Apex Trigger Scenarios for Practice

By

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*When ever a case is created with origin as email then set status as new and Priority as Medium.*

*When ever Lead is created with LeadSource as Web then give rating as cold otherwise hot.*

*Whenever New Account Record is created then needs to create associated Contact Record automatically.*

*When ever the Account is created with Industry as Banking then create a contact for account, Contact Lastname as Account name and contact phone as account phone.*

*Creates the number of contacts which are equal to the number which we will enter in the Number of Locations field on the Account Object.*

*Upon Account Creation if Industry is not null and having value as ‘Media’ then populate Rating as Hot.*

*Upon Opportunity Creation if Amount is not null and is greater than 100000 then populate ‘Hot Opportunity’ in description field.*

*When an account inserts and CopyBillingToShipping (Custom Field) checkbox is checked then automatically copy account billing address into account shipping address.*

*Upon Creation of Position (Custom Object) if it is a New Position and Open Date,Min Pay & Max Pay are not populated then populated them with below values:*

1. *Open Date = Today’s Date*
2. *Min Pay = 10000*
3. *Max Pay = 15000*

Create a related Contact when an Account is created.

Create a related Opportunity when an Account is created.

When a Case is created on any Account, put the latest case number on the Account in the ‘Latest Case Number’ field.

Account records should have a field named ‘Recent Opportunity Amount’. It should contain the opportunity amount of the latest created opportunity on account.

On Account create two checkbox fields labeled as Contact and Opportunity. Now when a new Account record is created and if a particular Contact or Opportunity checkbox is checked then create that related record. Also Opportunity record should be created only if the Account record Active picklist is populated with a Yes.

If the Account phone is updated then populate below message in description.

Description = Phone is Updated!

Old Value : XXX &

New Value : XXX

When an account is inserted or updated and the CopyBillingToShipping checkbox is checked then automatically copy the account billing address into account shipping address.

If opportunity Stage is updated upon its creation or update then update description as either 'Opp is Closed Lost' or 'Opp is Closed Won' or 'Opp IS

Open'

If the Account phone is updated then populate the phone num

If the Account phone is updated then populate the phone number on all related Contacts (Home Phone field). [Using Parent-Child SOQL]

If the Account billing address is updated then update related contacts mailing address. [Using Map

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When a Opportunity Stage (field) is changed, create a Task record onOpportunity and assign it to Logged In User/Opportunity Owner / Any User.

Write a trigger on Account when Account Active field is updated from ‘Yes’ to ‘No’ then check all opportunities associated with the account. Update all Opportunities Stage to close lost if stage not equal to close

won

Account records cannot be deleted if active is Yes.

Prevent account record from being edited if the record is created 7 daysback.

Apply validation using addError( ) method in trigger. While Creation of Opportunity is Amount is null then throw an error message.

When an opportunity is updated to Closed Lost and Closed Lost Reason (field) is not populated then throw validation error that ‘Please populate Closed Lost Reason’ on opportunity. [before update]

Write a trigger on Account and check only System Administrator profile users should be able to delete an account.

If an opportunity is closed then, no one should be able to delete it except the user having a System Administrator profile.

Prevent deletion of an account if there is any opportunity related to that account.

Prevent deletion of an account if there is any case related to that account.

When the Employee record is deleted then update ‘Left Employee Count’ on Account.

Undelete Employee record and set Active as true.

When the Employee record is inserted, deleted and undeleted then update ‘Present Employee Count’ on related Account. [Parent-Child

SOQL]

Upon contact creation an email should be sent to email populated on Contact with specified template.

Create two record types named as “Partner Case” and “Customer Case” on

Case Object. On creation of Case, as per the record type populate the total

number of Partner Case or Customer Case on Account object. CreateCustom Fields on Account to have total numbers.

When any Opportunity is created with amount populated or

OpportunityAmount is updated then populate total Amount on Account Level for allrelated opportunities in Annual Revenue Field. If opportunity is deleted or undeleted then update Amount on Account as well. (Hint: rollup summary)

Write a trigger, if the owner of an account is changed then the owner for the related contacts should also be updated. [Using Map]

Whenever a new User having profile “System Administrator” is inserted and is Active, add the user to the public group “Admins”. Create a public group named Admins.

Write a trigger on contact to prevent duplicate records based on Contact Email.

Set OWD as Private for Account. Once an Account record is created, it should be automatically shared with any one user who belongs to Standard User profile.

when ever a create a lead object automatically converted account ,contact,opportunity

Write a trigger on contact to prevent duplicate records based on Contact Email & Contact Phone.

Write a trigger, only the system admin user should be able to delete the task.

Upload any pdf file into Document first. Send an email as an attachment to the lead email Id when a lead is created.

Email Subject: Welcome

Body: Please find the attached PDF.

Write a trigger on Contact, when contact is inserted an email should be sent to the contact email id with a specified template. So first you need to create a text template. The template Design is below.

Subject: A new Contact was Created.

Body : Dear “Contact Name”,

A new contact was created with Name: “Contact Name” on “Contact CreatedDate”. Contact your System Administrator if it was not created by you.

Thank You

Regards System Administrator.

When an opportunity line item is created an email should go to

Opportunity Account Client Contact — Client Contact would be a field on Account lookup to contact.

Write a trigger on Opportunity, when an Opportunity will insert an

Opportunity Line Item should be insert by default with any of the Products associated with Opportunity.

Write a trigger on Account when an account is update when account type changes send an email to all its contacts that your account information has been changed.

Subject: Account Update Info

Body: Your account information has been updated successfully. Account Name: XYZ.

Write a trigger on the Opportunity line item when a line item deletes delete an opportunity as well.

Once an Opportunity line item is created, insert a quotation also.

Add a field Multi-select Picklist on Account and Opportunity as well and add values A,B,C,D,F. Now if we update an Opportunity with this multiselect value Account should also update with the same picklist values.

Create an asset when create an OpportunityLineItem with associated Account.

When Contact update collect all opportunity Amount And Update this amount on Account Level Field (Total Opportunity Amount).