# **Process Automation Specialist Superbadge**

#### **Set Up Development Org:-**

- Create a new Trailhead Playground for this superbadge. Your new org will have all the special data you need. (Be sure to create a Trailhead Playground, and not a regular Developer Edition org. Only Trailhead Playgrounds have the correct data for these challenges.) Using this org for any other reason might create problems when validating the challenges.
- Use Lightning Experience.
- Install the Package(package ID 04t46000001Zch4). If you have trouble installing a managed or unmanaged package or app from AppExchange, follow the steps in this article.

#### **Challenge 1: Automate Leads**

#### **Validation Rule**

- Check the function for Length.
- Remember to check the NULL Values in Validation rule.

#### **Queue Creation**

- This is straightforward normal Queue creation
- Create Names with related to appropriate sales team.

#### **Assignment Rule**

- Create new Assignment rule for this scenario(Do not use the standard rule).
- Make sure that you rule is Active before you validate this step.

**Tip:** Create 2 public groups (Sales Team) and assign each one queue.

#### **Challenge 2: Automate Accounts**

#### **Field Creations on Account Object**

- Number of deals Field should be a Roll-Up Summary take count of COUNT Opportunities
- **Number of won deals** Field should be a Roll-Up Summary (COUNT Opportunity) with filter criteria of Closed Won
- **Amount of won deals** Field should be a Roll-Up Summary (SUM Opportunity) with filter criteria of Closed Won
- Last won deal date Field should be a Roll-Up Summary (MAX Opportunity)
- Deal win percent Field should be a Formula(Percentage field) IF
   Number\_of\_deals\_\_c greater than 0 the , Number\_of\_won\_deals\_\_c
   /Number\_of\_deals\_\_c otherwise Zero
- Call for Service Field should be a Formula (Date) IF(OR(TODAY() 730 > Last\_won\_deal\_date\_\_c, TODAY() + 730 < Last\_won\_deal\_date\_\_c), 'Yes,'No')

#### **Validation Rules on Account Object**

• For Customer – Channel

ISCHANGED( Name ) && ISPICKVAL(Type, "Customer - Channel")

• For Customer – Direct

ISCHANGED( Name ) && ISPICKVAL(Type, "Customer – Direct")

• For Billing State/Province

NOT(

CONTAINS("AL:AK:AZ:AR:CA:CO:CT:DE:DC:FL:GA:HI:ID:" &

"IL:IN:IA:KS:KY:LA:ME:MD:MA:MI:MN:MS:MO:MT:NE:NV:NH:" &

"NJ:NM:NY:NC:ND:OH:OK:OR:PA:RI:SC:SD:TN:TX:UT:VT:VA:" &

"WA:WV:WI:WY", BillingState))

• For Billing Country

BillingCountry <> "US" && BillingCountry <> "USA" && BillingCountry <> "United States" && NOT(ISBLANK(BillingCountry))

• For Shipping State/Province and Shipping Country

Don't forget replicate For Shipping State/Province and Shipping Country same as Billing State/Province and Billing Country validation which I have mentioned above.

#### **Challenge 3: Create Robot Setup Object**

It can be done easily:

- Create a object and make sure the object name should be Robot\_Setup\_\_c
- Edit the Robot name(Standard field) switch the data type from Text to AutoNumber and make sure the display format should be ROBOT SETUP-{0000}
- Create following fields with correct data type:

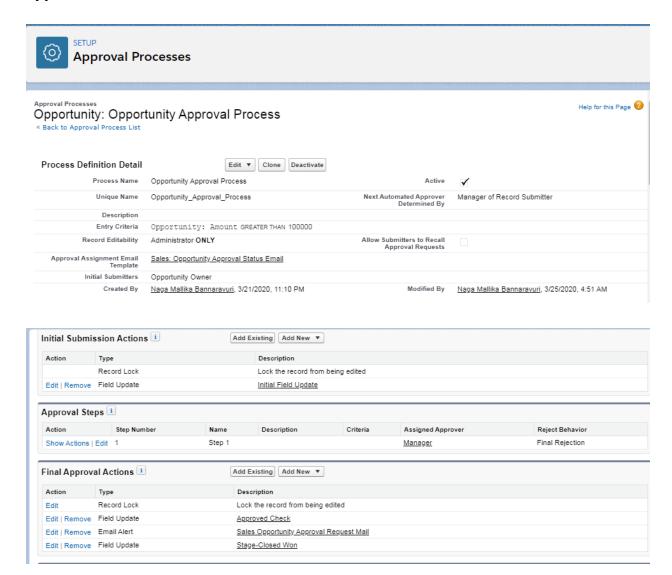
#### **Challenge 4: Create Sales Process and Validate Opportunities**

- Create Sales Process in Opportunity; the name should be *RB Robotics Sales Process*.
- Create a record type; the name should be **RB Robotics Process RT**.
- Add Awaiting Approval value in opportunity Stage don't forget to add RB Robotics Process RT record type.
- Create a Checkbox field and Name it Approved.
- Write a validation rule as below:

AND( Amount > 100000, Approved\_\_c = False)

## **Challenge 5: Automate Opportunities**

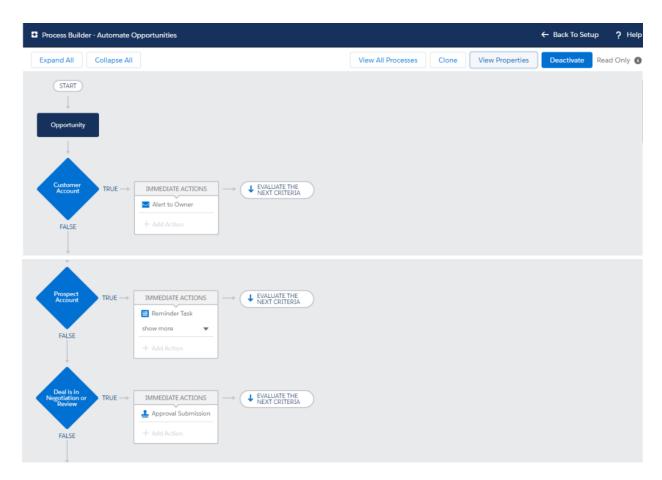
#### Approval Process Definition Detail: See the screenshot below for details

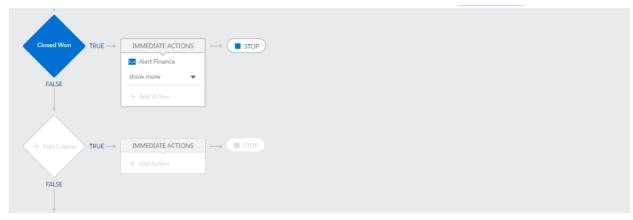




It's time to create **Process Builder**.

## Name: Automate Opportunities

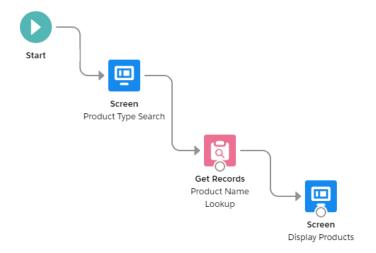




**Note**: If you have trouble in creating process builder, comment the errors you are getting, so that I will guide you to process it.

## **Challenge 6: Create Flow for Opportunities**

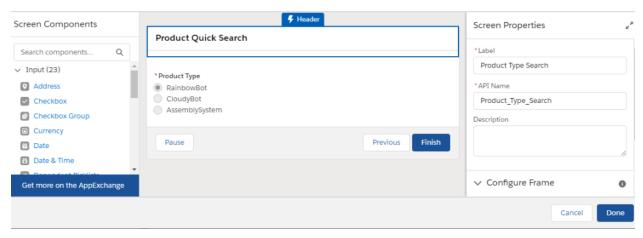
Create the flow to display products.





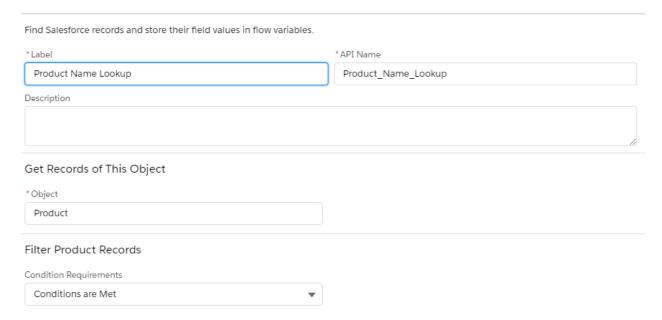
Screen (Product Type Search) Properties:

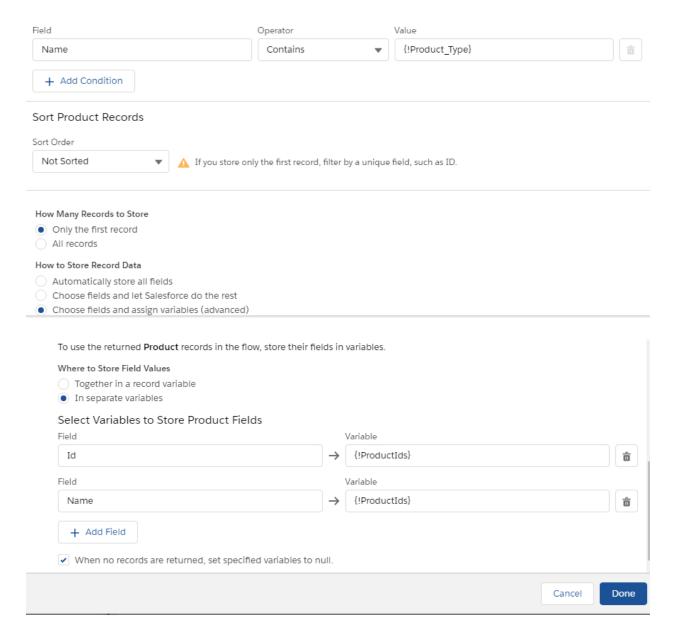
#### Edit Screen



## Get Records (Product Name Lookup) Properties:

#### Edit Get Records

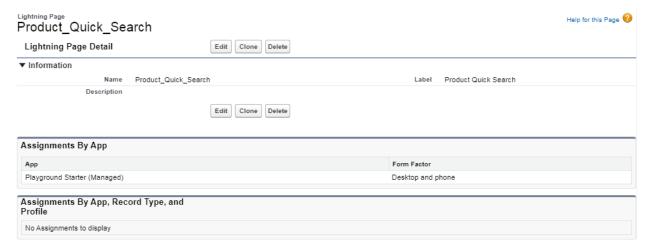




- Activate the flow
- Add the flow to the opportunity screen using app builder.

Create a Record Page on Opportunity Object:

Go to Lightning App Builder page and click new. Record Page Properties are as follows



- Add the component on newly created Opportunity Record Page.
- Please don't forgot to Activate the page.

#### **Challenge 7: Automate Setup**

• Change the datatype for "Day of the week" field from TEXT to Formula (TEXT) and use the following the formula to get Day of the week

```
CASE( MOD( Date_c - DATE(1900, 1, 7), 7), 0, "Sunday", 1, "Monday", 2, "Tuesday", 3, "Wednesday", 4, "Thursday", 5, "Friday", 6, "Saturday", "Error")
```

Or You can use this formula also instead of above formula

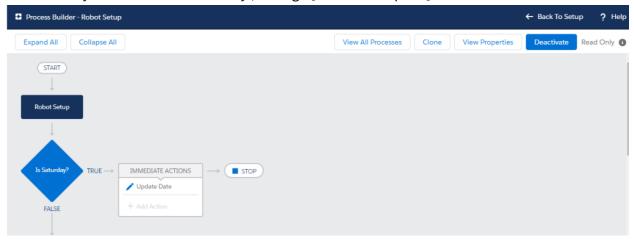
```
CASE(WEEKDAY( Date__c),
1, "Sunday",
2, "Monday",
3, "Tuesday",
4, "Wednesday",
5, "Thursday",
6, "Friday",
7, "Saturday",
Text(WEEKDAY( Date__c)))
```

Create Another Process Builder (Name: Robot Setup)

Conditions are as below:

If Day of the week is Saturday, change [Robot\_Setup\_\_c].Date\_\_c +2

• If Day of the week is Saturday , change [Robot\_Setup\_\_c].Date\_\_c +1



Activate the Process and you are done!

## **APEX SPECIALIST SUPERBADGE**

## **Set Up Development Org:-**

- 1. Create a new Trailhead Playground for this superbadge.
- 2. Install this unlocked package (package ID: 04t6g000008av9iAAA).
- 3. Add picklist values Repair and Routine Maintenance to the Type field on the Case object.
- 4. Update the Case page layout assignment to use the Case (HowWeRoll) Layout for your profile.
- 5. Rename the tab/label for the Case tab to Maintenance Request.
- 6. Update the Product page layout assignment to use the Product (HowWeRoll) Layout for your profile.
- 7. Rename the tab/label for the Product object to Equipment.
- 8. Click on App Launcher and search Create Default Data then Click Create Data to generate sample data for the application.

# <u>Challenge 1</u>

#### **Quiz**

There is a basic quiz on the reles on not sharing the superbadge answers.

# <u>Challenge 2</u> Automated Record Creation

- 1.Go to the App Launcher -> Search How We Roll Maintenance -> click on Maintenance Requests -> click on first case -> click Details -> change the type Repair to Routine Maintenance -> select Origin = Phone -> Vehicle = select Teardrop Camper , save it.
- 2.Feed -> Close Case = save it..
- 3.Go to the Object Manager -> Maintenance Request -> Field & Relationships -> New -> Lookup Relationship -> next -> select Equipment -> next -> Field Label = Equipment -> next-> next-> next -> save it .
- 4. Now go to the developer console use below code.

#### MaintenanceRequestHelper.apxc

```
public with sharing class MaintenanceRequestHelper {
 public static void updateworkOrders(List<Case> updWorkOrders, Map<Id,Case>
nonUpdCaseMap) {
   Set<Id> validIds = new Set<Id>();
   For (Case c : updWorkOrders){
     if (nonUpdCaseMap.get(c.Id).Status != 'Closed' && c.Status == 'Closed'){
       if (c.Type == 'Repair' || c.Type == 'Routine Maintenance'){
         validIds.add(c.Id);
   if (!validIds.isEmpty()){
     List<Case> newCases = new List<Case>();
     Map<Id,Case> closedCasesM = new Map<Id,Case>([SELECT Id, Vehicle c,
Equipment_c, Equipment_r.Maintenance_Cycle_c,(SELECT
Id,Equipment__c,Quantity__c FROM Equipment_Maintenance_Items__r)
                          FROM Case WHERE Id IN :validIds]);
     Map<Id,Decimal> maintenanceCycles = new Map<ID,Decimal>();
     AggregateResult[] results = [SELECT Maintenance_Request__c,
MIN(Equipment__r.Maintenance_Cycle__c)cycle FROM
Equipment_Maintenance_Item__c WHERE Maintenance_Request__c IN :ValidIds
GROUP BY Maintenance Request c];
   for (AggregateResult ar : results){
     maintenanceCycles.put((Id) ar.get('Maintenance_Request__c'), (Decimal)
ar.get('cycle'));
     for(Case cc : closedCasesM.values()){
```

```
Case nc = new Case (
         ParentId = cc.Id.
       Status = 'New'.
         Subject = 'Routine Maintenance',
         Type = 'Routine Maintenance',
         Vehicle__c = cc.Vehicle__c,
         Equipment__c = cc.Equipment__c,
         Origin = 'Web',
         Date_Reported__c = Date.Today()
       );
       If (maintenanceCycles.containskey(cc.Id)){
         nc.Date_Due__c = Date.today().addDays((Integer)
maintenanceCycles.get(cc.Id));
       } else {
         nc.Date_Due__c = Date.today().addDays((Integer)
cc.Equipment__r.maintenance_Cycle__c);
       }
       newCases.add(nc);
     insert newCases:
     List<Equipment_Maintenance_Item__c> clonedWPs = new
List<Equipment_Maintenance_Item__c>();
     for (Case nc : newCases){
       for (Equipment_Maintenance_Item__c wp:
closedCasesM.get(nc.ParentId).Equipment_Maintenance_Items__r){
         Equipment_Maintenance_Item__c wpClone = wp.clone();
         wpClone.Maintenance_Request__c = nc.Id;
         ClonedWPs.add(wpClone);
     insert ClonedWPs:
```

```
}
}
!
```

#### MaitenanceRequest.apxt

```
trigger MaintenanceRequest on Case (before update, after update) {
    if(Trigger.isUpdate && Trigger.isAfter) {
        MaintenanceRequestHelper.updateWorkOrders(Trigger.New, Trigger.OldMap);
    }
```

- 1. After saving the code go back the How We Roll Maintenance,
- 2. click on Maintenance Requests -> click on 2nd case -> click Details -> change the type Repair to Routine Maintenance -> select Origin = Phone -> Vehicle = select Teardrop Camper, save it.
- 3. Feed -> Close Case = save it...

Now check challenge.

# <u>Challenge 3</u>

# Synchronize Salesforce data with an external system

- Setup -> Search in quick find box -> click Remote Site Settings -> Name =
   Warehouse URL, Remote Site URL = https://th-superbadge apex.herokuapp.com, make sure active is selected.
- Go to the developer console use below code .

## WarehouseCalloutService.apxc:-

public with sharing class WarehouseCalloutService implements Queueable {
 private static final String WAREHOUSE\_URL = 'https://th-superbadgeapex.herokuapp.com/equipment';

//class that makes a REST callout to an external warehouse system to get a list of equipment that needs to be updated.

//The callout's JSON response returns the equipment records that you upsert in Salesforce.

```
@future(callout=true)
  public static void runWarehouseEquipmentSync(){
   Http http = new Http();
   HttpRequest request = new HttpRequest();
   request.setEndpoint(WAREHOUSE_URL);
   request.setMethod('GET');
   HttpResponse response = http.send(request);
   List<Product2> warehouseEq = new List<Product2>();
    if (response.getStatusCode() == 200){
     List<Object> jsonResponse =
(List<Object>)JSON.deserializeUntyped(response.getBody());
     System.debug(response.getBody());
     //class maps the following fields: replacement part (always true), cost, current
inventory, lifespan, maintenance cycle, and warehouse SKU
     //warehouse SKU will be external ID for identifying which equipment records
to update within Salesforce
     for (Object eq: jsonResponse){
       Map<String,Object> mapJson = (Map<String,Object>)eq;
       Product2 myEq = new Product2();
       myEq.Replacement Part c = (Boolean) mapJson.get('replacement');
       myEq.Name = (String) mapJson.get('name');
       myEq.Maintenance_Cycle__c = (Integer)
mapJson.get('maintenanceperiod');
       myEq.Lifespan_Months__c = (Integer) mapJson.get('lifespan');
       myEq.Cost__c = (Integer) mapJson.get('cost');
       myEq.Warehouse_SKU__c = (String) mapJson.get('sku');
       myEq.Current_Inventory__c = (Double) mapJson.get('quantity');
       myEq.ProductCode = (String) mapJson.get('_id');
```

```
warehouseEq.add(myEq);
}

if (warehouseEq.size() > 0){
   upsert warehouseEq;
   System.debug('Your equipment was synced with the warehouse one');
}

public static void execute (QueueableContext context){
   runWarehouseEquipmentSync();
}
```

# After saving the code open execute anonymous window ( CTRl+E ) and run this method ,

System.enqueueJob(new WarehouseCalloutService());

Now check Challenge.

# **Challenge 4**

## Schedule synchronization using Apex code

• Go to the developer console use below code,

## WarehouseSyncShedule.apxc:-

```
global with sharing class WarehouseSyncSchedule implements Schedulable{
  global void execute(SchedulableContext ctx){
    System.enqueueJob(new WarehouseCalloutService());
  }
}
```

Save it, after that...

• Go to setup -> Seacrh in Quick find box -> Apex Classes -> click Schedule

Apex and Jb Name = WarehouseSyncScheduleJob , Apex Class = WarehouseSyncSchedule as it is below shown in the image ,



Now check challenge.

# <u>Challenge 5</u> Test automation logic

• Go to the developer console use below code,

# ${\bf Maintenance Request Helper Test. apx c:-}$

```
@istest
public with sharing class MaintenanceRequestHelperTest {
   private static final string STATUS_NEW = 'New';
   private static final string WORKING = 'Working';
```

```
private static final string CLOSED = 'Closed';
  private static final string REPAIR = 'Repair';
  private static final string REQUEST ORIGIN = 'Web';
  private static final string REQUEST_TYPE = 'Routine Maintenance';
  private static final string REQUEST_SUBJECT = 'Testing subject';
  PRIVATE STATIC Vehicle c createVehicle(){
   Vehicle c Vehicle = new Vehicle C(name = 'SuperTruck');
   return Vehicle:
 }
 PRIVATE STATIC Product2 createEq(){
   product2 equipment = new product2(name = 'SuperEquipment',
                   lifespan months C = 10,
                   maintenance cycle C = 10,
                   replacement_part__c = true);
   return equipment;
 PRIVATE STATIC Case createMaintenanceRequest(id vehicleId, id equipmentId){
   case cs = new case(Type=REPAIR,
            Status=STATUS_NEW,
            Origin=REQUEST ORIGIN,
            Subject=REQUEST_SUBJECT,
            Equipment__c=equipmentId,
            Vehicle c=vehicleId);
   return cs;
 }
  PRIVATE STATIC Equipment Maintenance Item c createWorkPart(id
equipmentId,id requestId){
   Equipment_Maintenance_Item__c wp = new
Equipment_Maintenance_Item__c(Equipment__c = equipmentId,
                                    Maintenance_Request__c = requestId);
   return wp;
```

```
private static void testMaintenanceRequestPositive(){
   Vehicle c vehicle = createVehicle();
   insert vehicle:
   id vehicleId = vehicle.Id;
   Product2 equipment = createEq();
   insert equipment;
   id equipmentId = equipment.Id;
   case somethingToUpdate = createMaintenanceRequest(vehicleId,equipmentId);
   insert somethingToUpdate;
   Equipment_Maintenance_Item__c workP =
createWorkPart(equipmentId,somethingToUpdate.id);
   insert workP:
   test.startTest();
   somethingToUpdate.status = CLOSED;
   update somethingToUpdate;
   test.stopTest();
   Case newReq = [Select id, subject, type, Equipment_c, Date_Reported_c,
Vehicle c, Date Due c
          from case
          where status =: STATUS_NEW];
   Equipment_Maintenance_Item__c workPart = [select id
                       from Equipment_Maintenance_Item__c
                       where Maintenance_Request__c =:newReq.Id];
   system.assert(workPart != null);
   system.assert(newReq.Subject != null);
   system.assertEquals(newReq.Type, REQUEST_TYPE);
   SYSTEM.assertEquals(newReq.Equipment_c, equipmentId);
   SYSTEM.assertEquals(newReq.Vehicle__c, vehicleId);
```

@istest

```
SYSTEM.assertEquals(newReq.Date_Reported__c, system.today());
 }
  @istest
  private static void testMaintenanceRequestNegative(){
   Vehicle__C vehicle = createVehicle();
   insert vehicle:
   id vehicleId = vehicle.Id;
   product2 equipment = createEq();
   insert equipment;
   id equipmentId = equipment.Id;
   case emptyReq = createMaintenanceRequest(vehicleId,equipmentId);
   insert emptyReq;
    Equipment_Maintenance_Item__c workP = createWorkPart(equipmentId,
emptyReq.Id);
   insert workP;
   test.startTest();
   emptyReq.Status = WORKING;
   update emptyReq;
   test.stopTest();
   list<case> allRequest = [select id
                from case];
   Equipment_Maintenance_Item__c workPart = [select id
                        from Equipment_Maintenance_Item__c
                        where Maintenance_Request__c = :emptyReq.Id];
   system.assert(workPart != null);
   system.assert(allRequest.size() == 1);
 }
  @istest
```

```
private static void testMaintenanceRequestBulk(){
    list<Vehicle__C> vehicleList = new list<Vehicle__C>();
    list<Product2> equipmentList = new list<Product2>();
    list<Equipment_Maintenance_Item__c> workPartList = new
list<Equipment_Maintenance_Item__c>();
    list<case> requestList = new list<case>();
    list<id> oldRequestIds = new list<id>();
    for(integer i = 0; i < 300; i++){
     vehicleList.add(createVehicle());
      equipmentList.add(createEq());
    insert vehicleList;
    insert equipmentList;
    for(integer i = 0; i < 300; i++){
      requestList.add(createMaintenanceRequest(vehicleList.get(i).id,
equipmentList.get(i).id));
    insert requestList;
    for(integer i = 0; i < 300; i++){
      workPartList.add(createWorkPart(equipmentList.get(i).id,
requestList.get(i).id));
    insert workPartList:
    test.startTest();
    for(case req : requestList){
      req.Status = CLOSED;
      oldRequestIds.add(req.Id);
    update requestList;
    test.stopTest();
    list<case> allRequests = [select id
                 from case
```

```
where status =: STATUS NEW];
   list<Equipment_Maintenance_Item__c> workParts = [select id
                           from Equipment_Maintenance_Item__c
                           where Maintenance_Request_c in: oldRequestIds];
   system.assert(allRequests.size() == 300);
 }
MaintenanceRequestHelper.apxc:-
public with sharing class MaintenanceRequestHelper {
  public static void updateworkOrders(List<Case> updWorkOrders, Map<Id,Case>
nonUpdCaseMap) {
   Set<Id> validIds = new Set<Id>();
   For (Case c : updWorkOrders){
     if (nonUpdCaseMap.get(c.Id).Status != 'Closed' && c.Status == 'Closed'){
       if (c.Type == 'Repair' || c.Type == 'Routine Maintenance'){
         validIds.add(c.Id):
   if (!validIds.isEmpty()){
     List<Case> newCases = new List<Case>();
     Map<Id,Case> closedCasesM = new Map<Id,Case>([SELECT Id, Vehicle__c,
Equipment_c, Equipment_r.Maintenance_Cycle_c,(SELECT
Id,Equipment__c,Quantity__c FROM Equipment_Maintenance_Items__r)
                          FROM Case WHERE Id IN :validIds]);
     Map<Id,Decimal> maintenanceCycles = new Map<ID,Decimal>();
     AggregateResult[] results = [SELECT Maintenance_Request__c,
MIN(Equipment_r.Maintenance_Cycle_c)cycle FROM
```

```
Equipment_Maintenance_Item__c WHERE Maintenance_Request__c IN :ValidIds
GROUP BY Maintenance_Request__c];
   for (AggregateResult ar : results){
     maintenanceCycles.put((Id) ar.get('Maintenance_Request__c'), (Decimal)
ar.get('cycle'));
     for(Case cc : closedCasesM.values()){
       Case nc = new Case (
         ParentId = cc.Id.
       Status = 'New',
         Subject = 'Routine Maintenance',
         Type = 'Routine Maintenance',
         Vehicle c = cc. Vehicle c,
         Equipment__c = cc.Equipment__c,
         Origin = 'Web',
         Date_Reported__c = Date.Today()
       );
       If (maintenanceCycles.containskey(cc.Id)){
         nc.Date_Due__c = Date.today().addDays((Integer)
maintenanceCycles.get(cc.Id));
       newCases.add(nc);
     insert newCases:
     List<Equipment_Maintenance_Item__c> clonedWPs = new
List<Equipment_Maintenance_Item__c>();
     for (Case nc : newCases){
       for (Equipment_Maintenance_Item__c wp :
```

closedCasesM.get(nc.ParentId).Equipment Maintenance Items r){

Equipment\_Maintenance\_Item\_\_c wpClone = wp.clone();

```
wpClone.Maintenance_Request__c = nc.Id;
    ClonedWPs.add(wpClone);

}
insert ClonedWPs;
}

MaintenanceRequest.apxt:-
trigger MaintenanceRequest on Case (before update, after update) {
    if(Trigger.isUpdate && Trigger.isAfter){
        MaintenanceRequestHelper.updateWorkOrders(Trigger.New, Trigger.OldMap);
    }
}
run all
```

# <u>Challenge 6</u> Test callout logic

• Go to the developer console use below code ,

## WarehouseCalloutService.apxc:-

Now check challenge.

```
public with sharing class WarehouseCalloutService {
   private static final String WAREHOUSE_URL = 'https://th-superbadge-
apex.herokuapp.com/equipment';
```

```
//@future(callout=true)
 public static void runWarehouseEquipmentSync(){
   Http http = new Http();
   HttpRequest request = new HttpRequest();
   request.setEndpoint(WAREHOUSE URL);
   request.setMethod('GET');
   HttpResponse response = http.send(request);
   List<Product2> warehouseEq = new List<Product2>();
   if (response.getStatusCode() == 200){
     List<Object> jsonResponse =
(List<Object>)JSON.deserializeUntyped(response.getBody());
     System.debug(response.getBody());
     for (Object eq : jsonResponse){
       Map<String,Object> mapJson = (Map<String,Object>)eq;
       Product2 myEq = new Product2();
       myEq.Replacement_Part__c = (Boolean) mapJson.get('replacement');
       myEq.Name = (String) mapJson.get('name');
       myEq.Maintenance_Cycle__c = (Integer) mapJson.get('maintenanceperiod');
       myEq.Lifespan_Months__c = (Integer) mapJson.get('lifespan');
       myEq.Cost__c = (Decimal) mapJson.get('lifespan');
       myEq.Warehouse_SKU__c = (String) mapJson.get('sku');
       myEq.Current_Inventory__c = (Double) mapJson.get('quantity');
       warehouseEq.add(myEq);
     if (warehouseEq.size() > 0){
       upsert warehouseEq;
       System.debug('Your equipment was synced with the warehouse one');
       System.debug(warehouseEq);
```

```
WarehouseCalloutServiceTest.apxc:-
@isTest
private class WarehouseCalloutServiceTest {
  @isTest
  static void testWareHouseCallout(){
   Test.startTest();
   // implement mock callout test here
   Test.setMock(HTTPCalloutMock.class, new WarehouseCalloutServiceMock());
   WarehouseCalloutService.runWarehouseEquipmentSync();
   Test.stopTest();
   System.assertEquals(1, [SELECT count() FROM Product2]);
 }
WarehouseCalloutServiceMock.apxc:-
@isTest
global class WarehouseCalloutServiceMock implements HttpCalloutMock {
  // implement http mock callout
  global static HttpResponse respond(HttpRequest request){
   System.assertEquals('https://th-superbadge-apex.herokuapp.com/equipment',
request.getEndpoint());
    System.assertEquals('GET', request.getMethod());
   // Create a fake response
   HttpResponse response = new HttpResponse();
   response.setHeader('Content-Type', 'application/json');
response.setBody('[{"_id":"55d66226726b611100aaf741","replacement":false,"quant
ity":5,"name":"Generator 1000
kW","maintenanceperiod":365,"lifespan":120,"cost":5000,"sku":"100003"}]');
    response.setStatusCode(200);
   return response;
```

```
}
run all
Now check challenge.
```

# <u>Challenge 7</u> Test scheduling logic

• Go to the developer console use below code,

```
WarehouseSyncSchedule.apxc:-
global class WarehouseSyncSchedule implements Schedulable {
  global void execute(SchedulableContext ctx) {
   WarehouseCalloutService.runWarehouseEquipmentSync();
 }
WarehouseSyncScheduleTest.apxc:-
@isTest
public class WarehouseSyncScheduleTest {
  @isTest static void WarehousescheduleTest(){
   String scheduleTime = '00 00 01 * * ?';
   Test.startTest():
   Test.setMock(HttpCalloutMock.class, new WarehouseCalloutServiceMock());
    String jobID=System.schedule('Warehouse Time To Schedule to Test',
scheduleTime, new WarehouseSyncSchedule());
   Test.stopTest();
   //Contains schedule information for a scheduled job. CronTrigger is similar to a
cron job on UNIX systems.
    // This object is available in API version 17.0 and later.
   CronTrigger a=[SELECT Id FROM CronTrigger where NextFireTime > today];
   System.assertEquals(jobID, a.Id, 'Schedule ');
```

## run all

Now check challenge.