## **Trigger Development**

## (Event - Speaker Object)

Develop a Trigger on Event - Speaker object which will throw an error if the Speaker Selected on Event - Speaker Record already have an Event against his name. i.e - For a Speaker there will be only one event at a time. Reject Duplicate Bookings

- 1. Q1 In which object the Trigger will be (Event Speaker)
- 2. Q2 What are the events (before insert, before update)

Output - Check the duplicate bookings and throw the error

```
trigger EventSpeakerTrigger on EventSpeakers__c (before insert, before update ) {
   // Step 1 - Get the speaker id & event id
   // Step 2 - SOQL on Event to get the Start Date and Put them into a Map
   // Step 3 - SOQL on Event - Speaker to get the Related Speaker along with the Event Start Date
   // Step 4 - Check the Conditions and throw the Error
   //Step 1 - Start
   Set<Id> speakerIdsSet = new Set<Id>();
   Set<Id> eventIdsSet = new Set<Id>();
   for( EventSpeakers__c es : Trigger.New ){
        speakerIdsSet.add(es.Speaker__c);
        eventIdsSet.add(es.Event__c);
   //Step 1 - End
   // Step 2 Start
   Map<Id, DateTime> requestedEvents = new Map<Id, DateTime>();
   List<Event_c> relatedEventList = [Select Id, Start_DateTime__c From Event__c
                                      Where Id IN : eventIdsSet];
   for(Event__c evt : relatedEventList ){
       requestedEvents.put(evt.Id, evt.Start_DateTime__c);
   // Step 2 End
   // Step 3 - Start
   List<EventSpeakers__c> relatedEventSpeakerList = [ SELECT Id, Event__c, Speaker__c,
                                              Event__r.Start_DateTime__c
                                               From EventSpeakers c
                                              WHERE Speaker__c IN : speakerIdsSet];
   // Step 3 - End
```

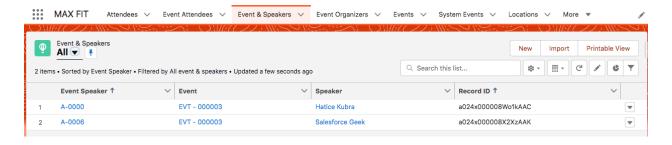
Trigger Development 1

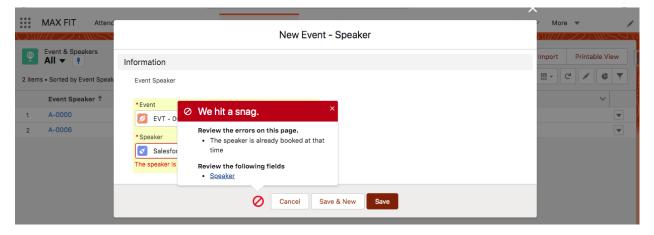
```
// Step 4 - Start
for( EventSpeakers_c es : Trigger.New ){ // - Salesforce Geek

DateTime bookingTime = requestedEvents.get(es.Event_c);
   // DateTime for that event which is associated with this new Event-Speaker Record

for(EventSpeakers_c es1 : relatedEventSpeakerList) {
   if(es1.Speaker_c == es.Speaker_c && es1.Event_r.Start_DateTime_c == bookingTime ){
      es.Speaker_c.addError('The speaker is already booked at that time');
      es.addError('The speaker is already booked at that time');
   }
}

// Step 4 - End
}
```





Trigger Development 2