```
ingPostalCo
                                                       de;
                                                      }
                                                    }
                                                    }
             APEX
         SPECIALIST
       SUPER BADGE
                                                     trigger
            CODES
                                                    ClosedOpportunityTrigg
                                                    er on Opportunity
                                                   (afterinsert,afterupdate)
         APEX TRIGGERS
                                                    { List<Task> tasklist= new
                                                    List<Task>();
                                                    for
       <u>AccountAddressTri</u>
                                                      (
           gg<u>er.ax</u>pt:
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trigger
                                                      0
AccountAddress
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Triggeron
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Account (before
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insert,before
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update){
for(Account
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account:Trigger.
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New){
 if(account.Ma
   tch_Billing_
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   Address c
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   == True){
                                                      р
   account.Shi
   ppingPostal
   Code =
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```

account.Bill

ClosedOp

portunity Trigger.ax

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                                                       tasklist.add(newTask(Subject =
{
                                                       'Follow Up Test Task', WhatId = opp.Id));
                                                     }
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ert
    tas
                                                   return SetEndOfMonthDate(date1);
    kli
    st;
                                                              @TestVisible privatestatic
 }
                                                              Boolean
                                                              DateWithin30Days(Datedate1,
}
                                                              Date date2){
                                                                      /c
                                                              h
                                                              е
 public class VerifyDate {
                                                              С
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                                                              е
APEX TESTING
                                                              2
<u>VerifyData.apxc:</u>
                                                              b
                                                              e
                                                              i
                                                              n
         public static Date
                                                              g
                CheckDates(Date date1,
                Date date2) {
                                                              i
                if(DateWithin30Days(date1,
                                                              n
                date2)) {
                                                              t
                       return date2;
                                                              h
                                                              е
                } else {
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                  }
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}

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<
                                                    /check that date2 is within (>=)30
d
                                                    days of date1
a
                                                    Date date30Days =
t
                                                           date1.addDays(30);
e
                                                           /create a date 30
1
                                                           days away from
)
                                                           date1 if( date2 >=
                                                           date30Days){
{
                                                           return false; }
                                                           else { return true; }
r
e
                                                   }
t
u
r
                                                     /method to returnthe end of the
                                                     monthof a given date
n
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}
```

@TestVis

ible private staticDa

te

```
/2022'), date.parse('05/05/2022'));
           SetEndOf
                                                          System.assertEquals(date.parse('01/31/2
           MonthDa
           te(Date
                                                           022'), D);
                                                        }
           date1){
                  IntegertotalDays
                                                         @i
                  =Date.daysInMonth(date1.y
                                                          S
                  ear(), date1.month());
                                                          Τ
                  Date
                                                          е
                  lastDay =
                  Date.newIn
                                                          S
                  stance(dat
                                                          t
                  e1.year(),
                  date1.mont
                  h(),
                                                          S
                  totalDays);
                  return
                                                          t
                  lastDay;
                                                          a
          }
                                                          t
                                                          i
}
                                                          С
             TestVerifyData.apxc:
                                                          ٧
@isTest
                                                           0
private class TestVerifyDate {
  @isTest static void
                                                          d
  Test_CheckDates_case1(){
    Date D =
                                                          Т
    VerifyDate.CheckDates(date.parse('01/01
    /2022'),date.parse('01/05/2022'));
                                                          е
    System.assertEquals(date.parse('01/05/2
                                                          S
    022'), D);
}
                                                          t
  @isTest static void
  Test_CheckDates_case2(){
                                                          W
    Date D =
    VerifyDate.CheckDates(date.parse('01/01
```

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| i | |
| n | = |
| 3 | |
| 0 | VerifyDate.DateWithi |
| D | n30Days(date.parse(|
| a | '01/01/2022'), date.parse('12/30/20 |
| y | 21')); |
| S | System.assertEquals(false, flag); |
| | } |
| - | @is |
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D
                                                  '01/01/2022'),
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                                                  date.parse('02/02/20
                                                 21'));
у
                                                      System.assertEquals(false, flag);
S
                                                   }
                                                  @isTest static void
c
                                                  Test_Within30Days_case3(){
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(beforeinsert, before update){

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| Boolean flag = | С |
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| VerifyDate.DateWithi | r i |
| n30Days(date.parse(| 0 |
| '01/01/2022'), | r |
| date.parse('01/15/20 | • |
| 22')); | t |
| System.assertEquals(true, flag); | 0 |
| } | |
| @isTest static void | i |
| Test_SetEndOfMonthDate(){ | n |
| Datereturndate | S |
| =VerifyDate.SetEndOfMonthDate(date.par | e |
| se('01/01/2022')); | r t |
| } | 0 |
| | r |
| } | |
| RestrictCo | u |
| <u>ntactByNa</u> | р |
| <u>me.apxt:</u> | d |
| trigger RestrictContactByName on Contact | a |
| migger restricteditiactoyname on contact | t |

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                                                           if(c.LastName ==
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l
                                                                  'INVALIDNAME') {
                                                                  /invalidname is
d
                                                                  invalid
                                                                  c.AddError('The
d
a
                                                                  Last Name
t
                                                                  "'+c.LastName+"
a
                                                                  is not allowed for
                                                                  DMĽ);
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                                          private class TestRestrictContactByName
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    s()
    );
                                                     public class RandomContactFactory {
    Sy
                                                        public static List<Contact>
    ste
                                                         generateRandomContacts(Integer
    m.
                                                         num_cnts, string lastname) { List<Contact>
    as
                                                         contacts= new List<Contact>();
    se
                                                         for(Integer i = 0; i < num_cnts; i++) {</pre>
    rt(
    re
                                                            Contact cnt =
    sul
                                                            new
    t.g
                                                            Contact(First
    et
                                                            Name = 'Test'
    Err
                                                            +i,LastName =
    or
                                                            lastname);
    s().
                                                            contacts.add(
    siz
                                                            cnt);
    e()
    >
    0);
                                                          return contacts;
    System.assertEquals('The Last
Name"INVALIDNAME" is notallowed for DML',
                                                                }
result.getErrors()[0].getMessage());
                                                     }
  }
```

}

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    List<Account> accounts = [Select Id,
                                                          CC
    Name, (Select Id from Contacts) from
                                                          ou
    Account Where Id in
                                                          nt
:accountIds];
    For(Account acc: accounts) {
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      t<Contact>
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      contactList =
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      acc.contacts;
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      accountsToU
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      pdate.add(a
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      cc);
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    }
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    update accountsToUpdate;
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  }
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}
                                                          nt:
                                  AccountP
                                                          ContactnewContact1 = new
                                  rocessorT
                                                          Contact(FirstName = 'John', LastName =
                                                          'Doe', AccountId =
                                  est.apxc:
@isTest
public class AccountProcessorTest {
           @isTest
  private static void testCountContacts() {
    Ac
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| newAccount.Id); | | | t.l |
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| insert newContact1; | | |); |
| insert newcontacti, | | | Ac |
| | | | СО |
| Contact newContact2 =new | | | un |
| Contact(FirstName = 'John',LastName = | | | tPr |
| 'Doe',AccountId = newAccount.Id); | | | ОС |
| insert newContact2; | | | es |
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| global class Lead Proc | <u>Lead</u> <u>Proce</u> <u>ssor.a</u> <u>pxc:</u> | execute(Datab ase.BatchableC ontext bc, List <lead> L_list){ List<lead> L_list_new = new List<lead>();</lead></lead></lead> |
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| Database.QueryL | | • |
| ocator | | l |
| start(Database.Ba | | е |
| tchableContext | | a |
| bc) { return | | d |
| Database.getQuer | | S |
| yLocator('SELECT | | 0 |
| ID,LeadSource | | u |
| FROM Lead'); | | r |
| } | | С |
| global void | | е |

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    system.debug('count='+count);
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 }
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}
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| this.state = state; ne } (); c.A public void execute(QueueableContext cc context){ List <account> accounts = [Select nt Id,Name,(Select Id FirstName,LastNam = e, Id from contacts) ac</account> |
|---|
| public void execute(QueueableContext cc context){ List <account> accounts = [Select nt Id,Name,(Select FirstName,LastNam e, Id from contacts) c.A ou List<account> accounts = [Select nt Id accounts n</account></account> |
| public void execute(QueueableContext)cccontext){ouList <account> accounts = [SelectntId,Name,(SelectIdFirstName,LastNam=e, Id from contacts)ac</account> |
| context){ List <account> accounts = [Select nt Id,Name,(Select FirstName,LastNam = e, Id from contacts)</account> |
| List <account> accounts = [Select nt Id,Name,(Select Id FirstName,LastNam = e, Id from contacts)</account> |
| Id,Name,(Select Id FirstName,LastNam e, Id from contacts) |
| FirstName,LastNam = e, Id from contacts) ac |
| e, Id from contacts) ac |
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}

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id
                                                            testAccounts.add(newAccount (Name
tes
                                                            ='Account' + i,BillingState = 'CA'));
tQ
                                                          }
ue
                                                          for(Integer j = 0; j < 50; j++) {
ue
ab
                                                            testAccounts.add(newAccount(Name =
le
                                                            'Account'+ j, BillingState= 'NY'));
() {
                                                          }
  Lis
                                                          insert testAccounts;
  t<
  Ac
                                                          Contact
  CO
                                                          testContact
  un
                                                          =new
  t>
                                                          Contact(FirstNa
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                                                          me ='John',
  tΑ
                                                          LastName =
  CC
                                                          'Doe'); insert
  ou
                                                          testContact;
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                                                          Test.startTest();
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  ou
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  nt
                                                          dit); Test.stopTest();
  >(
                                                          System.assertEquals(50, [Select
  );
                                                     count()from Contact where accountId
  for
                                                     in (Select Idfrom Account where
  (In
                                                     BillingState = 'CA')]);
  te
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  g
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  er
                                                                                DailyLeadProces
  i =
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  List<Lead> leadstoupdate = new
  List<Lead>();
  List<Lead>leads = [Select
  id From LeadWhere
                                                APEX SPECIALIST SUPER BADGE
  LeadSource = NULL
  Limit200]; for(Lead l:
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  leads) {
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                                                 private class DailyLeadProcessorTest {
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                                                           public static String CRON_EXP= '0
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                                                             =System.schedule(
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```

| st',CRON_EXP,new | | <u>G</u> |
|---|--------|-----------------|
| DailyLeadProcesso r()); | | <u>R</u> |
| Test.stopTest(); | | A |
| List <lead> checkleads = new List<lead>();</lead></lead> | | <u>TI</u> |
| checkleads = [SelectIdFrom Lead Where | | <u>O</u> |
| LeadSource = 'Dreamforce' and Company | | N |
| = 'Theinc']; | | <u>S</u> |
| System.assertEquals(200,checkleads.size (),'Leads were not created'); | | <u>E</u> |
| (,,, , | | <u>R</u> |
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| public class AnimalLocator{ | b | |
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у
                                                    callout.herokuapp.com/animals/'
                                                    +x); req.setMethod('GET');
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}
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                                                   return (String)animal.get('name');
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    d(r
                                                   private class AnimalLocatorTest{
    eq
    );
      if (res.getStatusCode() == 200) {
                                                   AnimalLocatorTest.apxc:
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APEX SPECIALIST SUPER BADGE
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                CODES
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                                                       t
    Map<String, Object> results =
                                                       i
   (Map<String,
                                                       С
   Object>)JSON.deserializeUntyped
   (res.getBody()); animal=
                                                       ٧
   (Map<String, Object>)
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```

results.get('animal');

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q
                                                  global class AnimalLocatorMock implements
u
                                                  HttpCalloutMock {
a
                                                      / Implementthis interface method
l
                                                     global HTTPResponse
                                                     respond(HTTPRequest request) {
                                                        / Create a fake response
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    n');
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    response.setBody('{"animals": ["majestic
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badger", "fluffy bunny", "scary bear",
                                                     rk
"chicken", "mighty moose"]}');
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| public staticstring[] country(string | Lo |
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| ParkService.ParksImplPort | Te |
| parkSvc = new | st |
| ParkService.ParksImplPort();/ | { |
| removespace return | @i |
| parkSvc.byCountry(theCountry); | sT |
| } | e |
| } | st |
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| | ou +/) |
| | t() { |
| | ι Test.setMo |
| @isTest private class | ck(WebServ |
| | iceMock.cla |
| | ss, new |
| | ParkService |
| | Mock()); |
| | String |
| | country= |
| | 'United |
| APEX SPECIALIST | States'; |
| | List <string> result =</string> |
| SUPER BADGE | ParkLocator.country(country); |
| CODES | List <string> parks = new</string> |
| | List <string> parks - new List<string>{'Yellowstone',</string></string> |
| ParklacatorTost anys | 'MackinacNationalPark', 'Yosemite'}; |
| ParkLocatorTest.apxc: | System.assertEquals(parks, result); |
| | } |
| Pa | |
| rk | } |
| | |

| | ParkSe rviceM ock.ap xc: | e n t s |
|---------|-----------------------------------|------------------|
| @isTest | | W |
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                                                       ParkService.byCountryResponse
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                                                       response_x = new
                                                       ParkService.byCountryResponse();
    ng
    re
                                                       response_x.return_x = new
    qu
                                                       List<String>{'Yellowstone', 'Mackinac
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| NationalPark', 'Yosemite'}; | S | |
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    String accld
                                                        return acc;
     =req.requestURI.substringBetween('Acco
                                                     }
     unts/', '/contacts');
                                                   }
                                                                                    Account
                                                                                    <u>Manager</u>
                                                                                    Test.apx
                                                                                    <u>C:</u>
                                                    @isTest
                                                    private class AccountManagerTest {
APEX SPECIALIST SUPER BADGE
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    Account acc =
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                                                      / Set up a test request
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                                                     RestRequest request= new RestRequest();
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                                                     request.requestUri= 'https:
                                                     /na1.salesforce.com/services/ap
)
                                                     exrest/Accounts/'+ recordId
{
                                                +'/contacts';
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/ Call the method to test
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Account this Account =
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AccountManager.getAccount();
/ V
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s
                                                      System.assertEquals('Test
u
                                                      record',thisAccount.Name);
l
t
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s
S
                                                     / Helper method
у
S
                                                      static Id createTestRecord() {
t
                                                       / Create test record
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     c.i
                                                     MaintenanceRequestHelper {
     d);
                                                        public static void
     ret
                                                          updateworkOrders(List<Case>
     u
                                                          updWorkOrders, Map<Id,Case>
     rn
                                                          nonUpdCaseMap) { Set<Id> validIds= new
     Te
                                                          Set<Id>();
     st
     Ac
     c.l
     d;
                                                          For (Case c:updWorkOrders){
  }
                                                            if(nonUpdCa
}
                                                              seMap.get(
                                                              c.ld).Status
                                                              != 'Closed'
                                                              &&
                                                              c.Status ==
                                                              'Closed'){ if
                                                              (c.Type ==
                                                              'Repair'||
                                                              c.Type ==
                                                              'Routine
APEX SPECIALIST SUPER BADGE
                                                              Maintenan
                 CODES
                                                              ce'){
                                                                validIds.add(c.Id);
                  APEX
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                                                              }
                                                            }
                                        <u>Ch</u>
                                        all
                                                          }
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                                                          if (!validIds.isEmpty()){
            MaintenanceRequ
```

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tenance_Request__c'),(Decimal)
                                                           ar.get('cycle'));
                                                         }
                                                           for
                                                             (
                                                             C
      List<Case> newCases = new
                                                             a
      List<Case>();
                                                             S
                                                             е
      Map<Id,Case> closedCasesM = new
Map<Id,Case>([SELECT Id, Vehicle c,
                                                             С
Equipment c, Equipment r. Maintenance_Cycle
                                                             С
c,(SELECT Id,Equipment c,Quantity c FROM
Equipment_Maintenance_Items r)
                                                             :
                              FR
      OM Case
                                                             С
      WHERE Id IN
                                                             l
      :validIds]);
                                                             0
      Map<Id,Deci
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      mal>
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      maintenance
                                                             d
      Cycles = new
                                                             C
      Map<ID,Deci
                                                             a
      mal>();Aggreg
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      ateResult[]
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      results =
                                                             S
      [SELECT
                                                             Μ
      Maintenance
      _Request c,
                                                             ٧
MIN(Equipmentr.Maintenance_Cyclec
                                                             a
)cycle FROM
                                                             l
Equipment_Maintenance_Item c
                                                             u
WHEREMaintenance_Request c IN
                                                             е
:ValidIds GROUP BY
                                                             S
Maintenance_Request c];
                                                             )
    for (AggregateResult ar : results){
      maintenanceCycles.put((Id)ar.get('Main
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                                         List<Equipment_Maintenance_Item c>();
g
                                               for(Casenc:newCases){
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                                                 for (Equipment_Maintenance_Item c
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                                         closedCasesM.get(nc.ParentId).Equipment_M
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| MaintenanceRequestHelper.updateWork | tic |
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| Orders(Trigger.New, Trigger.OldMap); | fin |
| } | al |
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                                                    createWorkPart(id equipmentId,id
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| Equipment_Maintenance_Item c workP | t.s |
| <pre>=createWorkPart(equipmentId,somethin</pre> | to |
| gToUpdate.id); insert workP; | pT |
| | es +()- |
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| tar | Case newReq = [Select id, subject, type, |
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Equipment__c, Date_Reported__c, em.a Vehicle__c, ssert (wor Date_Due_c kPa from case rt != null where status =:STATUS_NEW];); syst em.a ssert (new Req. Subj ect != null **APEX SPECIALIST SUPER BADGE**); **CODES** syste m.as sertE Equipment_Maintenance_Item_c qual workPart = [select id s(ne wRe q.Ty pe, REQ **UEST** _TYP E); SYST EM.a from ssert Equipment_Maint Equa enance_Item c ls(ne where wRe Maintenance_Req q.Eq uest__c uip =:newReq.Id]; me nt c, equi syst

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| ntld); SYST EM.a ssert Equa ls(ne wRe q.Ve hicle c, vehi cleld); SYSTEM.assertEquals(newReq.Date_Rep ortedc, system.today()); } @istest | s t M a i n t e n a n c e R e q u e s t N |
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| insert vehicle; t.I | |
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| ntenance_Item c workP =createWorkPar t(equipmentId, emptyReq.Id); insertworkP; | t(); |
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| es | list <case> allRequest = [select id</case> |
| t(); | from case]; |
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                                                         for(integer i = 0; i < 300; i++){
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  С
                                                           uest(vehicleList.get(i).id,
  r
                                                           equipmentList.get(i).id));
  е
  a
                                                         insert requestList;
  t
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                                                         for(integer i =
  q
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  (
                                                           i++){
  )
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  )
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                                                           rkPart(equip
                                                           mentList.get(i
}
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insert
                                                           requestList.g
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                                                                                          where
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     }
                                                                                          Request cin:
                                                                                          oldRequestIds
     update requestList;
                                                                                          ];
                                                              system.assert(allRequests.size() == 300);
                                                            }
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                                                                                                        <u>C</u>
APEX SPECIALIST SUPER BADGE
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     test.stopTest();
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     list<case> allRequests = [select id
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| public with | C |
| sharingclass | o m |
| WarehouseCallou | <i>I</i> |
| tService | e |
| implements | q |
| Queueable { | u |
| private static final | i |
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| WAREHOUSE_URL | m |
| = 'https: | e |
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| p | |
| e | /class that makesaREST callout to an |
| r b | externalwarehouse system to get a list of |
| a | equipmentthat needs to be updated. |
| d | /The callout's JSON response |
| g | returns the equipmentrecords |
| e | that you upsert inSalesforce. |
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  HttpRequest request=new
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  HttpRequest();
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| (); | 0){ |
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| if | List <object> jsonRespon</object> |
| (re | se =(List <object< td=""></object<> |
| sp | >)JSON.deseri alizeUntyped (response.get |
| on | Body()); |
| se. | |
| ge | |
| tSt | APEX SPECIALIST SUPER BADGE CODES |
| at | System.debug(response.getBody()); |
| us | /class maps the following |
| Co | fields:replacement part (alwaystrue), cost, currentinventory, lifespan, |
| de | maintenance cycle, and warehouse SKU /warehouse SKU will be |
| 0 | external ID for identifying which equipment records toupdate withinSalesforce |
| == | for (Object eq : jsonResponse){ |
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| Fan","maintenanceperiod":0,"lifespan":0,"cost": | |
| 300,"sku":"100004"},{"_id":"55d66226726b611100 | С |
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| ","replacement":true,"quantity":143,"name":"F | l I |
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| 20A","maintenanceperiod":0,"lifespan":0,"cost" | o u |
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| response.setStatusCode(200); | |
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| return response; | е |
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| e | | test.setMock(HttpCalloutMock.class,new |
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| t | | WarehouseCalloutService.execute(null); |
| W | | test.stopTest(); |
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| ; Test.setMock(HttpCalloutMock.class, new WarehouseCalloutServiceMock()); String jobID=System.schedule('Warehouse Time To Scheduleto Test', scheduleTime, new WarehouseSyncSchedule()); Test.stopTest(); | Challenge-4 MaintenanceRequ estHelperTest.ap xc: @istest public with sharing class MaintenanceRequestHelperTest { |
| /Contains schedule information for a scheduledjob. CronTrigger is similarto a cron job on UNIX systems. / This object is available in API version 17.0 and later. CronTrigger a=[SELECTId FROM CronTrigger where NextFireTime > | pri va te sta tic fin al str i |

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                                                    for(integer i = 0; i < 300; i++){
 е
                                                      requestList.add(createMaintenanceReq
 a
                                                      uest(vehicleList.get(i).id,
 t
                                                      equipmentList.get(i).id));
 e
                                                    }
 Ε
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}
ins
ert
                                                    insert requestList;
ve
hic
                                                    for(integer i =
leL
                                                      0; i < 300;
ist;
                                                      i++){
ins
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| <pre>workPartList. add(createWo rkPart(equip mentList.get(i).id, requestList.g et(i).id)); } insert workPartList;</pre> | OS E D; ol dR eq ue stl ds. ad |
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| | es •() |
| re | t(); |
| qu est | |
| Lis | list <case> allRequests = [select id</case> |
| t){ | from case |
| re | where |
| q. | status=:STATUS_NEW]; |
| St | |
| at | |
| us | list <equipment_maintenance_item_c></equipment_maintenance_item_c> |
| = | workParts = [select id |
| CL | |

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fromEquipme
                             nt_Maintenan
                             ce_Item c
                             where
                             Maintenance_
                             Request cin:
                             oldRequestIds
                             ];
                                                   APEX SPECIALIST SUPER BADGE
                                                                    CODES
    system.assert(allRequests.size() == 300);
  }
                                                            if (c.Type
}
                                                               'Repair'
                              Maintenanc
                                                               c.Type
                              <u>eRequestHe</u>
                                                               ==
                              <u>lper.apxc:</u>
                                                               'Routine
                                                               Mainten
public with sharing class
                                                               ance'){
MaintenanceRequestHelper {
                                                               validIds.
                                                               add(c.Id
                                                               );
                                                            }
                                                          }
                                                        }
  public static void
    updateworkOrders(List<Case>
    updWorkOrders, Map<Id,Case>
                                                        if (!validIds.isEmpty()){
    nonUpdCaseMap) { Set<Id> validIds= new
                                                           List<Case> newCases = new
    Set<Id>();
                                                          List<Case>();
                                                          Map<Id,Case> closedCasesM = new
                                                    Map<Id,Case>([SELECT Id, Vehicle c,
                                                    Equipment c,Equipment r.Maintenance_Cycle
    For (Case c:updWorkOrders){
                                                    c,(SELECT Id,Equipment c,Quantity c FROM
      if (nonUpdCaseMap.get(c.Id).Status !=
                                                    Equipment_Maintenance_Items r)
```

'Closed' && c.Status == 'Closed'){

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| OM Case | С |
| WHERE Id IN | a |
| :validIds]); | S |
| Map <id,deci< td=""><td>е</td></id,deci<> | е |
| mal> | |
| maintenance | С |
| Cycles = new | С |
| Map <id,deci< td=""><td></td></id,deci<> | |
| mal>(); | : |
| AggregateRes | |
| ult[] results= | С |
| [SELECT | l |
| Maintenance | 0 |
| _Request c, | S |
| MIN(Equipmentr.Maintenance_Cyclec | е |
|)cycle FROM | d |
| Equipment_Maintenance_Item c | С |
| WHERE Maintenance_Request c IN | a |
| :ValidIds GROUP BY | S |
| Maintenance_Request c]; | е |
| | S |
| for (AggregateResult ar : results){ | М |
| | • |
| maintenanceCycles.put((Id)ar.get('Main | V |
| tenance_Requestc'),(Decimal) | a |
| ar.get('cycle')); | l |
| } | u |
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          ip
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                                                       insert newCases;
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                                                       List<Equipment_Maintenance_Item c>
          g
                                                       clonedWPs = new
          in
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          eb
          Date_Reportedc = Date.Today()
        );
                                                  Lis
                                                       t
                                                       <
        (maintenanceCycles.containskey(cc.I
                                                       Ε
        d)){
                                                       q
          nc.Date_Due__c
                                                       u
          =Date.today().addDays((Integer)m
          aintenanceCycles.get(cc.Id));
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| n | for (Equipment_Maintenance_Item c |
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| a | wp: |
| n | closedCasesM.get(nc.ParentId).Equipment_M |
| С | aintenance_Items r){ |
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                                                                     public with sharing
                                                                        classWarehouseC
         }
                                                                        alloutService
                                                                       implements
        }
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                                                                        private static final
        insert ClonedWPs;
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| /class that makesaREST callout to an | re |
| externalwarehouse system to get a list of | ho |
| equipmentthat needs to be updated. | us |
| The callout's JSON response returns the equipmentrecords | eE |
| that you upsert inSalesforce. | qu in |
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| t< | t2> |
| Pr | (); |
| od | if(response.getStatusCode() == 200){ |
| uc | List <object> jsonRespon se</object> |
| t2> | =(List <object >)JSON.deseri</object |
| wa | alizeUntyped (response.get |
| re | Body()); System.debu |
| ho | g(response.g etBody()); |
| us | /class maps the following |
| $\boldsymbol{\omega}$ | fields:replacement part (alwaystrue), cost, currentinventory, lifespan, |
| Eq | maintenance cycle, and warehouse SKU |
| | /warehouse SKU will be external ID for identifying which equipment records toupdate |
| | withinSalesforce for (Object eq : jsonResponse){ |
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| j | art c = |
| e | (Boolean) |
| С | mapJson.g |
| t | et('replace |
| > | ment'); |
|) | myEq.Na |
| e | me = |
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(String)
                                                      y');
mapJson.g
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et('name');
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                                                      g)
                                                      mapJs
                                                      on.get('
                                                      _id');
                                                      wareh
                                                      ouseEq
                                                      .add(m
myEq.Maintenance_Cycle c = (Integer)
                                                     yEq);
mapJson.get('maintenanceperiod');
                                                   }
myEq.Lifespan_Months c = (Integer)
mapJson.get('lifespan');
                                                   if
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ost c =
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tory c =
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(Doubl
                                                      System.debug('Your equipmentwas
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                                                      synced with the warehouse one');
mapJs
                                                   }
on.get('
                                                 }
quantit
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```
}
                                                   global staticHttpResponse
                                                   respond(HttpRequest request){
  public static void
    execute
    (QueueableCo
    ntext context){
    runWarehouse
    EquipmentSyn
    c();
 }
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APEXSPECIALIST SUPER BADGE
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 WarehouseCalloutServiceMock.apxc:
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{\it global\ classWarehouse Callout Service Mock}
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implements HttpCalloutMock {
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  / implement http mock callout
```

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| t- Ty | | implements HttpCalloutMock { |
| pe | | / implement http mock callout |
| ī | | global staticHttpResponse |
| , 'ap | | respond(HttpRequest request){ |
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| n'); | | sp |
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| response.setBody('[{"_id":"55 | | re |
| 611100aaf741","replacement" ity":5,"na me":"Gene rator | iaise, quant | sp |
| 1000kW","maintenanceperio | d":265 "lifos | on |
| pan":120,"cost":5000,"sku":"10 | · | se |
| ":"55d6622672 | 00005 J,[_Iu | = |
| 6b611100aaf742","replaceme | nt"·true "au | n |
| antity":183,"name":"Cooling | · • | ew |
| Fan","maintenanceperiod":0, | | Ht |
| cost":300,"sku":"100004"},{"_i | | tp |
| 726b611 100aaf743 | | Re |
| ","replacement":true,"quanti | ity":143,"na | sp |
| me":"Fuse | , | on |
| 20A","maintenanceperiod":0 | ,"lifespan":0, | se(); |
| "cost":22,"sku":"100005"}]'); | | ,, res |
| response.setStatusCod | e(200); | po |
| | | ns |
| | | e.s |
| return response; | | et |
| } | | He |
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| | <u>WarehouseC</u> | 'Co |
| | <u>alloutService</u> | nt |
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    n');
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response.setBody('[{"_id":"55d66226726b
611100aaf741","replacement":false,"quant
                                                             }
ity":5,"na me":"Gene rator
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1000kW","maintenanceperiod":365,"lifes
pan":120,"cost":5000,"sku":"100003"},{"_id
":"55d6622672
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antity":183,"name":"Cooling
Fan","maintenanceperiod":0,"lifespan":0,"
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20A","maintenanceperiod":0,"lifespan":0,"cost"
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:22,"sku":"100005"}]');
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| global with sharing | |
| class | W |
| WarehouseSyncS | a |
| chedule | r |
| implementsSche | e h |
| dulable{ | 0 |
| void | u |
| execute(Schedul | S |
| ableContext ctx){ | e |
| System.enqueueJob(new | S |
| WarehouseCalloutService()); | c |
| } | h |
| } | е |
| | d |
| <u>WarehouseS</u> | u |
| <u>yncSchedule</u> | l |
| | |
| <u>Test.apxc:</u> | e |
| | e T |
| @isTest | T e |
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| @isTest public class WarehouseSyncScheduleTest { | T e s |
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| <pre>@isTest public class WarehouseSyncScheduleTest { @i s T e s t </pre> | T e s t () { S t r i n g |

```
е
                                                      Test.setMock(HttpCalloutMock.class, new
d
                                                      WarehouseCalloutServiceMock());
u
                                                      String
l
                                                 jobID=System.schedule('Warehouse Time To
е
                                                 Scheduleto Test', scheduleTime, new
Т
                                                 WarehouseSyncSchedule());
                                                      Test.stopTest();
m
                                                      /Contains schedule information for a
е
                                                 scheduledjob. CronTrigger is similarto a
                                                 cron job on UNIX systems.
=
                                                      / This object is available in API version
                                                      17.0 and later.
0
                                                      CronTrigger
0
                                                      a=[SELECTId
                                                      FROM
0
                                                      CronTrigger
0
                                                      where
                                                      NextFireTime >
0
                                                      today];
                                                      System.assertE
                                                      quals(jobID,
                                                      a.Id,'Schedule
                                                      ');
?
                                                   }
                                                 }
```