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Design Approach document: 1

Scenario/use case: **Trigger Scenario**

When I create a contact and link it to an account then I should be able to map only one

contact as primary contact, if I mark a secondary contact as Primary contact then I

should see an error message stating "Multiple contacts cannot be marked as primary on

the same Account”.

Estimated Dev time: 2 Hours and 30 Minutes

**Technical details:**

Approach-1 (Main Approach which you actually implementing):

Step 1: First we need to identify on which object the trigger should be fire.

Step 2: We should write a trigger on contact object, before writing the trigger we need to create a custom field on contact object named as primary contact it should be a checkbox datatype.

Step 3:in order to implement this trigger we create a trigger handler class for business logic and add all the logic inside the class with the help of a method and we need to create a apex trigger from this trigger we have to call the class and pass the new contact details to that class method.

Step 4: Now the trigger we should fire on contact object when ever the new contact is created or updated for this we are taking the trigger events as before insert and before update events.

Step 5: In this step we are calling the trigger handler class and pass the newer version of contacts with the help of trigger,new context variable.

Step 6: In the trigger handler class we create a method which accepts a list of new contacts.

Step 7: In the class level we need to declare a set to collect the account ids, Id datatype for contact id and Boolean variable is to false which is used for displaying error message.

Step 8: Now we create one list to store contacts and we iterate over the newer versions of contacts and we check the condition with if block to check for the selected primary contact is checked or not and add the related account id to getid set and add the contact id to Id variable.

Step 9: In this step we fetch the contact details in which primary contact is checked to true from getid(already) existing accounts and store it in a list variable.

Step 10: Now we check the condition the list variable size is greater than zero and iterate over the list and check the condition as ids are not equal to the contacted then we set the Boolean variable as true.

Step 11: In this final step again we iterate over the newer records and checking the condition as flag as true if it is on this contact primary contact field we display the error message.

Approach-2 (Possible Alternate Approach )– With Record trigger flows

Design Approach document: 2

Scenario/use case: **Config Scenario**

When I’m on account record, I should be able see chatter activity as a tab

Once the chatter is enabled, I should be able to see a chatter post, create a task, create a

Event.

Estimated Dev time: 2 Hours or more

**Technical details:**

Approach-1 (Main Approach which you actually implementing):

Step 1: First we should go to accounts on any application in salesforce like sales or service etc.

Step 2: now navigate to accounts detail page and select any one account record and check the chatter related list. If we found more than 3 quick links remove unwanted things from the account page layout.

Step 3: In account layout to go to quick links and edit them according to the requirement and save the layout.

Step 4: Now chatter post requirements will be displayed on the account record page.