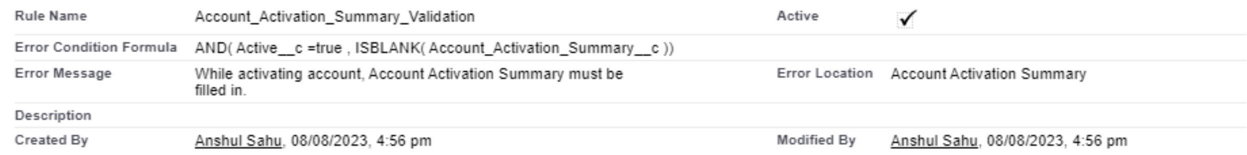
Assessment Round 1

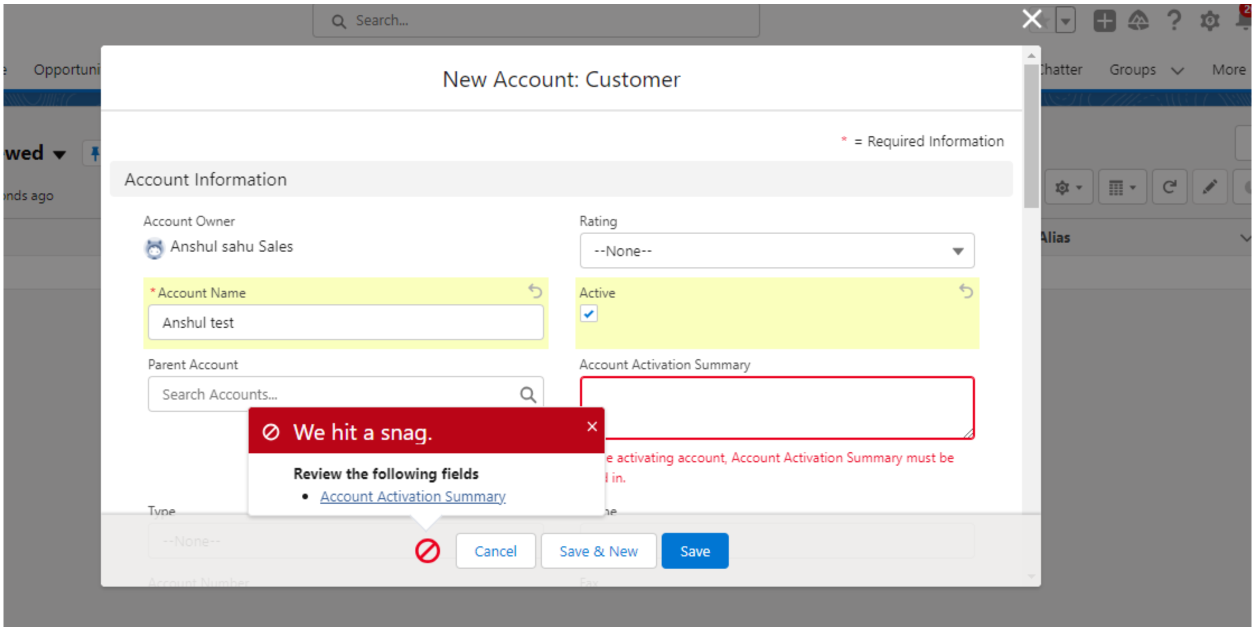
1 While activating account Without Fill the Account Activation Summary Field—>

For this case I create a validation rules –>



Rule Name	Account_Activation_Summary_Validation	Active	✓
Error Condition Formula	AND(Active__c =true , ISBLANK(Account_Activation_Summary__c))		
Error Message	While activating account, Account Activation Summary must be filled in.	Error Location	Account Activation Summary
Description			
Created By	Anshul Sahu, 08/08/2023, 4:56 pm	Modified By	Anshul Sahu, 08/08/2023, 4:56 pm

Below is screenshot with error Message



New Account: Customer

* = Required Information

Account Information

Account Owner
Anshul sahu Sales

Rating
--None--

*Account Name
Anshul test

Active
☑

Parent Account
Search Accounts...

Account Activation Summary

e activating account, Account Activation Summary must be
l in.

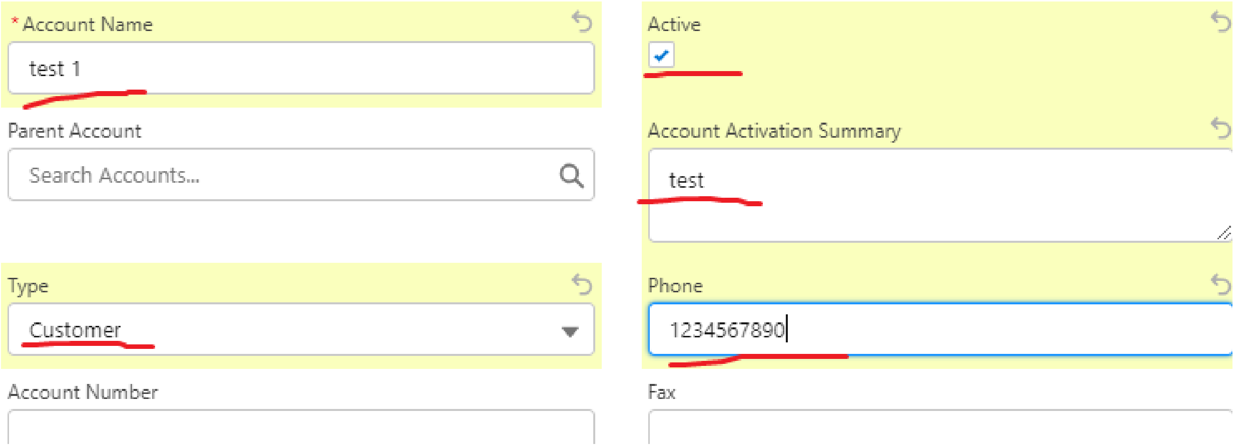
We hit a snag.

Review the following fields
- Account Activation Summary

2. When an active account record is created, or an account is activated, and there is no child contact record in Account, Create the contact With account's Value->

For this case I create a trigger on account-

Below screenshot with tested record-



* Account Name: test 1

Active: ☑

Parent Account: Search Accounts...

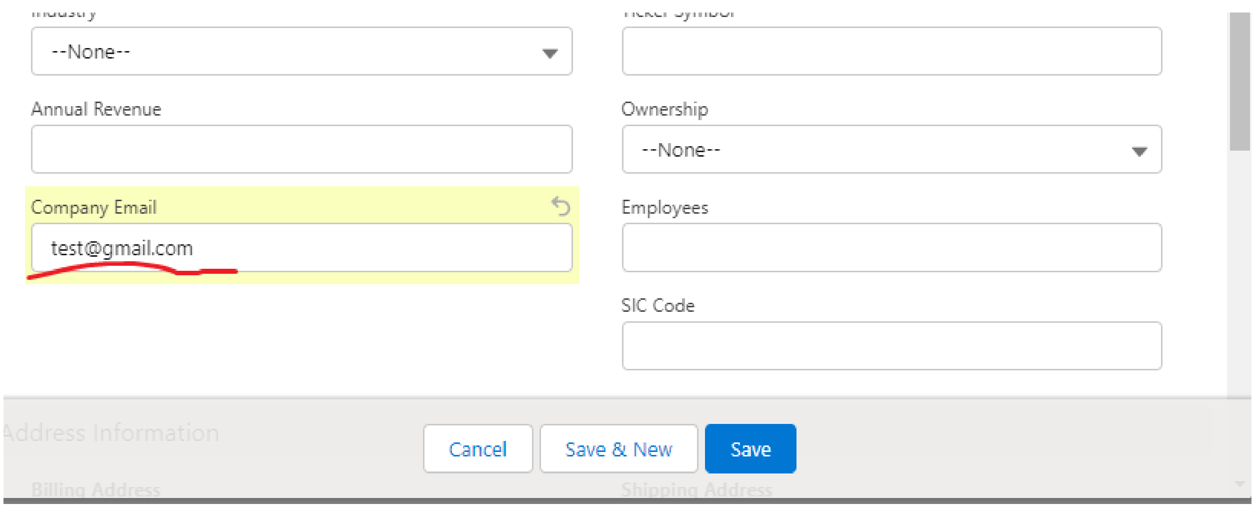
Account Activation Summary: test

Type: Customer

Phone: 1234567890

Account Number:

Fax:



Industry: --None--

Ticker Symbol:

Annual Revenue:

Ownership: --None--

Company Email: test@gmail.com

Employees:

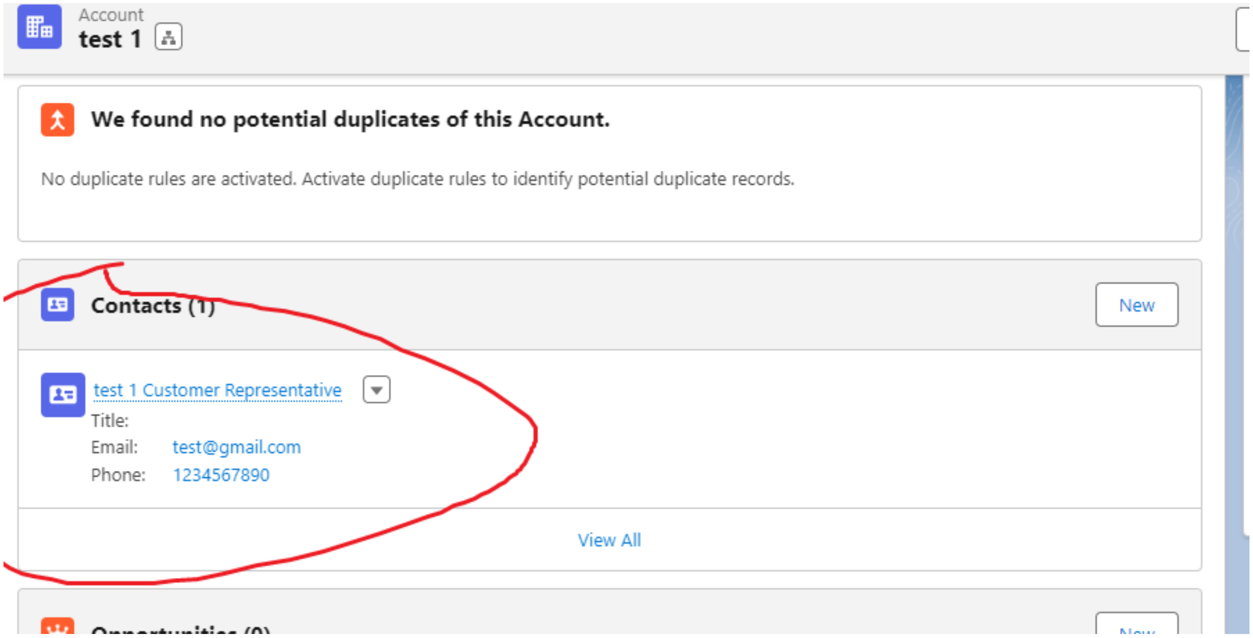
SIC Code:

Address Information

Billing Address

Shipping Address

Conatct insert →



We found no potential duplicates of this Account.

No duplicate rules are activated. Activate duplicate rules to identify potential duplicate records.

Contacts (1)

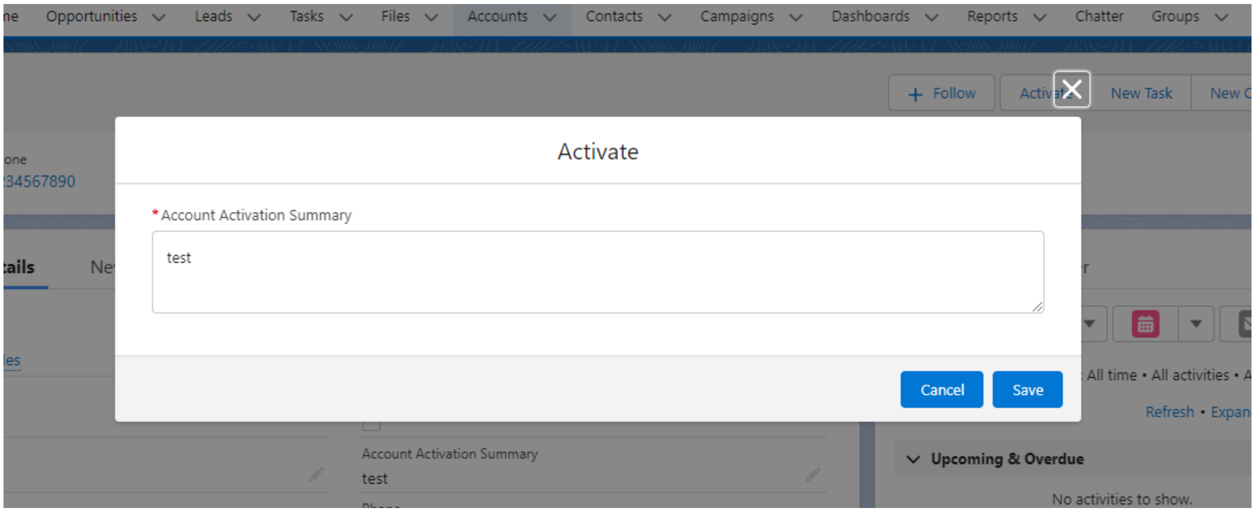
test 1 Customer Representative

Title:

Email: test@gmail.com

Phone: 1234567890

3 based on third requirement I create Action Button ->



Activate

* Account Activation Summary

test

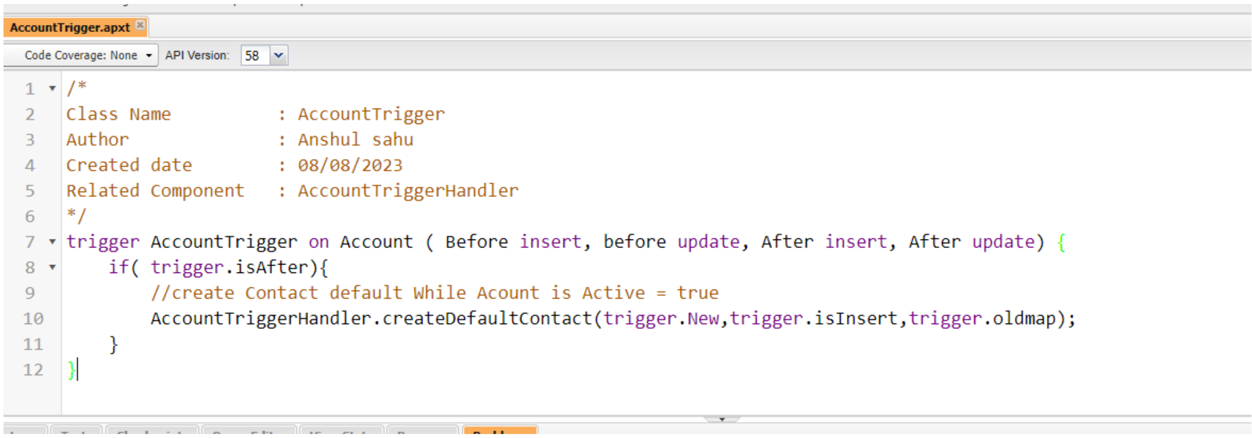
Account Activation Summary

test

I put Predefined field value--> active=true and account activation summary field is required Also action button only visible when the active =false

Apex backend components:

1) AccountTrigger



AccountTrigger.apxt

Code Coverage: None API Version: 58

```
/*
Class Name          : AccountTrigger
Author              : Anshul sahu
Created date        : 08/08/2023
Related Component   : AccountTriggerHandler
*/
trigger AccountTrigger on Account ( Before insert, before update, After insert, After update) {
    if( trigger.isAfter){
        //create Contact default While Acount is Active = true
        AccountTriggerHandler.createDefaultContact(trigger.New,trigger.isInsert,trigger.oldmap);
    }
}
```

2) AccountTriggerHandler

```
/*

Class Name              : AccountTriggerHandler

Author                  : Anshul sahu

Created date      : 08/08/2023

Description       : This helper class used in AccountTrigger

*/


public class AccountTriggerHandler {

   //create Contact default While Acount is Active = true and customer type = Customer if a default contact does not exist.

   public static void createDefaultContact(List<Account> newList, Boolean isInsert, Map<Id,Account> oldMap){

      Set<Id> accIds = new Set<Id> (); //for Store the Account ids
```

```
    List<Contact> conList = new List<Contact>(); //for Store the contacts

    for(Account acc:newList){

      if((isInsert || acc.Active__c !=oldMap.get(acc.Id).Active__c) &&
acc.Active__c == true && acc.Type == System.label.Customer ){

        accIds.add(acc.Id);

      }

    }

    if(accIds.size()>0){

      List<account> accList = [SELECT Id, Name, Phone, Company_Email__c,
(SELECT Id FROM Contacts LIMIT 1) FROM Account WHERE Id IN:accIds];

      for(Account ac:accList){

        if(ac.contacts.size()==0){

          Contact con =  CreateContact(ac);

          conList.add(con);

        }

      }

      if(conList.size()>0)

        Database.insert(conList) ; // insert the contact

    }

  }

/**************************************************

* Method Name         : createContact
* Author           : Anshul sahu
* Description      : This method is  used to create and return the contact
* Created Date  : 08/08/2023
* Related Component : createDefaultContact
*******************************************************/
    public static Contact createContact(Account acc){
        Contact con = new Contact();
        con.firstName = acc.Name;
        con.lastName = System.label.Customer_Repre;
        con.Phone = acc.Phone;
        con.Email = acc.Company_Email__c;
        con.AccountId = acc.id;
        return con;
    }
}
```