# **Apex Specialist**

# 2)Automate record creation MaintenanceRequest.cls

MaintenanceRequestHelper.cls

```
public with sharing class MaintenanceRequestHelper {
2
      public static void updateworkOrders(List<Case>
  updWorkOrders, Map<Id,Case> nonUpdCaseMap) {
          Set<Id> validIds = new Set<Id>();
3
4
          For (Case c : updWorkOrders){
5
              if (nonUpdCaseMap.get(c.Id).Status != 'Closed'
  && c.Status == 'Closed'){
6
                  if (c.Type == 'Repair' || c.Type ==
  'Routine Maintenance'){
7
                       validIds.add(c.Id);
8
                   }
9
              }
10
          }
11
12
          //When an existing maintenance request of type
13
          if (!validIds.isEmpty()){
14
15
              Map<Id,Case> closedCases = new
```

```
Map<Id,Case>([SELECT Id, Vehicle__c, Equipment__c,
  Equipment__r.Maintenance_Cycle__c,
16
  (SELECT Id, Equipment__c, Quantity__c FROM
  Equipment_Maintenance_Items__r)
17
  FROM Case WHERE Id IN :validIds]);
              Map<Id,Decimal> maintenanceCycles = new
18
  Map<ID,Decimal>();
19
20
  by using the maintenance cycle defined on the related
  equipment records.
21
              AggregateResult[] results = [SELECT
  Maintenance Request c,
22
  MIN(Equipment__r.Maintenance_Cycle__c)cycle
23
                                            FROM
  Equipment_Maintenance_Item__c
24
                                            WHERE
  Maintenance_Request__c IN :ValidIds GROUP BY
  Maintenance Request c];
25
26
              for (AggregateResult ar : results){
27
                  maintenanceCycles.put((Id)
  ar.get('Maintenance_Request__c'), (Decimal)
  ar.get('cycle'));
28
              }
29
              List<Case> newCases = new List<Case>();
30
31
              for(Case cc : closedCases.values()){
                  Case nc = new Case (
32
33
                       ParentId = cc.Id,
34
                       Status = 'New',
                       Subject = 'Routine Maintenance',
35
                      Type = 'Routine Maintenance',
36
                      Vehicle c = cc. Vehicle c,
37
```

```
38
                       Equipment__c =cc.Equipment__c,
39
                       Origin = 'Web',
                       Date Reported c = Date.Today()
40
41
                   );
42
43
                   //define the due date by applying the
44
45
  (maintenanceCycles.containskey(cc.Id)){
46
                       nc.Date_Due__c =
  Date.today().addDays((Integer)
  maintenanceCycles.get(cc.Id));
47
48
49
50
51
                   newCases.add(nc);
52
              }
53
54
              insert newCases;
55
              List<Equipment_Maintenance_Item__c> clonedList
56
  = new List<Equipment_Maintenance_Item__c>();
               for (Case nc : newCases){
57
58
                   for (Equipment_Maintenance_Item__c
  clonedListItem :
  closedCases.get(nc.ParentId).Equipment_Maintenance_Items__r
  ) {
59
                       Equipment_Maintenance_Item__c item =
  clonedListItem.clone();
60
                       item.Maintenance_Request__c = nc.Id;
                       clonedList.add(item);
61
```

```
62 }
63 }
64 insert clonedList;
65 }
66 }
67}
```

# 3)Synchronize Salesforce data with an external system WarehouseCalloutService

```
public with sharing class WarehouseCalloutService implements
  Queueable {
      private static final String WAREHOUSE_URL = 'https://th-
2
3
      //Write a class that makes a REST callout to an external
4
5
6
7
      @future(callout=true)
      public static void runWarehouseEquipmentSync(){
8
9
          System.debug('go into runWarehouseEquipmentSync');
10
          Http http = new Http();
11
          HttpRequest request = new HttpRequest();
12
13
          request.setEndpoint(WAREHOUSE_URL);
14
          request.setMethod('GET');
15
          HttpResponse response = http.send(request);
16
17
          List<Product2> product2List = new List<Product2>();
18
          System.debug(response.getStatusCode());
19
          if (response.getStatusCode() == 200){
               List<Object> jsonResponse =
20
   (List<Object>) JSON.deserializeUntyped(response.getBody());
               System.debug(response.getBody());
21
22
23
24
```

```
which equipment records to update within Salesforce
25
               for (Object jR : jsonResponse){
26
                   Map<String,Object> mapJson =
   (Map<String,Object>)jR;
                   Product2 product2 = new Product2();
27
28
29
                   product2.Replacement_Part_ c = (Boolean)
  mapJson.get('replacement');
30
31
                   product2.Cost__c = (Integer) mapJson.get('cost');
32
                   product2.Current_Inventory__c = (Double)
33
  mapJson.get('quantity');
34
                   product2.Lifespan_Months__c = (Integer)
35
  mapJson.get('lifespan');
                   //maintenance cycle
36
37
                   product2.Maintenance_Cycle__c = (Integer)
  mapJson.get('maintenanceperiod');
38
39
                   product2.Warehouse_SKU__c = (String)
  mapJson.get('sku');
40
                   product2.Name = (String) mapJson.get('name');
41
42
                   product2.ProductCode = (String)
  mapJson.get('_id');
43
                   product2List.add(product2);
44
45
               if (product2List.size() > 0){
46
47
                   upsert product2List;
48
                   System.debug('Your equipment was synced with the
49
              }
50
          }
51
52
      public static void execute (QueueableContext context){
53
           System.debug('start runWarehouseEquipmentSync');
54
55
           runWarehouseEquipmentSync();
```

#### 4) Schedule synchronization

class;WarehouseCalloutService

```
1 public with sharing class WarehouseCalloutService
  implements Queueable {
      private static final String WAREHOUSE_URL =
2
  'https://th-superbadge-apex.herokuapp.com/equipment';
3
4
  needs to be updated.
5
      //The callout's JSON response returns the equipment
  records that you upsert in Salesforce.
6
7
      @future(callout=true)
      public static void runWarehouseEquipmentSync(){
8
9
          System.debug('go into runWarehouseEquipmentSync');
          Http http = new Http();
10
          HttpRequest request = new HttpRequest();
11
12
          request.setEndpoint(WAREHOUSE_URL);
13
          request.setMethod('GET');
14
          HttpResponse response = http.send(request);
15
16
17
          List<Product2> product2List = new List<Product2>();
          System.debug(response.getStatusCode());
18
19
          if (response.getStatusCode() == 200){
20
              List<Object> jsonResponse =
  (List<Object>) JSON.deserializeUntyped(response.getBody());
              System.debug(response.getBody());
21
22
23
```

```
24
  identifying which equipment records to update within
  Salesforce
25
              for (Object jR : jsonResponse){
26
                   Map<String,Object> mapJson =
  (Map<String,Object>)jR;
                   Product2 product2 = new Product2();
27
28
29
                   product2.Replacement Part c = (Boolean)
  mapJson.get('replacement');
                   //cost
30
31
                   product2.Cost__c = (Integer)
  mapJson.get('cost');
32
33
                   product2.Current_Inventory__c = (Double)
  mapJson.get('quantity');
34
                   //lifespan
                   product2.Lifespan_Months__c = (Integer)
35
  mapJson.get('lifespan');
36
                   //maintenance cycle
37
                   product2.Maintenance_Cycle__c = (Integer)
  mapJson.get('maintenanceperiod');
38
39
                   product2.Warehouse SKU c = (String)
  mapJson.get('sku');
40
41
                   product2.Name = (String)
  mapJson.get('name');
42
                   product2.ProductCode = (String)
  mapJson.get('_id');
                   product2List.add(product2);
43
44
               }
45
46
              if (product2List.size() > 0){
                   upsert product2List;
47
                   System.debug('Your equipment was synced
48
```

```
49
               }
          }
50
      }
51
52
      public static void execute (QueueableContext context){
53
54
           System.debug('start runWarehouseEquipmentSync');
55
           runWarehouseEquipmentSync();
          System.debug('end runWarehouseEquipmentSync');
56
57
      }
58
59 }
```

### Schedule synchronization.cls

```
1 global with sharing class WarehouseSyncSchedule implements
    Schedulable{
2     global void execute(SchedulableContext ctx){
3         System.enqueueJob(new WarehouseCalloutService());
4     }
5 }
```

#### 5) Test automation logic

#### MaintenanceRequest.cls

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

#### MaintenanceRequestHelper.cls

```
Set<Id> validIds = new Set<Id>();
3
4
           For (Case c : updWorkOrders){
5
               if (nonUpdCaseMap.get(c.Id).Status != 'Closed' &&
  c.Status == 'Closed'){
6
                   if (c.Type == 'Repair' || c.Type == 'Routine
7
                       validIds.add(c.Id);
8
                   }
9
              }
10
11
12
13
14
          if (!validIds.isEmpty()){
15
               Map<Id,Case> closedCases = new Map<Id,Case>([SELECT
  Id, Vehicle__c, Equipment__c, Equipment__r.Maintenance_Cycle__c,
16
                                                              (SELECT
  Id,Equipment__c,Quantity__c FROM Equipment_Maintenance_Items__r)
17
                                                              FROM
  Case WHERE Id IN :validIds]);
               Map<Id,Decimal> maintenanceCycles = new
18
  Map<ID,Decimal>();
19
20
  records.
21
               AggregateResult[] results = [SELECT
  Maintenance_Request__c,
22
  MIN(Equipment__r.Maintenance_Cycle__c)cycle
23
                                             FROM
  Equipment_Maintenance_Item__c
24
                                            WHERE
  Maintenance_Request__c IN :ValidIds GROUP BY
  Maintenance_Request__c];
25
               for (AggregateResult ar : results){
26
                   maintenanceCycles.put((Id)
27
```

```
ar.get('Maintenance_Request__c'), (Decimal) ar.get('cycle'));
28
29
               List<Case> newCases = new List<Case>();
30
               for(Case cc : closedCases.values()){
31
                   Case nc = new Case (
32
                       ParentId = cc.Id,
33
34
                       Status = 'New',
                       Subject = 'Routine Maintenance',
35
                       Type = 'Routine Maintenance',
36
37
                       Vehicle__c = cc.Vehicle__c,
38
                       Equipment__c =cc.Equipment__c,
39
                       Origin = 'Web',
40
                       Date_Reported__c = Date.Today()
41
                   );
42
                   //If multiple pieces of equipment are used in the
43
44
45
46
                       nc.Date_Due__c =
  Date.today().addDays((Integer) maintenanceCycles.get(cc.Id));
47
                   //} else {
48
49
50
51
                   newCases.add(nc);
52
53
54
               insert newCases;
55
               List<Equipment_Maintenance_Item__c> clonedList = new
56
  List<Equipment_Maintenance_Item__c>();
57
               for (Case nc : newCases){
58
                   for (Equipment_Maintenance Item_c clonedListItem
   : closedCases.get(nc.ParentId).Equipment_Maintenance_Items__r){
59
                       Equipment_Maintenance_Item__c item =
  clonedListItem.clone();
```

### MaintenanceRequestHelperTest

```
1 @isTest
  public with sharing class MaintenanceRequestHelperTest {
3
4
5
      private static Vehicle__c createVehicle(){
           Vehicle__c vehicle = new Vehicle__C(name = 'Testing')
6
7
          return vehicle;
      }
8
9
10
11
      private static Product2 createEquipment(){
           product2 equipment = new product2(name = 'Testing
12
13
                                              lifespan_months__c =
  10,
14
                                              maintenance_cycle__c =
  10,
15
                                              replacement_part__c =
  true);
          return equipment;
16
17
18
19
      private static Case createMaintenanceRequest(id vehicleId, id
20
  equipmentId) {
           case cse = new case(Type='Repair',
21
22
                               Status='New',
```

```
23
                               Origin='Web',
                               Subject='Testing subject',
24
25
                               Equipment__c=equipmentId,
                               Vehicle__c=vehicleId);
26
27
          return cse;
28
      }
29
30
31
      private static Equipment_Maintenance_Item__c
  createEquipmentMaintenanceItem(id equipmentId,id requestId){
32
           Equipment_Maintenance_Item__c equipmentMaintenanceItem =
  new Equipment_Maintenance_Item__c(
33
               Equipment__c = equipmentId,
34
               Maintenance_Request__c = requestId);
35
          return equipmentMaintenanceItem;
36
37
38
      @isTest
      private static void testPositive(){
39
          Vehicle__c vehicle = createVehicle();
40
41
          insert vehicle;
          id vehicleId = vehicle.Id;
42
43
44
          Product2 equipment = createEquipment();
45
          insert equipment;
46
           id equipmentId = equipment.Id;
47
48
           case createdCase =
  createMaintenanceRequest(vehicleId,equipmentId);
49
          insert createdCase;
50
51
           Equipment_Maintenance_Item__c equipmentMaintenanceItem =
  createEquipmentMaintenanceItem(equipmentId,createdCase.id);
52
           insert equipmentMaintenanceItem;
53
54
          test.startTest();
55
          createdCase.status = 'Closed';
          update createdCase;
56
57
           test.stopTest();
58
```

```
59
           Case newCase = [Select id,
60
                           subject,
61
                           type,
62
                           Equipment__c,
63
                           Date_Reported__c,
64
                           Vehicle__c,
65
                           Date_Due__c
66
67
                          where status ='New'];
68
69
           Equipment_Maintenance_Item__c workPart = [select id
70
   Equipment_Maintenance_Item__c
71
  Maintenance_Request__c =:newCase.Id];
72
           list<case> allCase = [select id from case];
73
           system.assert(allCase.size() == 2);
74
75
           system.assert(newCase != null);
76
           system.assert(newCase.Subject != null);
           system.assertEquals(newCase.Type, 'Routine Maintenance');
77
78
           SYSTEM.assertEquals(newCase.Equipment__c, equipmentId);
79
           SYSTEM.assertEquals(newCase.Vehicle_c, vehicleId);
           SYSTEM.assertEquals(newCase.Date_Reported__c,
80
  system.today());
81
82
83
      @isTest
      private static void testNegative(){
84
           Vehicle__C vehicle = createVehicle();
85
86
           insert vehicle;
           id vehicleId = vehicle.Id;
87
88
89
           product2 equipment = createEquipment();
90
           insert equipment;
91
           id equipmentId = equipment.Id;
92
           case createdCase =
93
  createMaintenanceRequest(vehicleId,equipmentId);
           insert createdCase;
94
```

```
95
96
           Equipment_Maintenance_Item__c workP =
  createEquipmentMaintenanceItem(equipmentId, createdCase.Id);
97
          insert workP;
98
99
           test.startTest();
100
            createdCase.Status = 'Working';
101
            update createdCase;
102
            test.stopTest();
103
104
            list<case> allCase = [select id from case];
105
106
            Equipment_Maintenance_Item__c equipmentMaintenanceItem =
  [select id
107
                                                        from
  Equipment_Maintenance_Item__c
108
                                                        where
  Maintenance_Request__c = :createdCase.Id];
109
110
            system.assert(equipmentMaintenanceItem != null);
111
            system.assert(allCase.size() == 1);
112
113
114
        @isTest
        private static void testBulk(){
115
            list<Vehicle__C> vehicleList = new list<Vehicle__C>();
116
117
            list<Product2> equipmentList = new list<Product2>();
118
            list<Equipment_Maintenance_Item__c>
  equipmentMaintenanceItemList = new
  list<Equipment_Maintenance_Item__c>();
119
            list<case> caseList = new list<case>();
120
            list<id> oldCaseIds = new list<id>();
121
122
            for(integer i = 0; i < 300; i++){</pre>
123
                vehicleList.add(createVehicle());
124
                equipmentList.add(createEquipment());
125
            insert vehicleList;
126
127
            insert equipmentList;
128
```

```
129
            for(integer i = 0; i < 300; i++){</pre>
130
  caseList.add(createMaintenanceRequest(vehicleList.get(i).id,
  equipmentList.get(i).id));
131
132
            insert caseList;
133
134
            for(integer i = 0; i < 300; i++){</pre>
135
  equipmentMaintenanceItemList.add(createEquipmentMaintenanceItem(e
136
137
            insert equipmentMaintenanceItemList;
138
            test.startTest();
139
140
            for(case cs : caseList){
141
                cs.Status = 'Closed';
                oldCaseIds.add(cs.Id);
142
143
144
            update caseList;
145
            test.stopTest();
146
147
            list<case> newCase = [select id
148
149
                                       where status ='New'];
150
151
152
153
            list<Equipment_Maintenance_Item__c> workParts = [select
  id
154
  Equipment_Maintenance_Item__c
155
  Maintenance_Request__c in: oldCaseIds];
156
157
            system.assert(newCase.size() == 300);
158
            list<case> allCase = [select id from case];
159
160
            system.assert(allCase.size() == 600);
161
```

#### 6) TEST callout Logic

#### WarehouseCalloutService.cls

```
1 public with sharing class WarehouseCalloutService implements
  Queueable {
      private static final String WAREHOUSE_URL = 'https://th-
2
3
4
  updated.
5
  that you upsert in Salesforce.
6
7
      @future(callout=true)
8
      public static void runWarehouseEquipmentSync(){
9
          System.debug('go into runWarehouseEquipmentSync');
10
          Http http = new Http();
11
          HttpRequest request = new HttpRequest();
12
13
          request.setEndpoint(WAREHOUSE_URL);
14
          request.setMethod('GET');
15
          HttpResponse response = http.send(request);
16
17
          List<Product2> product2List = new List<Product2>();
18
          System.debug(response.getStatusCode());
          if (response.getStatusCode() == 200){
19
20
               List<Object> jsonResponse =
   (List<Object>)JSON.deserializeUntyped(response.getBody());
               System.debug(response.getBody());
21
22
23
               //warehouse SKU will be external ID for identifying
24
  which equipment records to update within Salesforce
25
               for (Object jR : jsonResponse){
26
                   Map<String,Object> mapJson =
   (Map<String,Object>)jR;
```

```
27
                   Product2 product2 = new Product2();
28
29
                   product2.Replacement_Part__c = (Boolean)
  mapJson.get('replacement');
30
31
                   product2.Cost__c = (Integer) mapJson.get('cost');
32
                   product2.Current_Inventory__c = (Double)
33
  mapJson.get('quantity');
34
                   //lifespan
35
                   product2.Lifespan_Months__c = (Integer)
  mapJson.get('lifespan');
36
37
                   product2.Maintenance_Cycle__c = (Integer)
  mapJson.get('maintenanceperiod');
38
                   product2.Warehouse_SKU__c = (String)
39
  mapJson.get('sku');
40
41
                   product2.Name = (String) mapJson.get('name');
42
                   product2.ProductCode = (String)
  mapJson.get('_id');
43
                   product2List.add(product2);
44
45
46
               if (product2List.size() > 0){
                   upsert product2List;
47
48
                   System.debug('Your equipment was synced with the
49
              }
50
          }
51
52
53
      public static void execute (QueueableContext context){
54
           System.debug('start runWarehouseEquipmentSync');
55
           runWarehouseEquipmentSync();
           System.debug('end runWarehouseEquipmentSync');
56
57
58
59 }
```

#### WarehouseCalloutServiceMock.cls

```
1 @isTest
2 global class WarehouseCalloutServiceMock implements
  HttpCalloutMock {
3
4
      global static HttpResponse respond(HttpRequest request) {
5
          HttpResponse response = new HttpResponse();
6
7
          response.setHeader('Content-Type', 'application/json');
8
  response.setBody('[{"_id":"55d66226726b611100aaf741","replacement
9
          response.setStatusCode(200);
10
11
          return response;
12
13 }
```

#### WarehouseCalloutServiceTest.cls

```
9    response.setStatusCode(200);
10
11    return response;
12  }
13 }
```

7)

#### WarehouseSyncSchedule

```
1 global with sharing class WarehouseSyncSchedule implements
    Schedulable {
2     // implement scheduled code here
3     global void execute (SchedulableContext ctx){
4         System.enqueueJob(new WarehouseCalloutService());
5     }
6 }
```

#### WarehouseCalloutServiceMock.cls

```
9    response.setStatusCode(200);
10
11    return response;
12  }
13 }
```

### WarehouseSyncScheduleTest.cls

```
@isTest
  public with sharing class WarehouseSyncScheduleTest {
3
4
5
      @isTest static void test() {
          String scheduleTime = '00 00 00 * * ? *';
6
          Test.startTest();
          Test.setMock(HttpCalloutMock.class, new
8
  WarehouseCalloutServiceMock());
          String jobId = System.schedule('Warehouse Time to
9
  ());
          CronTrigger c = [SELECT State FROM CronTrigger WHERE Id
10
  =: jobId];
11
          System.assertEquals('WAITING', String.valueOf(c.State),
   'JobId does not match');
12
13
          Test.stopTest();
14
      }
15 }
```

# **Process Automation Specialist**

### **Automate Leads**

- 1)Install package ID 04t46000001Zch4
- 2)lead-validation rule -new-name- formula=OR(

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", State)),

```
LEN(State) <> 2,

NOT(OR(Country ="US",Country ="USA",Country ="United States", ISBLANK(Country)))
)
```

- 3)queuse -new-label RainbowSales-select -object lead and add it-save
- 4)queuse -new-label -Assembly System Sales -add lead object and -save
- 5)home -search box-lead assignment rule-new-rule name- RainbowSale-active-save edit-sort order=1-critirea -lead source -equals-web
- 6)home -search box-lead assignment rule-new-rule name- Assembly System Salesactive-save

edit-sort order=1-critirea -lead source -NOT equals-web

#### **Automate Accounts**

1) create four rollup summary in account object Feild- Lable-number of deals summary type-count summarized object-opportunity filter -none

1) create four rollup summary in account object.

Feild-Lable-number ofwon deals

summary type-count summarized object-opportunity filter -satge equals closed won

Feild- Lable-last won deal date summary type-max field to aggregate ;opportunity=close date summarized object-opportunity filter -satge equals closed won

Feild- Lable-amount of won deals summary type-sum field to aggregate ;opportunity=amount summarized object-opportunity filter -satge equals closed won

2)2 formula feild in account object

lable ;deal win percent return type; percent decimal place ; 2 formula; (Number\_of\_won\_deals\_\_c/Number\_of\_deals\_\_c)

lable ;call for service return type; text

formula;

iF( DATE( YEAR( Last\_won\_deal\_date\_\_c ) + 2 , MONTH(Last\_won\_deal\_date\_\_c ) , DAY( Last\_won\_deal\_date\_\_c )

4) validation rule rule name =us address formula; OR(AND(LEN(BillingState) > 2, NOT(CONTAINS("AL:AK:AZ:AR:CA:CO:CT:DE:DC:FL:GA:HI:ID:IL:IN:IA:KS:KY:LA:ME:MD:M A: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 ))

),AND(LEN(ShippingState) > 2,

NOT(CONTAINS("AL:AK:AZ:AR:CA:CO:CT:DE:DC:FL:GA:HI:ID:IL:IN:IA:KS:KY:LA:ME:MD:M A: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", ShippingState))

),NOT(OR(BillingCountry = "US",BillingCountry = "USA",BillingCountry = "United States", ISBLANK(BillingCountry))),

NOT(OR(ShippingCountry = "US", ShippingCountry = "USA", ShippingCountry = "United States", ISBLANK(ShippingCountry))))

rule name= name

formula = ISCHANGED( Name ) && ( OR( ISPICKVAL( Type ,'Customer - Direct') ,ISPICKVAL( Type ,'Customer - Channel') ))

# **Create Robot Setup Object**

- 1) create robot setup object with auto number
- 2) robot steup object craete a master detail relationship with opportaunity.
- 3)create 3 field in robot setup object

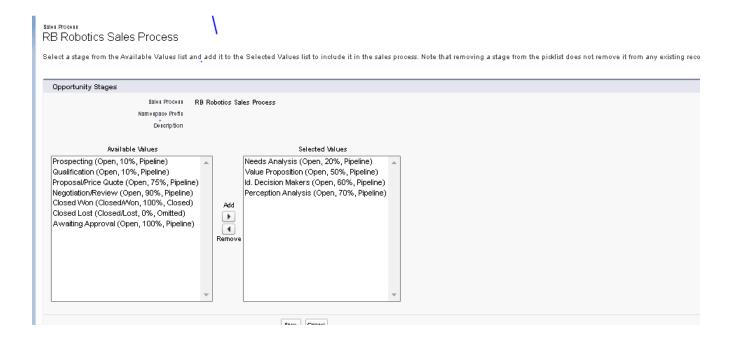
field name- date =datatype=date field name -notes=datatype=text area

field name=day of week -data type- formula =

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

# **Create Sales Process and Validate Opportunities**

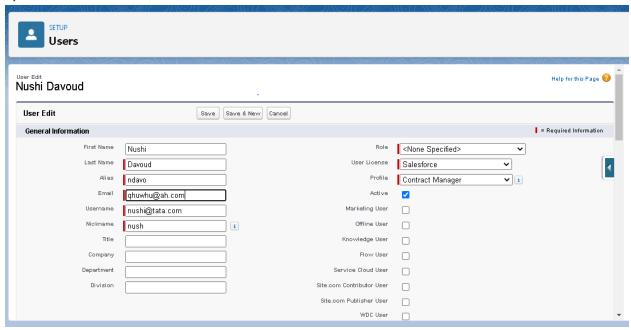
1) opportaunity object - record type - new -create sales process-



- 2) create new field in opportaunity -lable name = approverd -data type -checkbox-save 3)create vaildation rule in opportaunity object- rule name=Opportunity\_Validation\_Rule\_1=
- formula= IF(( Amount > 100000 && Approved\_c <> True && ISPICKVAL( StageName, 'Closed Won') ),True,False)

# **Automate Opportunities**

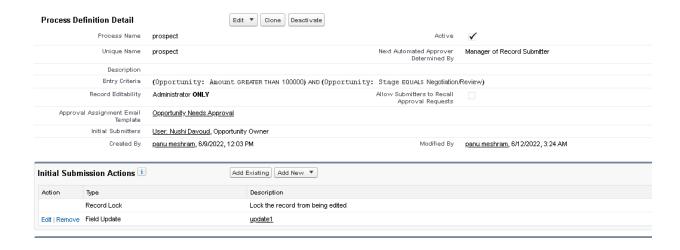
1) create user name Nushi Davoud

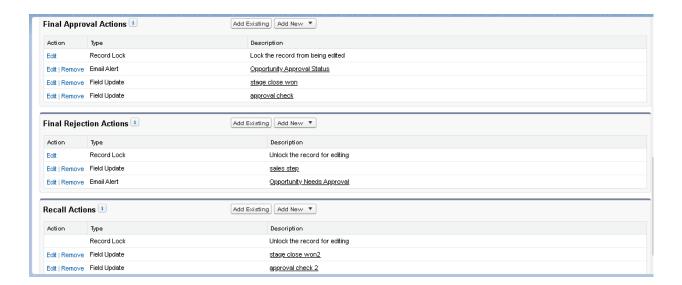


2) create 3 email alert with name

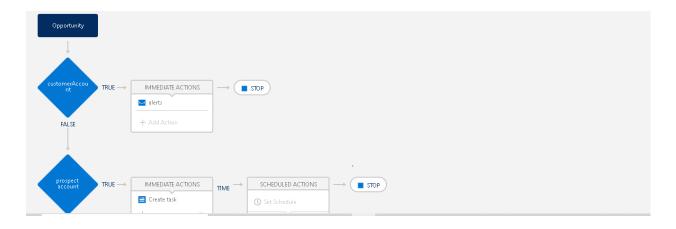
fianance :account creation sales ; opportunity needs approval sales; opportunity approval status

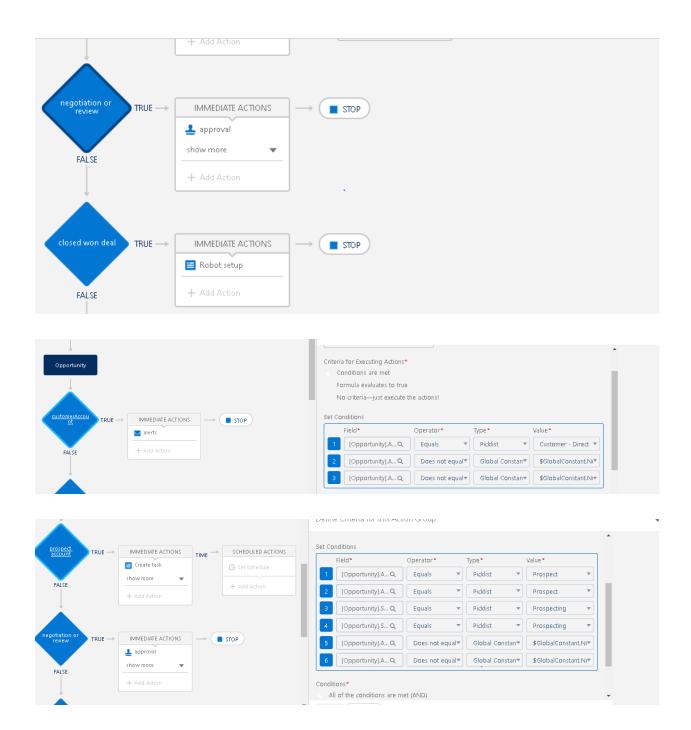
3) create approval process opportunity object

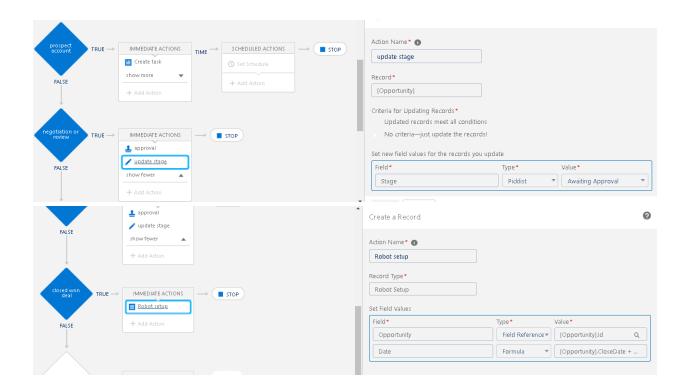




#### 4) proccess builder





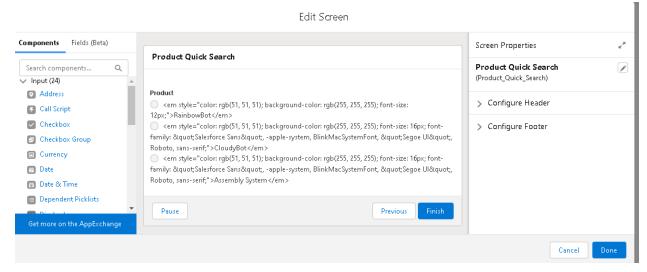


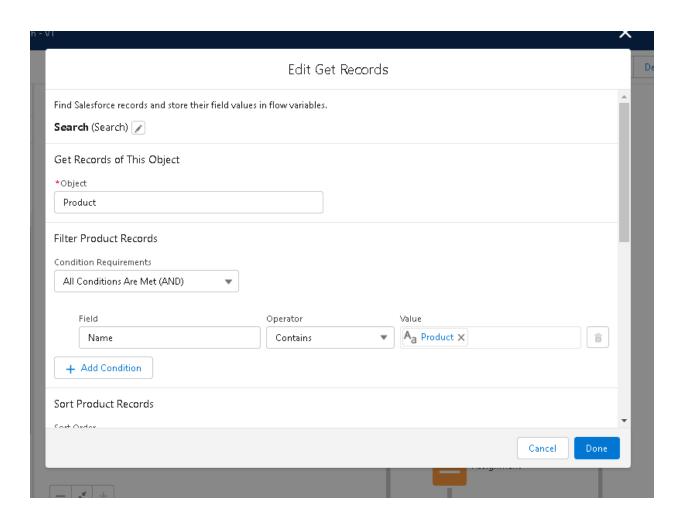
# **Create Flow for Opportunities**

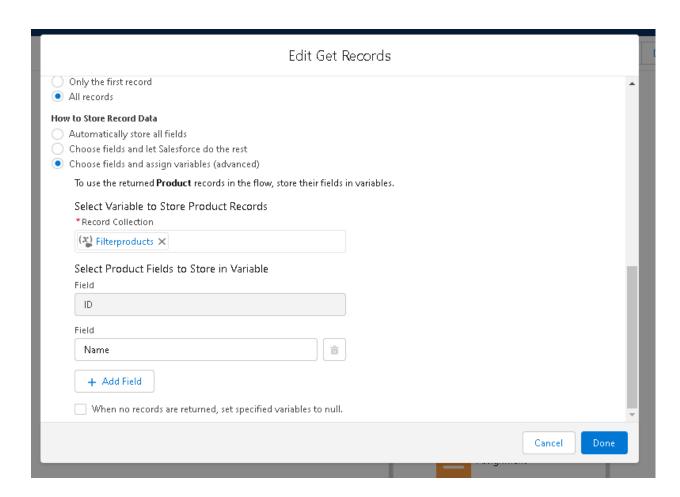
1) create flow for opportunity

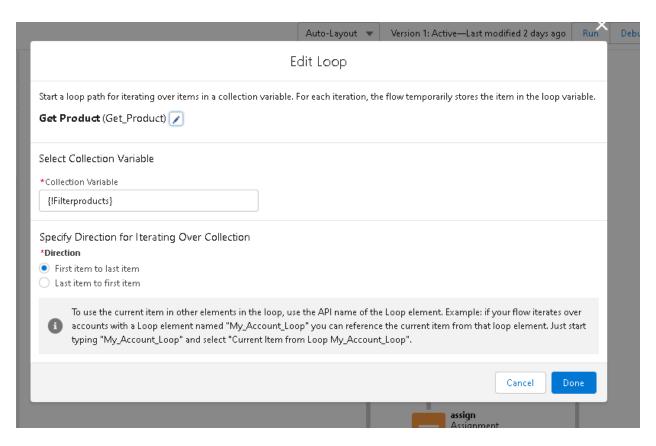


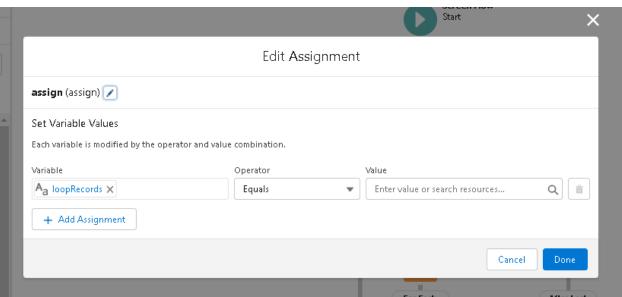


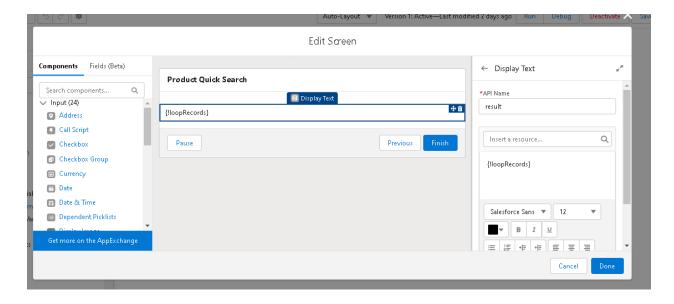












active it save

# **Automate Setups**

# 1) just follw the step which Automate Opportunities where we create process builder

just add formula in



closed won deal - action -create record name =Robot setup change date critera =date-formula = CASE(MOD([Opportunity].CloseDate + 180 - DATE(1900, 1, 7),7), 0, [Opportunity].CloseDate + 181, 6, [Opportunity].CloseDate + 182, [Opportunity].CloseDate + 180)