1Project Doc: 2 Superbadges

Process Automation-Super-badge:

1.Here we have automated leads for the company where according to the validation rules and
assignment rules for whom the leads have to be sent have been set
2.Accounts have been automated and a new object named "Robot setup" have been created
which checks for the leads and availabilty according to the validations rules and the flows.
3.A Sales process have been created which checks for the sales and automates the process of
sales
4.Opportunities have also been automated which is all monitered by a user"Nushi Davoud"
where he is the one who makes the desicion.
5.A flow named "Product quick search" have been created which automates products according
to different categery.
6.A process have been created which sets up the date and describes about the bussiness
requirements.
7.Finally all the Automation for taking in leads to changing,creating,sending email allerts and
updating records are all have been done.

Apex Specialist Super-Badge:

1. This is a trigger that automates a Maintenance request when any new record iscreated or updated.

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

2.This is a Helper class which gets activated by the Request trigger which creats an time slot for
the maintenance.

```
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);
}
}
}
//When an existing maintenance request of type Repair or Routine
Maintenance is
closed,
//create a new maintenance request for a future routine checkup.
if (!validIds.isEmpty()){
Map<Id,Case> closedCases = 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>();
//calculate the maintenance request due dates by using the
maintenance cycle
defined on the related equipment records.
AggregateResult[] results = [SELECT Maintenance_Request__c,
MIN(Equipment__r.Maintenance_Cycle__c)cycle
```

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