-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/011gL000001kaaz/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Volunteer

Details Edit Delete

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

Description

API Name  
Volunteer\_\_c

Custom

Singular Label  
Volunteer

Plural Label  
Volunteers

Enable Reports  
✓

Track Activities  
✓

Track Field History  
✓

Deployment Status  
Deployed

Help Settings  
Standard salesforce.com Help Window

Browser tabs: - Student, Opportunity | Salesforce

Address bar: orgfarm-4ace3c9c80-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/Opportunity/Details/view

Search Setup

Setup Home Object Manager

SETUP > OBJECT MANAGER

### Opportunity

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

Description

API Name  
Opportunity

Custom

Singular Label  
Opportunity

Plural Label  
Opportunities

Enable Reports

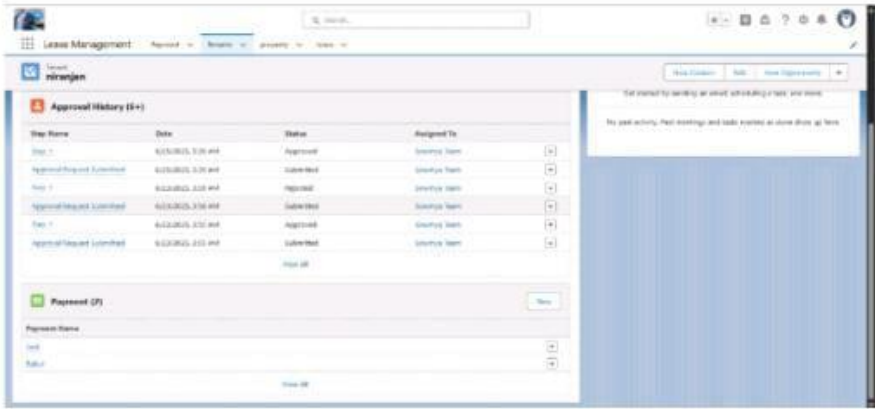
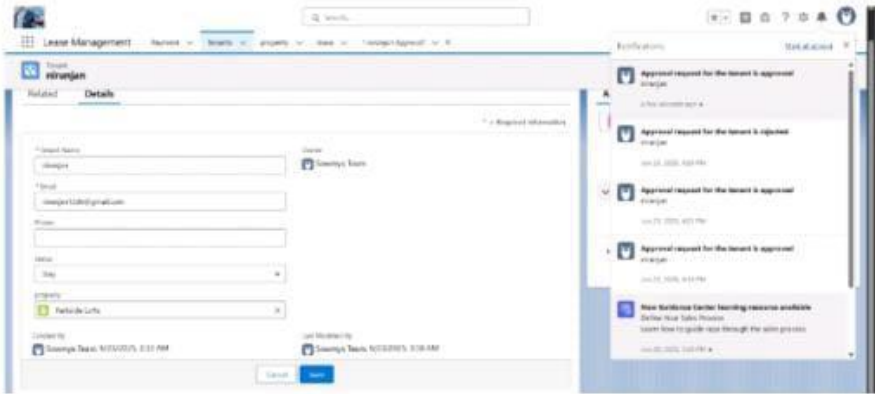
Track Activities

Track Field History

Deployment Status

Help Settings  
Standard salesforce.com Help Window

- Approval process validated through email alerts and status updates



• **Source Code:** Provided in Apex Classes and Triggers

**Test.apxt:**

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

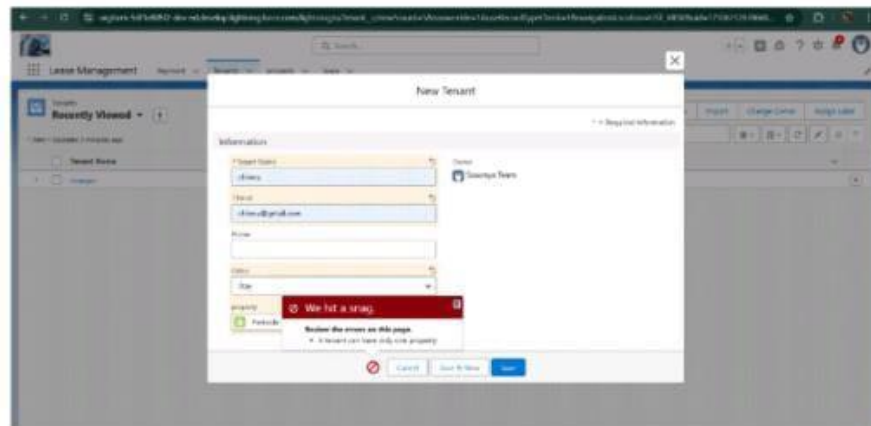
**testHandler.apxc:**

```
public class
testHandler {
public static void
preventInsert(List<
Tenant__c> newList)
{      Set<Id>
existingPropertyIds
= new Set<Id>()

      for (Tenant__c existingTenant : [SELECT Id, Property__c FROM Tenant__c
WHERE Property__c != null]) {
existingPropertyIds.add(existingTenant.Property__c;

} for (Tenant__c newTenant :
newList) {
      if (newTenant.Property__c != null &&
existingPropertyIds.contains(newTenant.Property__c)) { newTenant.addError('A
tenant can have only one property');
}
}
}
```

- Trigger error messages

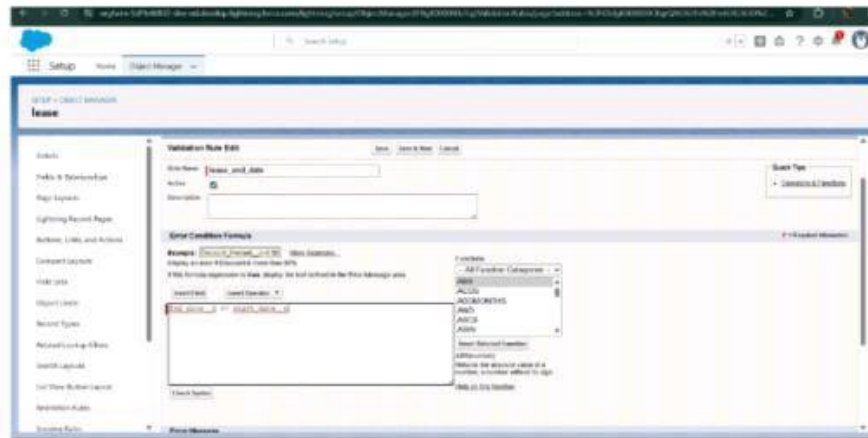


- Approval process notifications

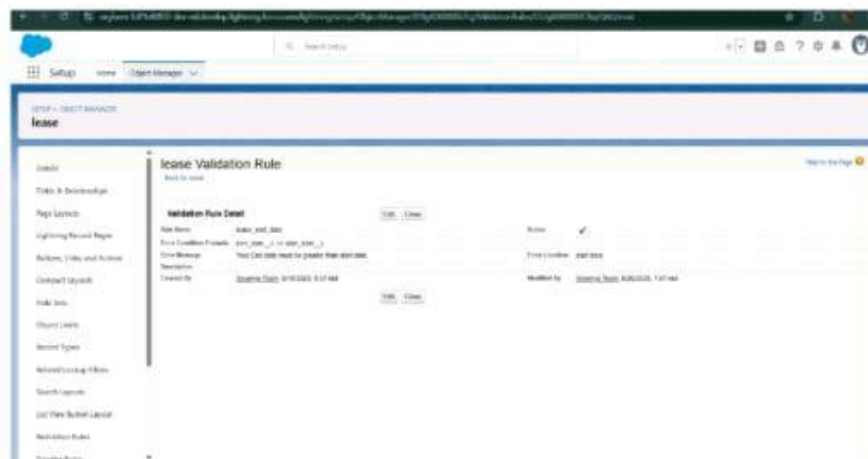
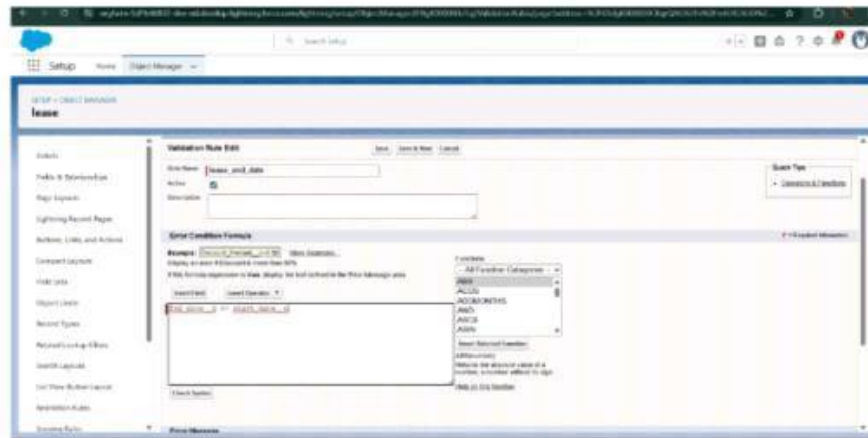


## ADVANTAGES & DISADVANTAGES

1

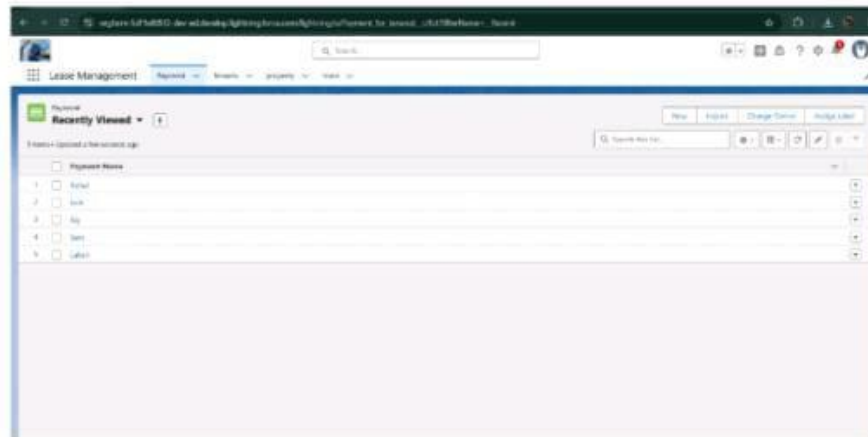


- Added Apex trigger to restrict multiple tenants per property

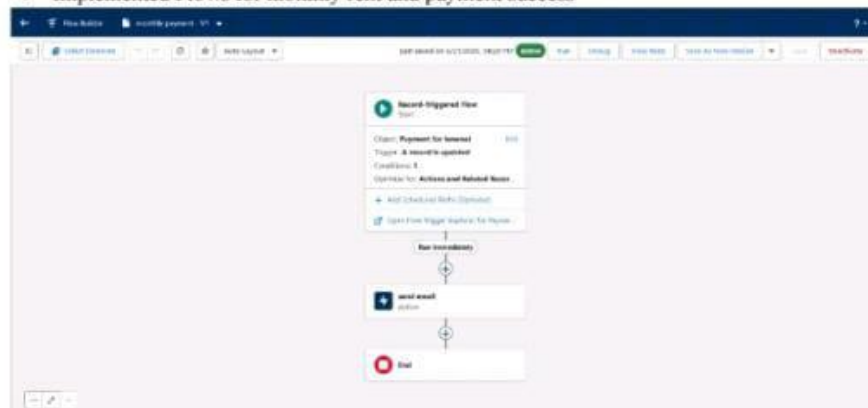


- Added Apex trigger to restrict multiple tenants per property



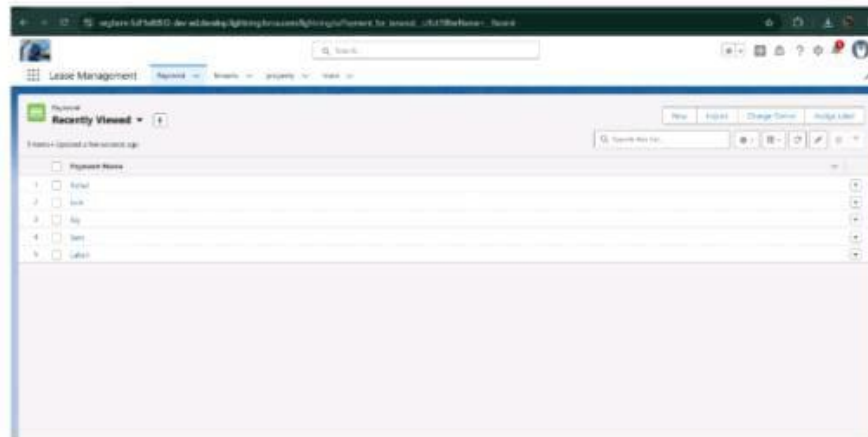


- Implemented Flows for monthly rent and payment success

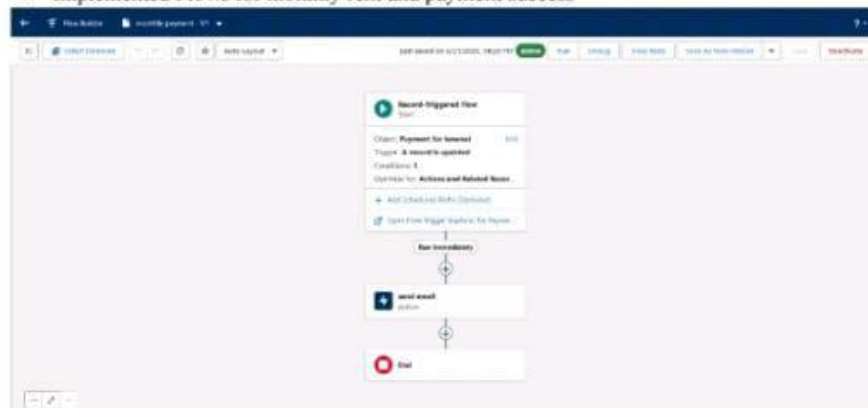


- To create a validation rule to a Lease Object





- Implemented Flows for monthly rent and payment success



- To create a validation rule to a Lease Object



- Added Apex trigger to restrict multiple tenants per property

• **Source Code:** Provided in Apex Classes and Triggers

**Test.apxt:**

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

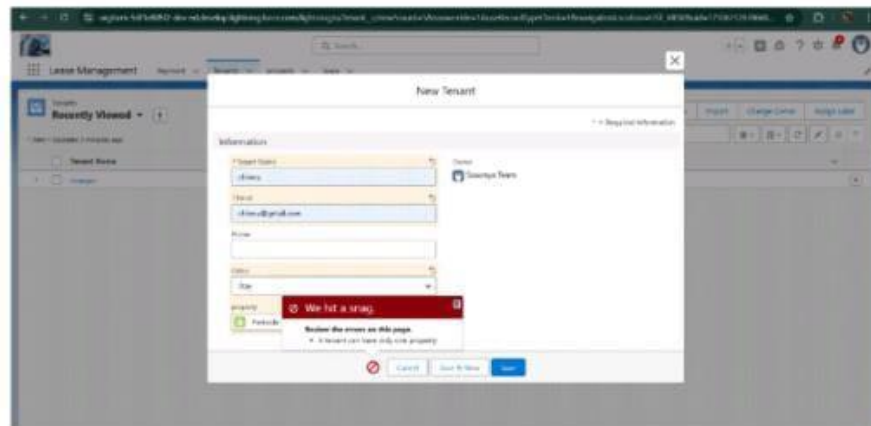
**testHandler.apxc:**

```
public class
testHandler {
public static void
preventInsert(List<
Tenant__c> newList)
{      Set<Id>
existingPropertyIds
= new Set<Id>()

      for (Tenant__c existingTenant : [SELECT Id, Property__c FROM Tenant__c
WHERE Property__c != null]) {
existingPropertyIds.add(existingTenant.Property__c;

} for (Tenant__c newTenant :
newList) {
      if (newTenant.Property__c != null &&
existingPropertyIds.contains(newTenant.Property__c)) { newTenant.addError('A
tenant can have only one property');
}
}
}
```

- Trigger error messages



- Approval process notifications



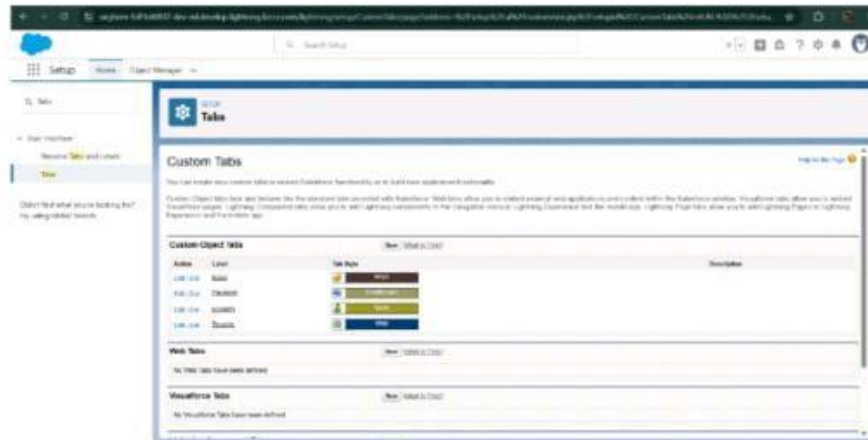
## ADVANTAGES & DISADVANTAGES

2

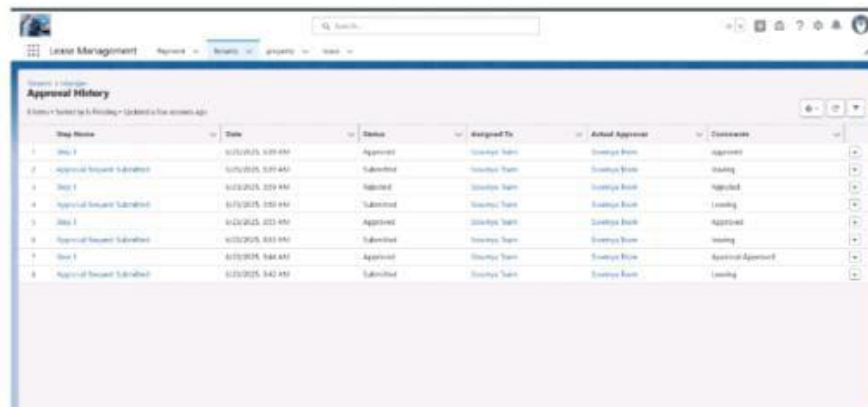
# RESULTS

## Output Screenshots

- Tabs for Property, Tenant, Lease, Payment

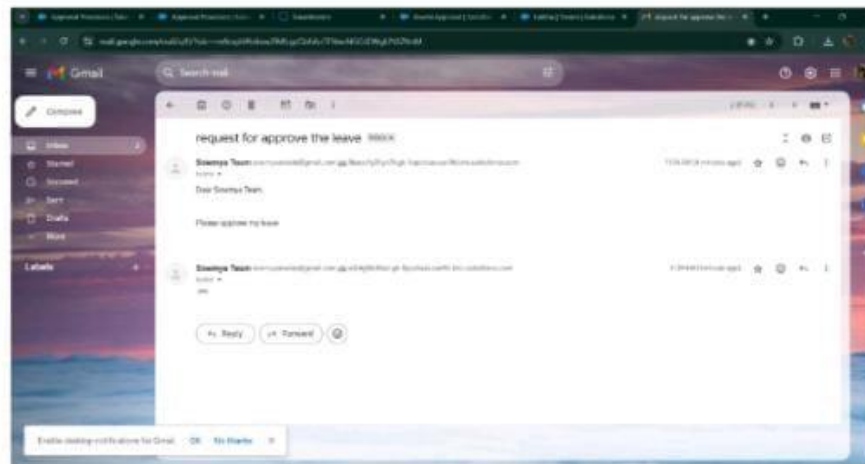


- Email alerts

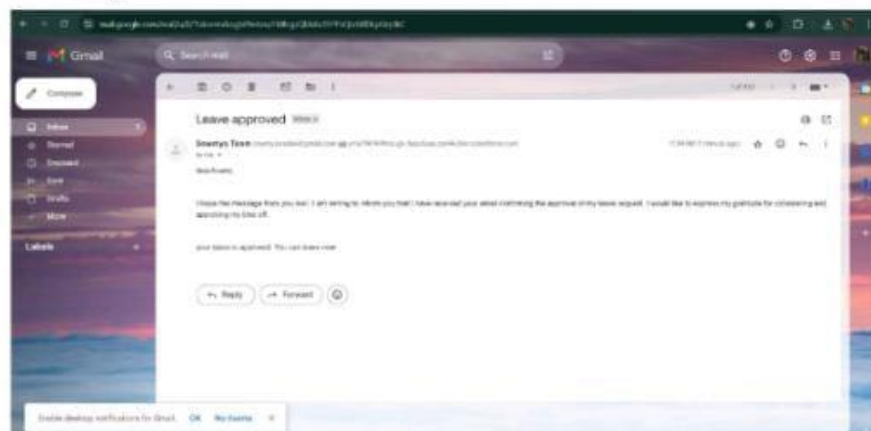


- Request for approve the leave

- Request for approve the leave



- Leave approved



- Leave rejected



- Approval process validated through email alerts and status updates

**Lease Management** | Approval | Stranjan | Details

**Request Details**

Request Name:

Email:

Phone:

Status:

Property:

Created By:

Get Notifications:

**Notifications**

- Approval request for the tenant is approved (Stranjan) - 10/24/2025, 9:58 PM
- Approval request for the tenant is rejected (Stranjan) - 10/24/2025, 9:58 PM
- Approval request for the tenant is approved (Stranjan) - 10/24/2025, 9:58 PM
- Approval request for the tenant is approved (Stranjan) - 10/24/2025, 9:58 PM

**Lease Management** | Approval | Stranjan | Approval History

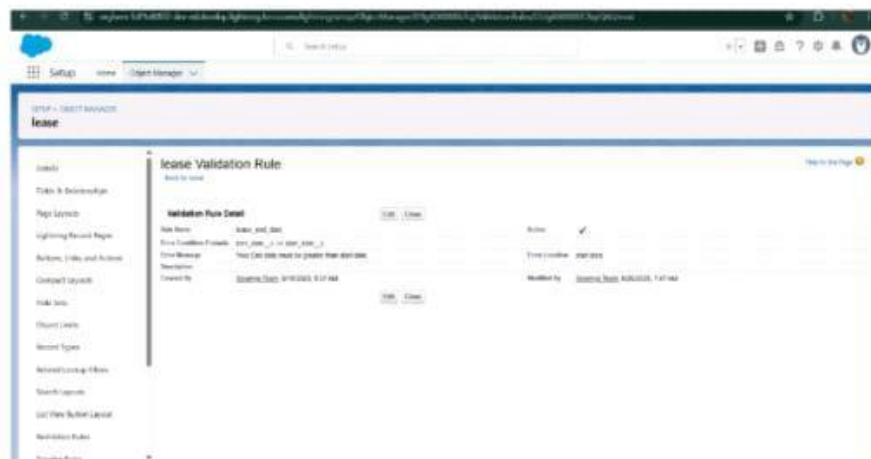
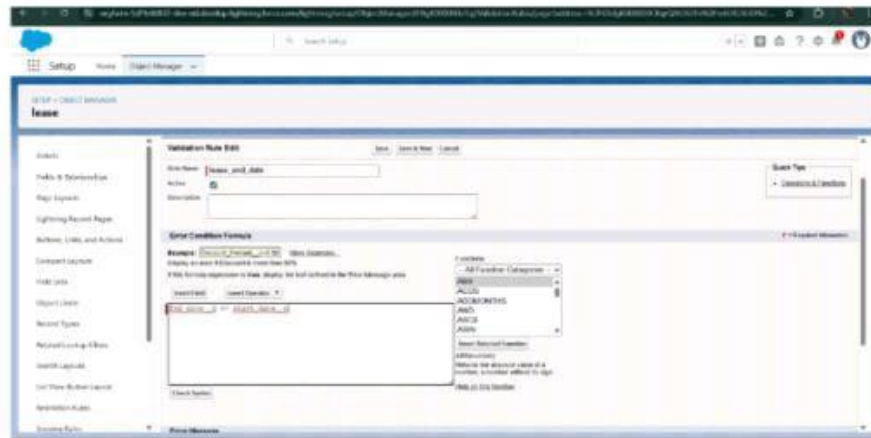
**Approval History (5+)**

| Step Name                  | Date                | Status    | Assigned To    |
|----------------------------|---------------------|-----------|----------------|
| Step 1                     | 10/24/2025, 9:58 AM | Approved  | Sourabh Taneja |
| Approval Request Submitted | 10/24/2025, 9:58 AM | Submitted | Sourabh Taneja |
| Step 1                     | 10/24/2025, 9:58 AM | Approved  | Sourabh Taneja |
| Approval Request Submitted | 10/24/2025, 9:58 AM | Submitted | Sourabh Taneja |
| Step 1                     | 10/24/2025, 9:58 AM | Approved  | Sourabh Taneja |
| Approval Request Submitted | 10/24/2025, 9:58 AM | Submitted | Sourabh Taneja |

**Payment (0)**

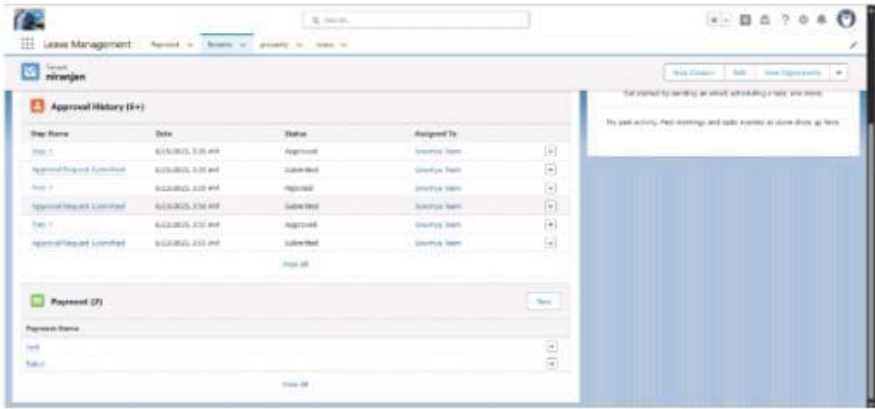
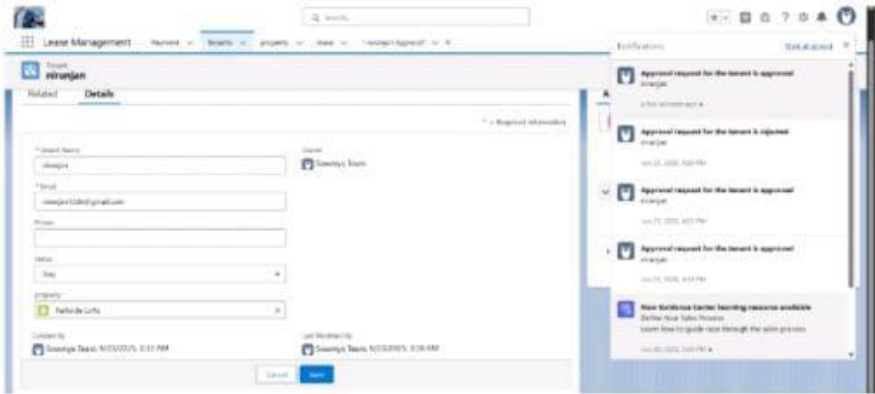
Payment Name:

Amount:



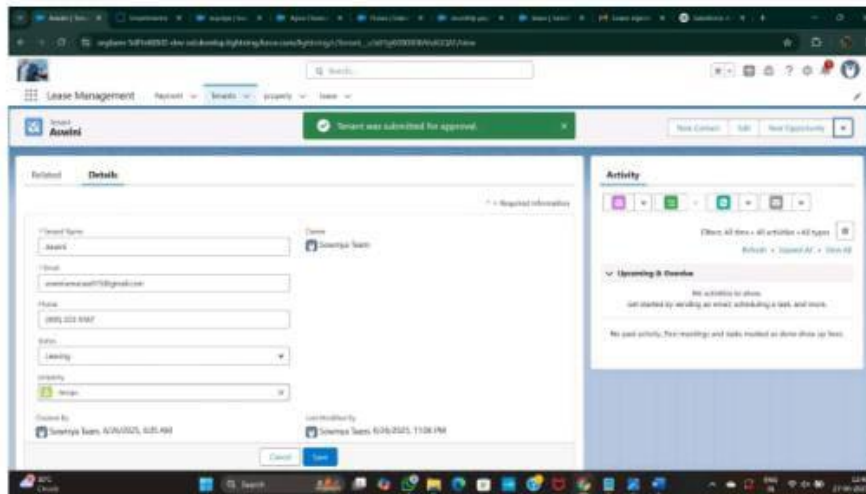
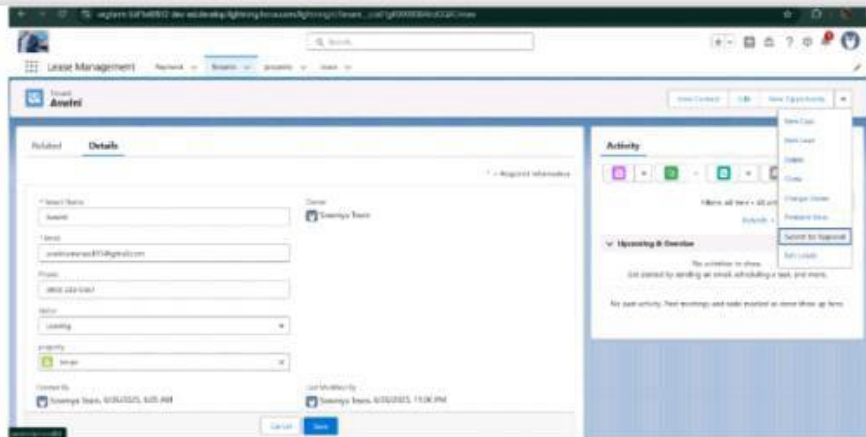
- Added Apex trigger to restrict multiple tenants per property

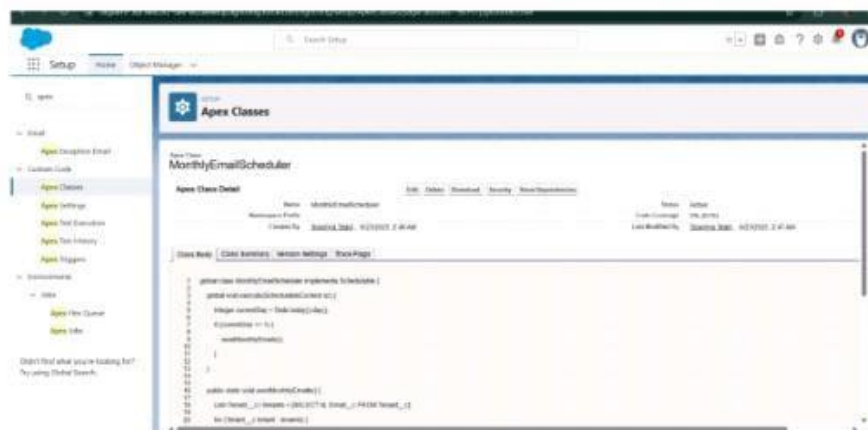
- Approval process validated through email alerts and status updates





The screenshot displays the Suprplya web application. At the top, there's a navigation bar with links like 'Home', 'About', 'Contact', and 'Login'. Below this, the main header features the 'suprplya' logo and a search bar. The central area is divided into two tabs: 'Related' and 'Details'. The 'Details' tab is active, showing a profile card for 'suprplya' with a search bar and a list of items. A red banner at the bottom of the profile card reads 'We hit a snag.' To the right, there's an 'Activity' section with a list of recent posts. The bottom of the page has a footer with copyright information and a 'Privacy Policy' link.





```
14: 107: (tenant__c newtenant : null);
15:
16:
17:
18: 108: IF (tenant__c != null && existingproperties.contains(newtenant__c)) {
19:
20:     newtenant.addError('A tenant can have only one property');
21:
22: }
23:
```

## • FLOWS

The screenshot displays the Salesforce Flow Builder interface for a 'Record-Triggered Flow' named 'monthly payment'. The flow is configured to trigger when a record is updated. The flow steps include a trigger 'When a record is updated', a condition 'Is record updated?', and an action 'Send email'. The right sidebar shows the 'Configure Start' section with options for 'Type' (Record-Triggered Flow), 'Object' (Account), and 'Trigger' (When a record is updated). Below this, there are sections for 'When to Run the Flow for Updated Records', 'Optimize Flow', and 'Actions and Related Records'.

The screenshot shows the 'Configure Start' section of the Salesforce Flow Builder. The 'Select Object' dropdown is set to 'Account'. The 'Configure Trigger' section shows 'When a record is updated' selected. The 'Set Entry Conditions' section is also visible, with a dropdown menu for 'All Conditions for the flow'.

Approval

Tenant

Approval Settings

Approval Processes

Tenant: check for vacant

Process Definition Detail

Process Name

check for vacant

Active

✓

Process Name

check\_for\_vacant

Most Approved Requester (Selected)

✓

Requester

check\_for\_vacant

Approved By

check\_for\_vacant

Approval Requester Email Template

check\_for\_vacant

Approved By

check\_for\_vacant

Initial Substitution Rules

Active

✓

Type

Record Link

Description

Link for record from being edited

Approval Steps

Active

✓

Step Number

1

Name

Step 1

Description

Link for record from being edited

Assigned Approval

Link for record from being edited

Approval Status

Link for record from being edited

- Apex Trigger

## Create an Apex Trigger

Apex Trigger

Trigger Name

check\_for\_vacant

Trigger Definition

Trigger Name

check\_for\_vacant

Active

✓

Trigger Definition

Trigger Name

check\_for\_vacant

Active

✓

Trigger Definition

Trigger Name

check\_for\_vacant

Active

✓

```

1 trigger test on Tenant__c (before insert)
2 {
3 {
4 {
5 {
6 {
7 {
8 {
9 {
10 {
11 }
12 }
13 }
14 }
15 }
16 }
17 }
18 }
19 }
20 }
21 }
22 }
23 }
24 }
25 }
26 }
27 }
28 }
29 }
30 }
31 }
32 }
33 }
34 }
35 }
36 }
37 }
38 }
39 }
40 }
41 }
42 }
43 }
44 }
45 }
46 }
47 }
48 }
49 }
50 }
51 }
52 }
53 }
54 }
55 }
56 }
57 }
58 }
59 }
60 }
61 }
62 }
63 }
64 }
65 }
66 }
67 }
68 }
69 }
70 }
71 }
72 }
73 }
74 }
75 }
76 }
77 }
78 }
79 }
80 }
81 }
82 }
83 }
84 }
85 }
86 }
87 }
88 }
89 }
90 }
91 }
92 }
93 }
94 }
95 }
96 }
97 }
98 }
99 }
100 }

```

Trigger Definition

Trigger Name

check\_for\_vacant

Active

✓

Trigger Definition

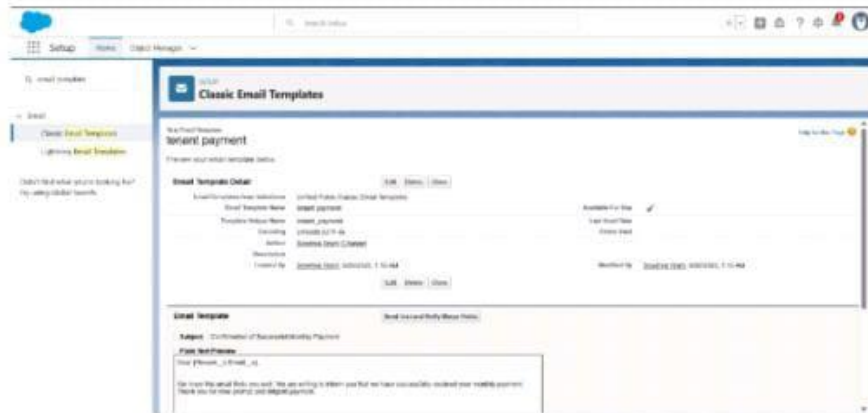
Trigger Name

check\_for\_vacant

Active

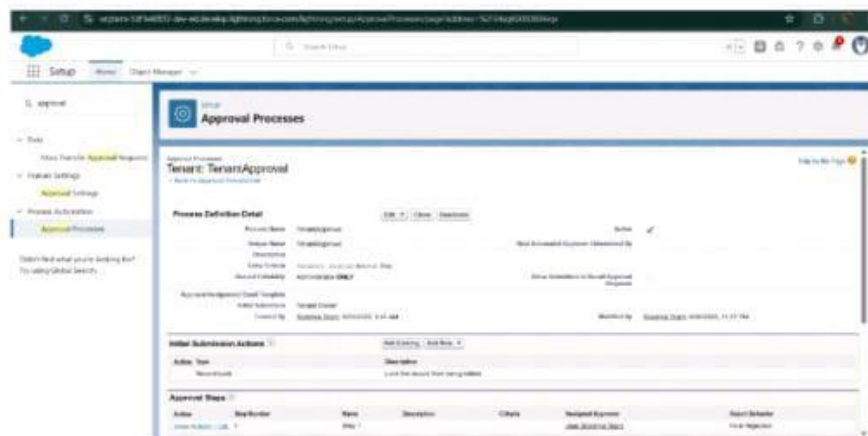
✓





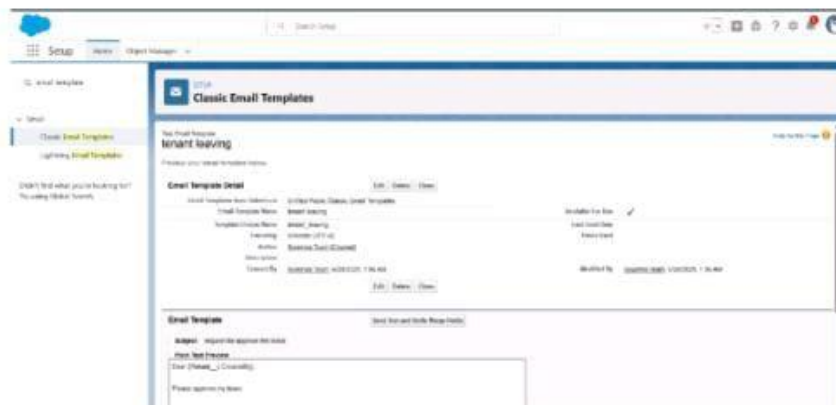
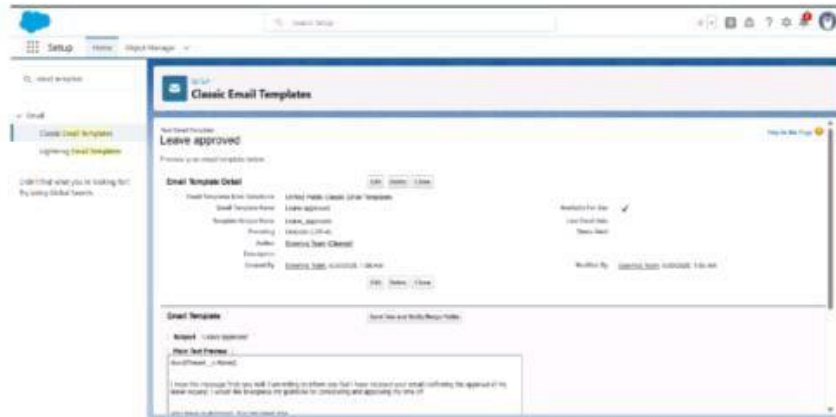
## • Approval Process creation

For Tenant Leaving:



For Check for Vacant:

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



Screenshot of the Salesforce Setup page for the 'Case' object, showing the 'Fields & Relationships' section. The page displays a list of fields and their relationships, sorted by Field Label. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed.

| FIELD LABEL         | FIELD NAME       | DATA TYPE                               | CONTROLLING FIELD | INDEXED |
|---------------------|------------------|---|-------------------|---------|
| Account Name        | AccountId        | Lookup(Account)                         |                   | ✓       |
| Asset               | AssetId          | Lookup(Asset)                           |                   | ✓       |
| Business Hours      | BusinessHoursId  | Lookup(Business Hours)                  |                   |         |
| Case Number         | CaseNumber       | Auto Number                             |                   | ✓       |
| Case Origin         | Origin           | Picklist                                |                   |         |
| Case Owner          | OwnerId          | Lookup(User,Group)                      |                   | ✓       |
| Case Reason         | Reason           | Picklist                                |                   |         |
| Case Source         | SourceId         | Lookup(Email Message,Messaging Session) |                   | ✓       |
| Closed When Created | IsClosedOnCreate | Checkbox                                |                   |         |

Screenshot of the Salesforce Setup page for the 'Case' object, showing the 'Fields & Relationships' section. The page displays a list of fields and their relationships, sorted by Field Label. The table includes columns for Field Label, Field Name, Data Type, Controlling Field, and Indexed.

| FIELD LABEL                  | FIELD NAME             | DATA TYPE             | CONTROLLING FIELD | INDEXED |
|------------------------------|------------------------|-----------------------|-------------------|---------|
| Contact Mobile               | ContactMobile          | Phone                 |                   |         |
| Contact Name                 | ContactId              | Lookup(Contact)       |                   | ✓       |
| Contact Phone                | ContactPhone           | Phone                 |                   |         |
| Created By                   | CreatedById            | Lookup(User)          |                   |         |
| Date/Time Closed             | ClosedDate             | Date/Time             |                   | ✓       |
| Date/Time Opened             | CreatedDate            | Date/Time             |                   | ✓       |
| Description                  | Description            | Long Text Area(32000) |                   |         |
| Engineering Req Number       | EngineeringReqNumber_c | Text(12)              |                   |         |
| Entitlement Name             | EntitlementId          | Lookup(Entitlement)   |                   | ✓       |
| Entitlement Process End Time | SLAExitDate            | Date/Time             |                   |         |

Student

Case | Salesforce

+

orgfarm-4ace3c9c80-dev-ed.develop.lightning.force.com/lightning/setup/ObjectManager/Case/FieldsAndRelationships/view

Search Setup

Setup Home Object Manager

Case

Details

Fields & Relationships

42 Items, Sorted by Field Label

Quick Find

New Deleted Fields Field Dependencies Set History Tracking

|               |                 |           |   |
|---------------|-----------------|-----------|---|
| Status        | Status          | Picklist  | ✓ |
| Stopped       | IsStopped       | Checkbox  |   |
| Stopped Since | StopStartDate   | Date/Time |   |
| Subject       | Subject         | Text(255) |   |
| Type          | Type            | Picklist  |   |
| Web Company   | SuppliedCompany | Text(80)  |   |
| Web Email     | SuppliedEmail   | Email     |   |
| Web Name      | SuppliedName    | Text(80)  |   |
| Web Phone     | SuppliedPhone   | Text(40)  |   |

28°C Haze

Search

ENG IN

10:40 13-09-2025

Student

Tabs | Salesforce

+

orgfarm-4ace3c9c80-dev-ed.develop.lightning.force.com/lightning/setup/CustomTabs/home

Search Setup

Setup Home Object Manager

tabs

User Interface

Rename Tabs and Labels

Tabs

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

Custom Tabs

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

Custom Object Tabs

New What Is This?

| Action     | Label             | Tab Style   | Description |
|------------|-------------------|-------------|-------------|
| Edit   Del | Drops Off Points  | Apple       |             |
| Edit   Del | Execution Details | Balls       |             |
| Edit   Del | Tasks             | Airplane    |             |
| Edit   Del | Venues            | Alarm clock |             |
| Edit   Del | Volunteers        | Bell        |             |

Web Tabs

New What Is This?

ENG - SA Game score

Search

ENG IN

10:45 13-09-2025

▼

- Student

×

Tabs | Salesforce

×

+

orgfarm-4ace3c9c80-dev-ed.develop.lightning.force.com/lightning/setup/CustomTabs/page?address=%2F01rgL00000EsnJ%3Fsetupid%3DCusto...

Search Setup

★

+

?

⚙

🔔

👤

Setup

Home

Object Manager ▼

Q tabs

▼ User Interface

Rename Tabs and Labels

Tabs

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

SETUP

Tabs

Custom Object Tab  
Drop-Off Points

Help for this Page

Below is the information for the custom tab. Click Edit to change the custom tab.

Custom Tab Definition Detail

Edit

Delete

|             |                                 |                         |                                 |
|-------------|---------------------------------|-------------------------|---------------------------------|
| Tab Label   | Drop-Off Points                 | Tab Style               | Apple                           |
| Object      | Drop-Off Point                  | Splash Page Custom Link |                                 |
| Description |                                 |                         |                                 |
| Created By  | Logeswari J. 8/30/2025, 2:42 AM | Modified By             | Logeswari J. 8/30/2025, 2:42 AM |

Hot days ahead  
30°C

Search

📅

📁

📧

📺

📶

ENG IN

10:47  
13-09-2025

▼

- Student

×

Tabs | Salesforce

×

+

orgfarm-4ace3c9c80-dev-ed.develop.lightning.force.com/lightning/setup/CustomTabs/page?address=%2F01rgL00000EsiKF%3Fsetupid%3DCusto...

Search Setup

★

+

?

⚙

🔔

👤

Setup

Home

Object Manager ▼

Q tabs

▼ User Interface

Rename Tabs and Labels

Tabs

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

SETUP

Tabs

Custom Object Tab  
Execution Details

Help for this Page

Below is the information for the custom tab. Click Edit to change the custom tab.

Custom Tab Definition Detail

Edit

Delete

|             |                                 |                         |                                 |
|-------------|---------------------------------|-------------------------|---------------------------------|
| Tab Label   | Execution Details               | Tab Style               | Balls                           |
| Object      | Execution Detail                | Splash Page Custom Link |                                 |
| Description |                                 |                         |                                 |
| Created By  | Logeswari J. 8/30/2025, 2:43 AM | Modified By             | Logeswari J. 8/30/2025, 2:43 AM |

Hot days ahead  
30°C

Search

📅

📁

📧

📺

📶

ENG IN

10:48  
13-09-2025

The screenshot displays the Salesforce Lightning Setup interface for managing Custom Tabs. The browser's address bar indicates the URL: `orgfarm-4ace3c9c80-dev-ed.develop.lightning.force.com/lightning/setup/CustomTabs/page?address=%2F01rgL00000Esrk1%3Fsetupid%3DCusto...`. The page title is "SETUP Tabs".

The left sidebar shows the "Setup" menu with "Home" and "Object Manager" options. The main content area is titled "Custom Object Tab Tasks" and includes a "Help for this Page" link. Below the title, it states: "Below is the information for the custom tab. Click Edit to change the custom tab."

The "Custom Tab Definition Detail" section displays a table with the following information:

| Tab Label | Object | Description | Created By                       | Tab Style | Splash Page Custom Link |
|-----------|--------|-------------|----------------------------------|-----------|-------------------------|
| Tasks     | Task   |             | Logeswaran J. 8/30/2025, 2:43 AM | Airplane  |                         |