

Project Document

Apex Triggers

Get started with Apex Triggers:

AccountAddressTrigger:

```
1 trigger AccountAddressTrigger on Account (before insert,before
  update)
2 {
3   for(Account account:Trigger.New)
4   {
5     if(account.Match_Billing_Address__c==True){
6       account.ShippingPostalCode=account.BillingPostalCode;
7     } } }
```

Bulk Apex Triggers:

ClosedOpportunityTigger:

```
1 trigger ClosedOpportunityTrigger on Opportunity (after insert,
  after update) { List<Task> tasklist =new List<Task>();
2   for(Opportunity opp:Trigger.New){
3     if(opp.StageName=='Closed Won'){
4       tasklist.add(new Task(Subject='Follow Up Test
5     }
6   }
7   if(tasklist.size()>0){
8     insert tasklist;
9   }
10 }
11 }
```

Apex Testing

Get Started with Apex Unit Tests:

VerifyDate

```
1 public class VerifyDate {
2   public static Date CheckDates(Date date1, Date date2) {
```

```

    if(DateWithin30Days(date1,date2)) { return date2;
3  } else {
4  return SetEndOfMonthDate(date1);
5  }
6  }
7  @TestVisible private static Boolean DateWithin30Days(Date date1,
    Date date2) { if( date2 < date1) { return false; }
8  Date date30Days = date1.addDays(30); if( date2 >= date30Days ) {
    return false; }
9  else { return true; }
10 }
11 @TestVisible private static Date SetEndOfMonthDate(Date date1) {
12 Integer totalDays = Date.daysInMonth(date1.year(),
    date1.month()); Date lastDay = Date.newInstance(date1.year(),
    date1.month(), totalDays); return lastDay;
13 }
14 }
15

```

TestVerifyDate

```

1  @isTest
2  private class TestVerifyDate {
3  @isTest static void Test_CheckDates_case1()
4  {
5      Date D=VerifyDate.CheckDates(date.parse('01/01/2020'),
        date.parse('01/05/2020'));
        System.assertEquals(date.parse('01/05/2020'),D);
6  }
7  @isTest static void Test_CheckDates_case2()
8  {
9      Date D=VerifyDate.CheckDates(date.parse('01/01/2020'),
        date.parse('05/05/2020'));
        System.assertEquals(date.parse('01/31/2020'),D);
10 }
11 @isTest static void Test_DateWithin30Days_case1()
12 {
13     Boolean
        flag=VerifyDate.DateWithin30Days(date.parse('01/01/2020'),date.par
14 }
15 @isTest static void Test_DateWithin30Days_case2()
16 {
17     Boolean
        flag=VerifyDate.DateWithin30Days(date.parse('01/01/2020'),date.par

```

```

18     }
19     @isTest static void Test_DateWithin30Days_case3()
20     {
21         Boolean
22         flag=VerifyDate.DateWithin30Days(date.parse('01/01/2020'),date.par
23     }
24     @isTest static void Test_SetEndOfMonthDate(){
25         Date
26         returndate=VerifyDate.SetEndOfMonthDate(date.parse('01/01/2022'));
27     }
28 }

```

Test Apex Triggers

RestrictContactByName

```

1 trigger RestrictContactByName on Contact (before insert, before
2 update) {
3     For (Contact c : Trigger.New) { if(c.LastName == 'INVALIDNAME') {
4         c.AddError('The Last Name "'+c.LastName+'" is not allowed for
5     }
6 }

```

TestRestrictContactByName

```

1 @isTest
2 public class TestRestrictContactByName {
3     @isTest static void Test_insertupdateContact()
4     {
5         Contact cnt= new Contact();
6         cnt.LastName='INVALIDNAME';
7         Test.startTest();
8         Database.SaveResult result=Database.insert(cnt,false);
9         Test.stopTest();
10        System.assert(!result.isSuccess());
11        System.assert(result.getErrors().size()>0);

```

```
12         System.assertEquals('The Last Name "INVALIDNAME" is not
13     }
14 }
```

Create Test Data for Apex Testes

RandomContactFactory

```
1 public class RandomContactFactory {
2     public static List<Contact> generateRandomContacts(Integer
    numcnt,string lastname){
3         List <Contact> contacts= new List<Contact>();
4         for(Integer i=0;i<numcnt;i++){
5             Contact cnt=new
    Contact(FirstName='Test'+i,LastName=lastname);
6             contacts.add(cnt);
7         }
8         return contacts;
9     }
```

Asynchronous Apex

Use Future Methods

AccountProcessor

```
1 public class AccountProcessor {
2     @future
3     public static void countContacts(List<Id> accountIds){
4         List<Account> accountToUpdate = new List<Account>();
5         List<Account> accounts=[Select Id, Name,(Select Id from
    Contacts) from Account where Id in :accountIds];
6         for(Account acc:accounts){
7             List<Contact> contactList=acc.Contacts;
8             acc.Number_Of_Contacts__c=contactList.size();
9             accountToUpdate.add(acc);
10        }
11        Update accountToUpdate;
```

```

12     }
13 }
14

```

AccountProcessorTest

```

1  @isTest
2  public class AccountProcessorTest {
3  @isTest
4      private static void testCountContacts(){
5          Account newAccount=new Account(Name='Test Account');
6          insert newAccount;
7
8          Contact newContact1=new
9  Contact(FirstName='John',LastName='Doe',AccountId=newAccount.Id);
10         insert newContact1;
11
12         Contact newContact2=new
13  Contact(FirstName='Jane',LastName='Doe',AccountId=newAccount.Id);
14         insert newContact2;
15         List<Id> accountIds=new List<Id>();
16         accountIds.add(newAccount.Id);
17         Test.startTest();
18         AccountProcessor.countContacts(accountIds);
19         Test.stopTest();
20     }
21 }

```

Use Batch Apex

LeadProcessor

```

1  global class LeadProcessor implements Database.Batchable<sObject>
2  { global Integer count = 0;
3      global Database.QueryLocator start(Database.BatchableContext
4      bc){
5          return Database.getQueryLocator('SELECT ID, LeadSource
6
7      }
8      global void execute(Database.BatchableContext bc,List<Lead>
9      L_list){
10         List<lead> L_list_new=new List<lead>();

```

```

7         for(lead L:L_list){
8             L.leadsource='Dreamforce';
9             L_list_new.add(L);
10            count+=1;
11        }
12        update L_list_new;
13    }
14    global void finish(Database.BatchableContext bc){
15        System.debug('count = '+count);
16    }
17 }

```

LeadProcessorTest

```

1  @isTest
2  public class LeadProcessorTest {
3  @isTest
4      public static void testit(){
5          List<lead>L_list =new List<lead>();
6          for(Integer i=0;i<200;i++){
7              Lead L=new lead();
8              L.LastName='name'+i;
9              L.Company='Company';
10             L.Status='Random Status';
11             L_list.add(L);
12         }
13         insert L_list;
14         Test.startTest();
15         LeadProcessor lp=new LeadProcessor();
16         Id batchId=Database.executeBatch(lp);
17         Test.stopTest();
18     }
19 }

```

Control Processes with Queueable Apex

AddPrimaryContact

```

1  public class AddPrimaryContact implements Queueable{ private
    Contact con;

```

```

2     private String state;
3     public AddPrimaryContact(Contact con, String state){
4         this.con=con;
5         this.state=state;
6     }
7     public void execute(QueueableContext context){
8         List<Account> accounts= [Select Id,Name,(Select
        FirstName,LastName,Id from contacts) from Account where
        BillingState = :state Limit 200];         List<Contact>
        primaryContacts=new List<Contact>();
9
10        for(Account acc:accounts){
11            Contact c=con.clone();
12            c.AccountId=acc.Id;
13            primaryContacts.add(c);
14        }
15        if(primaryContacts.size()>0){
16            insert primaryContacts;
17        }
18    }
19 }

```

AddPrimaryContactTest

```

1  @isTest
2  public class AddPrimaryContactTest {
3      static testmethod void testQueueable(){
4          List<Account> testAccounts=new List<Account>();
5          for(Integer i=0;i<50;i++){
6              testAccounts.add(new
        Account(Name='Account'+i,BillingState='CA'));
7          }
8          for(Integer j=0;j<50;j++){
9              testAccounts.add(new
        Account(Name='Account'+j,BillingState='NY'));
10         }
11         insert testAccounts;
12         Contact testContact = new
        Contact(FirstName='John',LastName='Doe');         insert
        testContact;
13         AddPrimaryContact addit= new
        addPrimaryContact(testContact,'CA');
14         Test.startTest();
15         system.enqueueJob(addit);

```

```

16         Test.stopTest();
17         System.assertEquals(50,[Select count() from Contact where
18         accountId in (Select Id from
19 Account where BillingState='CA')]);
20     }
21 }

```

Schedule jobs Using the Apex Scheduler

DailyLeadProcessor

```

1  global class DailyLeadProcessor implements Schedulable {
2      global void execute(SchedulableContext ctx){
3          List<lead> leadstoupdate=new List<lead>();
4          List <Lead> leads=[Select id from Lead where
5          LeadSource=NULL Limit 200];
6          for(Lead l:leads){
7              l.LeadSource='Dreamforce';
8              leadstoupdate.add(l);
9          }
10         update leadstoupdate;
11     }
12 }

```

DailyLeadProcessorTest

```

1  @isTest
2  public class DailyLeadProcessorTest {
3
4      static testMethod void testMethod1(){
5          Test.startTest();
6          List<Lead> lstLead = new List<Lead>();
7          for(Integer i = 0; i<200;i++){
8              Lead led = new Lead();
9              led.FirstName = 'FirstName';
10             led.LastName = 'LastName'+i;
11             led.Company = 'demo'+i;
12             lstLead.add(led);

```



```

13     }
14     insert lstLead;
15
16     DailyLeadProcessor ab = new DailyLeadProcessor();
17     String jobId = System.schedule('jobName', '0 5 * * *
18
19     Test.stopTest();
20 }
21 }
22

```

Apex Integration Services

Apex REST Callouts

AnimalLocator

```

1 public class AnimalLocator{
2     public static String getAnimalNameById(Integer x){
3         Http http = new Http();
4         HttpRequest req = new HttpRequest();
5         req.setEndpoint('https://th-apex-http-
6
7         req.setMethod('GET');
8         Map<String, Object> animal= new Map<String, Object>();
9         HttpResponse res = http.send(req);
10         if (res.getStatusCode() == 200) {
11             Map<String, Object> results = (Map<String,
12             Object>)JSON.deserializeUntyped(res.getBody());
13             animal = (Map<String, Object>) results.get('animal');
14         }
15         return (String)animal.get('name');
16     }
17 }

```

AnimalLocatorTest

```

1 @isTest
2 private class AnimalLocatorTest{

```

```

3     @isTest static void AnimalLocatorMock1() {
4         Test.setMock(HttpCalloutMock.class, new
AnimalLocatorMock());
5         String result = AnimalLocator.getAnimalNameById(3);
6         String expectedResult = 'chicken';
7         System.assertEquals(result, expectedResult );
8     }
9 }

```

AnimalLocatorMock

```

1  @isTest
2  global class AnimalLocatorMock implements HttpCalloutMock {
3      global HTTPResponse respond(HTTPRequest request) {
4          HTTPResponse response = new HTTPResponse();
5          response.setHeader('Content-Type', 'application/json');
6          response.setBody('{"animals": ["majestic badger", "fluffy
7
8          response.setStatusCode(200);
9          return response;
10     }
11 }
12
13
14
15
16
17
18
19
20

```

Apex Web Services

AccountManager

```

1  @RestResource(urlMapping='/Accounts/*/contacts') global class
AccountManager {
2      @HttpGet
3      global static Account getAccount() {
4          RestRequest req = RestContext.request;
5          String accId =
req.requestURI.substringBetween('Accounts/', '/contacts');
6          Account acc = [SELECT Id, Name, (SELECT Id, Name FROM
Contacts)
7                          FROM Account WHERE Id = :accId];
8          return acc;
9      }
10 }

```

AccountManagerTest

```

1 @isTest
2 private class AccountManagerTest {
3
4     private static testMethod void getAccountTest1() {
5         Id recordId = createTestRecord();
6         RestRequest request = new RestRequest();
7         request.requestUri =
8             'https://na1.salesforce.com/services/apexrest/Accounts/' + recordId
9             + '/contacts' ;
10
11         request.httpMethod = 'GET';
12         RestContext.request = request;
13
14         Account thisAccount = AccountManager.getAccount();
15
16         System.assert(thisAccount != null);
17         System.assertEquals('Test record', thisAccount.Name);
18     }
19
20     static Id createTestRecord() {
21         Account TestAcc = new Account(
22             Name='Test record');
23         insert TestAcc;
24         Contact TestCon= new Contact(
25             LastName='Test',
26             AccountId = TestAcc.id);
27         return TestAcc.Id;
28     }
29 }

```

Apex Specialist Super-badge

MaintenanceRequest

```

1 trigger MaintenanceRequest on Case (before update, after update) {
2     if(Trigger.isUpdate && Trigger.isAfter){
3         MaintenanceRequestHelper.updateWorkOrders(Trigger.New,
4             Trigger.OldMap);
5     }
6 }

```

```
5 }
```

MaintenanceRequestHelper

```
1 public with sharing class MaintenanceRequestHelper {
2     public static void updateWorkOrders(List<Case> updWorkOrders,
3     Map<Id,Case> nonUpdCaseMap) {
4         Set<Id> validIds = new Set<Id>();
5         For (Case c : updWorkOrders){
6             if (nonUpdCaseMap.get(c.Id).Status != 'Closed' &&
7             c.Status == 'Closed'){
8                 if (c.Type == 'Repair' || c.Type == 'Routine
9
10                     validIds.add(c.Id);
11             }
12         }
13     }
14     if (!validIds.isEmpty()){
15         List<Case> newCases = new List<Case>();
16         Map<Id,Case> closedCasesM = new Map<Id,Case>([SELECT
17             Id, Vehicle__c,
18             Equipment__c, Equipment__r.Maintenance_Cycle__c,(SELECT
19             Id,Equipment__c,Quantity__c
20             FROM Equipment_Maintenance_Items__r)
21             FROM Case
22             WHERE Id IN :validIds]);
23         Map<Id,Decimal> maintenanceCycles = new
24         Map<ID,Decimal>();
25         AggregateResult[] results = [SELECT
26             Maintenance_Request__c,
27             MIN(Equipment__r.Maintenance_Cycle__c)cycle FROM
28             Equipment_Maintenance_Item__c WHERE Maintenance_Request__c IN
29             :ValidIds GROUP BY Maintenance_Request__c];
30
31         for (AggregateResult ar : results){
32             maintenanceCycles.put((Id)
33             ar.get('Maintenance_Request__c'), (Decimal) ar.get('cycle'));
34         }
35
36         for(Case cc : closedCasesM.values()){
37             Case nc = new Case (
38                 ParentId = cc.Id,
39                 Status = 'New',
40                 Subject = 'Routine Maintenance',
```

```

30         Type = 'Routine Maintenance',
31         Vehicle__c = cc.Vehicle__c,
32         Equipment__c = cc.Equipment__c,
33         Origin = 'Web',
34         Date_Reported__c = Date.Today()
35
36     );
37
38     If (maintenanceCycles.containsKey(cc.Id)){
39         nc.Date_Due__c =
40         Date.today().addDays((Integer) maintenanceCycles.get(cc.Id));
41     }
42     newCases.add(nc);
43 }
44
45 insert newCases;
46
47 List<Equipment_Maintenance_Item__c> clonedWPs = new
48 List<Equipment_Maintenance_Item__c>();
49 for (Case nc : newCases){
50     for (Equipment_Maintenance_Item__c wp :
51         closedCasesM.get(nc.ParentId).Equipment_Maintenance_Items__r){
52         Equipment_Maintenance_Item__c wpClone =
53         wp.clone();
54
55         wpClone.Maintenance_Request__c = nc.Id;
56         ClonedWPs.add(wpClone);
57     }
58 }
59 insert ClonedWPs;
60 }

```

MaintenanceRequestHelperTest

```

1 @istest
2 public with sharing class MaintenanceRequestHelperTest {
3
4     private static final string STATUS_NEW = 'New';
5     private static final string WORKING = 'Working';
6     private static final string CLOSED = 'Closed';
7     private static final string REPAIR = 'Repair';

```

```

8     private static final string REQUEST_ORIGIN = 'Web';
9     private static final string REQUEST_TYPE = 'Routine

10    private static final string REQUEST_SUBJECT = 'Testing

11
12    PRIVATE STATIC Vehicle__c createVehicle(){
13        Vehicle__c Vehicle = new Vehicle__C(name = 'SuperTruck');
14        return Vehicle;
15    }
16    PRIVATE STATIC Product2 createEq(){
17        product2 equipment = new product2(name = 'SuperEquipment',
18                                            lifespan_months__C = 10,
19                                            maintenance_cycle__C =
20        10,
21                                            replacement_part__c =
22        true);
23        return equipment;
24    }
25
26    PRIVATE STATIC Case createMaintenanceRequest(id vehicleId, id
27    equipmentId){
28        case cs = new case(Type=REPAIR,
29                            Status=STATUS_NEW,
30                            Origin=REQUEST_ORIGIN,
31                            Subject=REQUEST_SUBJECT,
32                            Equipment__c=equipmentId,
33                            Vehicle__c=vehicleId);
34        return cs;
35    }
36
37    PRIVATE STATIC Equipment_Maintenance_Item__c createWorkPart(id
38    equipmentId,id requestId){
39        Equipment_Maintenance_Item__c wp = new
40    Equipment_Maintenance_Item__c(Equipment__c = equipmentId,
41    Maintenance_Request__c = requestId);
42        return wp;
43    }
44
45    @istest
46    private static void testMaintenanceRequestPositive(){
47        Vehicle__c vehicle = createVehicle();

```

```

45         insert vehicle;
46         id vehicleId = vehicle.Id;
47
48         Product2 equipment = createEq();
49         insert equipment;
50         id equipmentId = equipment.Id;
51
52         case somethingToUpdate =
createMaintenanceRequest(vehicleId,equipmentId);
53         insert somethingToUpdate;
54
55         Equipment_Maintenance_Item__c workP =
56 createWorkPart(equipmentId,somethingToUpdate.id);
57         insert workP;
58
59         test.startTest();
60         somethingToUpdate.status = CLOSED;
61         update somethingToUpdate;
62         test.stopTest();
63
64         Case newReq = [Select id, subject, type, Equipment__c,
Date_Reported__c, Vehicle__c,
65 Date_Due__c
66                         from case
67                         where status =:STATUS_NEW];
68
69         Equipment_Maintenance_Item__c workPart = [select id
70                                                     from
Equipment_Maintenance_Item__c
where Maintenance_Request__c =:newReq.Id];
71
72         system.assert(workPart != null);
73         system.assert(newReq.Subject != null);
74         system.assertEquals(newReq.Type, REQUEST_TYPE);
75         SYSTEM.assertEquals(newReq.Equipment__c, equipmentId);
76         SYSTEM.assertEquals(newReq.Vehicle__c, vehicleId);
77         SYSTEM.assertEquals(newReq.Date_Reported__c,
system.today());
78     }
79
80     @istest
81     private static void testMaintenanceRequestNegative(){
82         Vehicle__c vehicle = createVehicle();
83         insert vehicle;

```

```

84         id vehicleId = vehicle.Id;
85
86         product2 equipment = createEq();
87         insert equipment;
88         id equipmentId = equipment.Id;
89
90         case emptyReq =
91             createMaintenanceRequest(vehicleId,equipmentId);
92             insert emptyReq;
93
94             Equipment_Maintenance_Item__c workP =
95             createWorkPart(equipmentId, emptyReq.Id);
96             insert workP;
97
98             test.startTest();
99             emptyReq.Status = WORKING;
100             update emptyReq;
101             test.stopTest();
102
103             list<case> allRequest = [select id
104                                     from case];
105             Equipment_Maintenance_Item__c workPart = [select id
106                                                         from
107                                                         Equipment_Maintenance_Item__c
108                                                         where
109                                                         Maintenance_Request__c = :emptyReq.Id];
110             system.assert(workPart != null);
111             system.assert(allRequest.size() == 1);
112         }
113
114         @istest
115         private static void testMaintenanceRequestBulk(){
116             list<Vehicle__C> vehicleList = new list<Vehicle__C>();
117             list<Product2> equipmentList = new list<Product2>();
118             list<Equipment_Maintenance_Item__c> workPartList = new
119             list<Equipment_Maintenance_Item__c>();          list<case>
120             requestList = new list<case>();
121             list<id> oldRequestIds = new list<id>();
122
123             for(integer i = 0; i < 300; i++){
124                 vehicleList.add(createVehicle());
125                 equipmentList.add(createEq());
126             }
127             insert vehicleList;

```



```

120         insert equipmentList;
121
122         for(integer i = 0; i < 300; i++){
123             requestList.add(createMaintenanceRequest(vehicleList.get(i).id,
124                 equipmentList.get(i).id));
125             insert requestList;
126
127             for(integer i = 0; i < 300; i++){
128                 workPartList.add(createWorkPart(equipmentList.get(i).id,
129                     requestList.get(i).id));
130                 insert workPartList;
131
132                 test.startTest();
133                 for(case req : requestList){
134                     req.Status = CLOSED;
135                     oldRequestIds.add(req.Id);
136                 }
137                 update requestList;
138                 test.stopTest();
139
140                 list<case> allRequests = [select id
141                                         from case
142                                         where status =: STATUS_NEW];
143
144                 list<Equipment_Maintenance_Item__c> workParts = [select
145                     id
146                     from
147                     Equipment_Maintenance_Item__c
148                     where
149                     Maintenance_Request__c in: oldRequestIds];
150             }
151         }

```

```

1 public with sharing class WarehouseCalloutService {
2
3     private static final String WAREHOUSE_URL = 'https://th-
4
5     //@future(callout=true)
6     public static void runWarehouseEquipmentSync(){
7
8         Http http = new Http();
9         HttpRequest request = new HttpRequest();
10
11         request.setEndpoint(WAREHOUSE_URL);
12         request.setMethod('GET');
13         HttpResponse response = http.send(request);
14
15
16         List<Product2> warehouseEq = new List<Product2>();
17
18         if (response.getStatusCode() == 200){
19             List<Object> jsonResponse =
20 (List<Object>)JSON.deserializeUntyped(response.getBody());
21             System.debug(response.getBody());
22
23             for (Object eq : jsonResponse){
24                 Map<String,Object> mapJson =
25 (Map<String,Object>)eq;
26                 Product2 myEq = new Product2();
27                 myEq.Replacement_Part__c = (Boolean)
28 mapJson.get('replacement');
29                 myEq.Name = (String) mapJson.get('name');
30                 myEq.Maintenance_Cycle__c = (Integer)
31 mapJson.get('maintenanceperiod');
32                 myEq.Lifespan_Months__c = (Integer)
33 mapJson.get('lifespan');
34                 myEq.Cost__c = (Decimal) mapJson.get('lifespan');
35                 myEq.Warehouse_SKU__c = (String)
36 mapJson.get('sku');
37                 myEq.Current_Inventory__c = (Double)
38 mapJson.get('quantity');
39                 warehouseEq.add(myEq);
40             }
41
42             if (warehouseEq.size() > 0){
43                 upsert warehouseEq;
44                 System.debug('Your equipment was synced with the

```

```

38         }
39     }
40 }
41 }

```

WarehouseCalloutServiceMock

```

1  @isTest
2  global class WarehouseCalloutServiceMock implements
    HttpCalloutMock {
3      global static HttpResponse respond(HttpRequest request){
4
5          System.assertEquals('https://th-superbadge-
        ));
6          System.assertEquals('GET', request.getMethod());
7          HttpResponse response = new HttpResponse();
8          response.setHeader('Content-Type', 'application/json');
9          response.setBody(' [{"_id":"55d66226726b611100aaf741","replacement"
        :false,"quantity":5,"name":
10 "Generator 1000
        period":365,"lifespan":120,"cost":5000,"sku":"1000
11
        return response;
12     }
13 }

```

WarehouseCalloutServiceTest

```

1  @isTest
2
3  private class WarehouseCalloutServiceTest {
4      @isTest
5      static void testWareHouseCallout(){
6          Test.startTest();
7          Test.setMock(HTTPCalloutMock.class, new
        WarehouseCalloutServiceMock());
8          WarehouseCalloutService.runWarehouseEquipmentSync();
9          Test.stopTest();
10         System.assertEquals(1, [SELECT count() FROM Product2]);
11     }
12 }

```

WarehouseSyncSchedule

```

1 global class WarehouseSyncSchedule implements Schedulable {
2     global void execute(SchedulableContext ctx) {
3         WarehouseCalloutService.runWarehouseEquipmentSync();
4     }
5 }

```

WarehouseSyncScheduleTest

```

1 @isTest
2 public class WarehouseSyncScheduleTest {
3
4     @isTest static void WarehousescheduleTest(){
5         String scheduleTime = '00 00 01 * * ?';
6         Test.startTest();
7         Test.setMock(HttpCalloutMock.class, new
WarehouseCalloutServiceMock());
8         String jobID=System.schedule('Warehouse Time To Schedule
9 WarehouseSyncSchedule());
10        Test.stopTest();
11        CronTrigger a=[SELECT Id FROM CronTrigger where
NextFireTime > today];
12        System.assertEquals(jobID, a.Id,'Schedule ');
13    }
14 }

```