

## GET STARTED WITH APEX TRIGGERS

```
trigger AccountAddressTrigger on Account (before insert) {
    for(Account account:Trigger.New){
        if(account.Match_Billing_Address__c==True){
            account.ShippingPostalCode=account.BillingPostalCode;
        }
    }
}
```

## BULK APEX TRIGGERS

```
trigger ClosedOpportunityTrigger on Opportunity (after insert,after update){
    List<Task> taskList = new List<Task>();
    for(Opportunity opp:Trigger.New){
        if(opp.StageName=='Closed Won'){
            taskList.add(new Task(Subject='Follow up test task',
                                WhatId=opp.Id));
        }
    }
    if(taskList.size()>0){
        insert taskList;
    }
}
```

## GET STARTED WITH APEX UNIT TESTS

### VerifyDate:

```
public class VerifyDate {

    public static Date CheckDates(Date date1, Date date2) {

        if(DateWithin30Days(date1,date2)) {
            return date2;
        } else {
```

```

        return SetEndOfMonthDate(date1);
    }
}

@TestVisible private static Boolean DateWithin30Days(Date date1, Date date2) {

    if( date2 < date1) { return false; }
    Date date30Days = date1.addDays(30); //create a date 30 days away from date1
    if( date2 >= date30Days ) { return false; }
    else { return true; }
}

@TestVisible private static Date SetEndOfMonthDate(Date date1) {
    Integer totalDays = Date.daysInMonth(date1.year(), date1.month());
    Date lastDay = Date.newInstance(date1.year(), date1.month(), totalDays);
    return lastDay;
}

}

```

### **TestVerifyDate:**

```

@isTest
public class TestVerifyDate {
    @isTest static void Test_CheckDates_case1(){
        Date d = VerifyDate.CheckDates(Date.parse('01/01/2020'), Date.parse('01/03/2020'));
        System.assertEquals(Date.parse('01/03/2020'),d);
    }
    @isTest static void Test_CheckDates_case2(){
        Date d = VerifyDate.CheckDates(Date.parse('01/01/2020'), Date.parse('03/03/2020'));
        System.assertEquals(Date.parse('01/31/2020'),d);
    }
}

```

## **TEST APEX TRIGGERS**

### **RestrictContactByName:**

trigger RestrictContactByName on Contact (before insert, before update) {

```

For (Contact c : Trigger.New) {
    if(c.LastName == 'INVALIDNAME') { //invalidname is invalid

```

```

        c.AddError('The Last Name "'+c.LastName+'" is not allowed for DML');
    }

}
}

```

### **TestRestrictContactByName:**

```

@isTest
public class TestRestrictContactByName {
    @isTest static void Test_insertupdateContact(){
        Contact cnt = new Contact();
        cnt.LastName = 'INVALIDNAME';
        Test.startTest();
        Database.SaveResult result = Database.insert(cnt, false);
        Test.stopTest();
        System.assert(!result.isSuccess());
        System.assert(result.getErrors().size() > 0);
        System.assertEquals('The Last Name "INVALIDNAME" is not allowed for DML',
            result.getErrors()[0].getMessage());
    }
}

```

## **CREATE TEST DATA FOR APEX TESTS**

### **RandomContactFactory:**

```

public class RandomContactFactory {
    public static List<Contact> generateRandomContacts(Integer numcnt, string lastname){
        List<Contact> contacts = new List<Contact>();
        for(Integer i=0;i<numcnt;i++){
            Contact cnt = new Contact(Firstname = 'Test'+i, LastName = lastname);
            contacts.add(cnt);
        }
        return contacts;
    }
}

```

## **USE FUTURE METHODS**

**AccountProcessor:**

```
public class AccountProcessor{
    @future
    public static void countContacts(List<id> accountIds){
        List<Account> accountsToUpdate = new List<Account>();
        List<Account> accounts = [Select Id,Name, (Select Id from Contacts) from Account where
Id in :accountIds];
        For(Account acc:accounts){
            List<Contact> ContactList = acc.Contacts;
            acc.Number_Of_Contacts__c = contactList.size();
            accountsToUpdate.add(acc);
        }
        update accountsToUpdate;
    }
}
```

**AccountProcessorTest:**

```
@IsTest
public class AccountProcessorTest {
    @IsTest
    private static void testCountContacts(){
        Account newAccount = new Account(Name='Test Account');
        insert newAccount;

        Contact newContact1 = new
Contact(FirstName='john',LastName='doe',AccountId=newAccount.Id);
        insert newContact1;
        Contact newContact2 = new
Contact(FirstName='jane',LastName='doe',AccountId=newAccount.Id);
        insert newContact2;
        List<id> accountIds= new List<Id>();
        accountIds.add(newAccount.Id);
        Test.startTest();
        AccountProcessor.countContacts(accountIds);
        Test.stopTest();
    }
}
```

```
}
```

**USE BATCH APEX**

### **LeadProcessor:**

```
global class LeadProcessor implements Database.Batchable<sObject>{
    global Integer count=0;
    global Database.QueryLocator start(Database.BatchableContext bc){
        return Database.getQueryLocator('SELECT ID, LeadSource FROM Lead');
    }
    global void execute (Database.BatchableContext bc, List<Lead> L_list){
        List<lead> L_list_new = new List<lead>();
        for(lead L:L_list){
            L.leadsource = 'Dreamforce';
            L_list_new.add(L);
            count+=1;
        }
        update L_list_new;
    }
    global void finish(Database.BatchableContext bc){
        system.debug('count = '+ count);
    }
}
```

### **LeadProcessorTest:**

```
@isTest
public class LeadProcessorTest {

    @isTest
    public static void testit(){
        List<lead> L_list = new List<lead>();

        for(Integer i=0;i<200;i++){
            Lead L = new lead();
            L.LastName = 'name'+i;
            L.Company='Company';
            L.Status='Random Status';
        }
    }
}
```

```

        L_list.add(L);
    }
    insert L_list;

    Test.startTest();
    LeadProcessor lp = new LeadProcessor();
    Id batchId = Database.executeBatch(lp);
    Test.stopTest();

}

}

```

## CONTROL PROCESSOR WITH QUEUEABLE APEX

### AddPrimaryContact:

```

public class AddPrimaryContact implements Queueable {

    private Contact con;
    private String state;
    public AddPrimaryContact(Contact con,String state){
        this.con=con;
        this.state=state;
    }
    public void execute(QueueableContext context){
        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>();
        for(account acc:accounts){
            Contact c = con.clone();
            c.AccountId = acc.Id;
            primaryContacts.add(c);
        }
        if(primaryContacts.size() > 0){
            insert primaryContacts;
        }
    }
}

```

```
}  
}
```

### **AddPrimaryContactTest:**

```
@isTest  
public class AddPrimaryContactTest {  
    static testmethod void testQueueable(){  
        List<Account> testAccounts = new List<Account>();  
        for(Integer i=0;i<50;i++){  
            testAccounts.add(new Account(Name='Account'+i,BillingState='CA'));  
        }  
        for(Integer j=0;j<50;j++){  
            testAccounts.add(new Account(Name='Account'+j,BillingState='NY'));  
        }  
        insert testAccounts;  
        Contact testContact = new Contact(FirstName= 'john',LastName='doe');  
        insert TestContact;  
  
        AddPrimaryContact addit=new addPrimaryContact(testContact, 'CA');  
        Test.startTest();  
        system.enqueueJob(addit);  
        Test.stopTest();  
        system.assertEquals(50,[Select count() from Contact where accountId in(Select Id from  
Account where BillingState='CA')]);  
    }  
}
```

### **SCHEDULE JOBS USING THE APEX SCHEDULER**

### **DailyLeadProcessor:**

```
global class DailyLeadProcessor implements Schedulable {  
    global void execute(SchedulableContext ctx) {  
  
        List<Lead> lList = [Select Id, LeadSource from Lead where LeadSource = null];  
        if(!lList.isEmpty()) {  
            for(Lead l: lList) {  
                l.LeadSource = 'Dreamforce';  
            }  
        }  
    }  
}
```

```

    }
    update IList;
}
}
}

```

### DailyLeadProcessorTest:

```

@isTest
private class DailyLeadProcessorTest {
    static testMethod void testDailyLeadProcessor() {
        String CRON_EXP = '0 0 1 * * ?';
        List<Lead> IList = new List<Lead>();
        for (Integer i = 0; i < 200; i++) {
            IList.add(new Lead(LastName='Dreamforce'+i, Company='Test1 Inc.',
Status='Open - Not Contacted'));
        }
        insert IList;

        Test.startTest();
        String jobId = System.schedule('DailyLeadProcessor', CRON_EXP, new
DailyLeadProcessor());
    }
}

```

### APEX REST CALLOUTS

### AnimalLocator:

```

public class AnimalLocator {
    public static String getAnimalNameById(Integer x){
        Http http=new Http();
        HttpRequest req=new HttpRequest();
        req.setEndpoint('https://th-apex-http-callout.herokuapp.com/animals/'+ x);
        req.setMethod('GET');
        Map<String,Object>animal=new Map<String,Object>();
        HttpResponse res=http.send(req);
        if(res.getStatusCode()==200){
            Map<String,Object>results=(Map<String,Object>)JSON.deserializeUntyped(res.getBody());
            animal=(Map<String,Object>)results.get('animal');
        }
    }
}

```



```

    }
    return(String)animal.get('name');
}
}
}
AnimalLocatorTest:
@Test
public class AnimalLocatorTest {
    @Test static void AnimalLocatorMock1(){
        Test.setMock(HttpCalloutMock.class,new AnimalLocatorMock());
        string result=AnimalLocator.getAnimalNameById(3);
        String expectedResult='chicken';
        System.assertEquals(result, expectedResult);
    }
}

```

```

AnimalLocatorMock:
@Test
global class AnimalLocatorMock implements HttpCalloutMock{
    global HTTPResponse respond(HTTPRequest request){
        HttpResponse response=new HttpResponse();
        response.setHeader('Content-Type','application/json');
        response.setBody('{"animals":["bird","bunny","bear","chicken"]}');
        response.setStatusCode(200);
        return response;
    }
}

```

## APEX SOAP CALLOUTS

```

ParkLocator:
public class ParkLocator {
    public static string[] country(string theCountry) {
        ParkService.ParksImplPort parkSvc = new ParkService.ParksImplPort(); // remove space
        return parkSvc.byCountry(theCountry);
    }
}

```

```

ParkLocatorTest:
@Test
private class ParkLocatorTest {

```

```

@isTest static void testCallout() {
    Test.setMock(WebServiceMock.class, new ParkServiceMock ());
    String country = 'United States';
    List<String> result = ParkLocator.country(country);
    List<String> parks = new List<String>{'Yellowstone', 'Mackinac National Park', 'Yosemite'};
    System.assertEquals(parks, result);
}
}

```

### **ParkServiceMock :**

```

@isTest
global class ParkServiceMock implements WebServiceMock {
    global void doInvoke(
        Object stub,
        Object request,
        Map<String, Object> response,
        String endpoint,
        String soapAction,
        String requestName,
        String responseNS,
        String responseName,
        String responseType) {
        ParkService.byCountryResponse response_x = new ParkService.byCountryResponse();
        response_x.return_x = new List<String>{'Yellowstone', 'Mackinac National Park', 'Yosemite'};
        response.put('response_x', response_x);
    }
}

```

## **APEX WEBSERVICES**

### **AccountManager:**

```

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

```

```
}  
}
```

### **AccountManagerTest:**

@isTest

```
private class AccountManagerTest {
```

```
    private static testMethod void getAccountTest1() {  
        Id recordId = createTestRecord();  
        RestRequest request = new RestRequest();  
        request.requestUri = 'https://na1.salesforce.com/services/apexrest/Accounts/'+ recordId  
+ '/contacts';  
        request.httpMethod = 'GET';  
        RestContext.request = request;  
        Account thisAccount = AccountManager.getAccount();  
        System.assert(thisAccount != null);  
        System.assertEquals('Test record', thisAccount.Name);  
    }  
    static Id createTestRecord() {  
        Account TestAcc = new Account(  
            Name='Test record');  
        insert TestAcc;  
        Contact TestCon= new Contact(  
            LastName='Test',  
            AccountId = TestAcc.id);  
        return TestAcc.id;  
    }  
}
```

**APEX SPECIALIST SUPERBADGE**

### **Step2-Automate Record Creation:**

#### **1.MaintenanceRequest.apxt**

```
trigger MaintenanceRequest on Case (before update, after update) {
```

```

    if (Trigger.isUpdate && Trigger.isAfter){
        MaintenanceRequestHelper.updateworkOrders(Trigger.New,Trigger.OldMap);
    }
}

```

## 2.MaintenanceRequestHelper.apxc

```

public with sharing class MaintenanceRequestHelper {
    public static void updateworkOrders(List<Case> updWorkOrders, Map<Id,Case>
nonUpdCaseMap) {
        Set<Id> validIds = new Set<Id>();
        For (Case c : updWorkOrders){
            if (nonUpdCaseMap.get(c.Id).Status != 'Closed' && c.Status == 'Closed'){
                if (c.Type == 'Repair' || c.Type == 'Routine Maintenance'){
                    validIds.add(c.Id);
                }
            }
        }

        if (!validIds.isEmpty()){
            Map<Id,Case> closedCases = new Map<Id,Case>([SELECT Id, Vehicle__c, Equipment__c,
Equipment__r.Maintenance_Cycle__c,
                (SELECT Id,Equipment__c,Quantity__c FROM
Equipment_Maintenance_Items__r)
                FROM Case WHERE Id IN :validIds]);
            Map<Id,Decimal> maintenanceCycles = new Map<ID,Decimal>();
            AggregateResult[] results = [SELECT Maintenance_Request__c,
                MIN(Equipment__r.Maintenance_Cycle__c)cycle
                FROM Equipment_Maintenance_Item__c
                WHERE Maintenance_Request__c IN :ValidIds GROUP BY
Maintenance_Request__c];

            for (AggregateResult ar : results){
                maintenanceCycles.put((Id) ar.get('Maintenance_Request__c'), (Decimal)ar.get('cycle'));
            }

            List<Case> newCases = new List<Case>();
            for(Case cc : closedCases.values()){
                Case nc = new Case (
                    ParentId = cc.Id,
                    Status = 'New',
                    Subject = 'Routine Maintenance',
                    Type = 'Routine Maintenance',

```

```

        Vehicle__c = cc.Vehicle__c,
        Equipment__c = cc.Equipment__c,
        Origin = 'Web',
        Date_Reported__c = Date.Today()
    );
    If (maintenanceCycles.containsKey(cc.Id)){
        nc.Date_Due__c = Date.today().addDays((Integer) maintenanceCycles.get(cc.Id));
    } else {
        // nc.Date_Due__c = Date.today().addDays((Integer)
cc.Equipment__r.maintenance_Cycle__c);
    }

    newCases.add(nc);
}

insert newCases;

List<Equipment_Maintenance_Item__c> clonedList = new
List<Equipment_Maintenance_Item__c>();
for (Case nc : newCases){
    for (Equipment_Maintenance_Item__c clonedListItem :
closedCases.get(nc.ParentId).Equipment_Maintenance_Items__r){
        Equipment_Maintenance_Item__c item = clonedListItem.clone();
        item.Maintenance_Request__c = nc.Id;
        clonedList.add(item);
    }
}
insert clonedList;
}
}
}

```

### **Step 3: Synchronize Salesforce Data with an External System**

#### **1. WarehouseCalloutService.apxc**

```

public with sharing class WarehouseCalloutService implements Queueable {
    private static final String WAREHOUSE_URL=
'https://thsUPERBADGEApex.herokuapp.com/equipment';
    @future(callout=true)
    public static void runWarehouseEquipmentSync(){
        System.debug('go into runWarehouseEquipmentSync');
        Http http = new Http();
        HttpRequest request = new HttpRequest();
    }
}

```

```

request.setEndpoint(WAREHOUSE_URL);
request.setMethod('GET');
HttpResponse response = http.send(request);

List<Product2> product2List = new List<Product2>();
System.debug(response.getStatusCode());
if (response.getStatusCode() == 200){
    List<Object> jsonResponse =
(List<Object>)JSON.deserializeUntyped(response.getBody());
    System.debug(response.getBody());
    for (Object jR : jsonResponse){
        Map<String,Object> mapJson = (Map<String,Object>)jR;
        Product2 product2 = new Product2();
        product2.Replacement_Part__c = (Boolean) mapJson.get('replacement');
        product2.Cost__c = (Integer) mapJson.get('cost');
        product2.Current_Inventory__c = (Double) mapJson.get('quantity');
        product2.Lifespan_Months__c = (Integer) mapJson.get('lifespan');
        product2.Maintenance_Cycle__c = (Integer) mapJson.get('maintenanceperiod');
        product2.Warehouse_SKU__c = (String) mapJson.get('sku');
        product2.Name = (String) mapJson.get('name');
        product2.ProductCode = (String) mapJson.get('_id');
        product2List.add(product2);
    }

    if (product2List.size() > 0){
        upsert product2List;
        System.debug('Your equipment was synced with the warehouse one');
    }
}
}

public static void execute (QueueableContext context){
    System.debug('start runWarehouseEquipmentSync');
    runWarehouseEquipmentSync();
    System.debug('end runWarehouseEquipmentSync');
}
}

```

#### **Step 4-Schedule Synchronization:**

##### **1.WarehouseSyncSchedule.apxc**

```

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

```

## Step 5-Test Automation Logic:

### 1.MaintenanceRequestHelper.apxc

```

public with sharing class MaintenanceRequestHelper {
    public static void updateWorkOrders(List<Case> updWorkOrders, Map<Id,Case>
nonUpdCaseMap) {
        Set<Id> validIds = new Set<Id>();
        For (Case c : updWorkOrders){
            if (nonUpdCaseMap.get(c.Id).Status != 'Closed' && c.Status == 'Closed'){
                if (c.Type == 'Repair' || c.Type == 'Routine Maintenance'){
                    validIds.add(c.Id);
                }
            }
        }

        if (!validIds.isEmpty()){
            Map<Id,Case> closedCases = new Map<Id,Case>([SELECT Id, Vehicle__c, Equipment__c,
Equipment__r.Maintenance_Cycle__c, (SELECT Id,Equipment__c,Quantity__c FROM
Equipment_Maintenance_Items__r) FROM Case WHERE Id IN :validIds]);
            Map<Id,Decimal> maintenanceCycles = new Map<ID,Decimal>();
            AggregateResult[] results = [SELECT Maintenance_Request__c,
                MIN(Equipment__r.Maintenance_Cycle__c)cycle
                FROM Equipment_Maintenance_Item__c
                WHERE Maintenance_Request__c IN :ValidIds GROUP BY
Maintenance_Request__c];

            for (AggregateResult ar : results){
                maintenanceCycles.put((Id) ar.get('Maintenance_Request__c'), (Decimal)
ar.get('cycle'));
            }
        }
    }
}

```

```

List<Case> newCases = new List<Case>();
for(Case cc : closedCases.values()){
    Case nc = new Case (
        ParentId = cc.Id,
        Status = 'New',
        Subject = 'Routine Maintenance',
        Type = 'Routine Maintenance',
        Vehicle__c = cc.Vehicle__c,
        Equipment__c = cc.Equipment__c,
        Origin = 'Web',
        Date_Reported__c = Date.Today()
    );

        If (maintenanceCycles.containsKey(cc.Id)){
            nc.Date_Due__c = Date.today().addDays((Integer) maintenanceCycles.get(cc.Id));
        } else {
            // nc.Date_Due__c = Date.today().addDays((Integer)
cc.Equipment__r.maintenance_Cycle__c);
        }

        newCases.add(nc);
    }

    insert newCases;

    List<Equipment_Maintenance_Item__c> clonedList = new
List<Equipment_Maintenance_Item__c>();
    for (Case nc : newCases){
        for (Equipment_Maintenance_Item__c clonedListItem :
closedCases.get(nc.ParentId).Equipment_Maintenance_Items__r){
            Equipment_Maintenance_Item__c item = clonedListItem.clone();
            item.Maintenance_Request__c = nc.Id;
            clonedList.add(item);
        }
    }
    insert clonedList;
}
}
}

```



## Step 6-Test Callout Logic1.

### 1.WarehouseCalloutService.apxc

```
public with sharing class WarehouseCalloutService implements Queueable {
    private static final String WAREHOUSE_URL = 'https://th-superbadge-
apex.herokuapp.com/equipment';
    @future(callout=true)
    public static void runWarehouseEquipmentSync(){
        System.debug('go into runWarehouseEquipmentSync');
        Http http = new Http();
        HttpRequest request = new HttpRequest();
        request.setEndpoint(WAREHOUSE_URL);
        request.setMethod('GET');
        HttpResponse response = http.send(request);
        List<Product2> product2List = new List<Product2>();
        System.debug(response.getStatusCode());
        if (response.getStatusCode() == 200){
            List<Object> jsonResponse =
(List<Object>)JSON.deserializeUntyped(response.getBody());
            System.debug(response.getBody());
            for (Object jR : jsonResponse){
                Map<String,Object> mapJson = (Map<String,Object>)jR;
                Product2 product2 = new Product2();
                product2.Replacement_Part__c = (Boolean) mapJson.get('replacement');
                product2.Cost__c = (Integer) mapJson.get('cost');
                product2.Current_Inventory__c = (Double) mapJson.get('quantity');
                product2.Lifespan_Months__c = (Integer) mapJson.get('lifespan');
                product2.Maintenance_Cycle__c = (Integer) mapJson.get('maintenanceperiod');
                product2.Warehouse_SKU__c = (String) mapJson.get('sku');
                product2.Name = (String) mapJson.get('name');
                product2.ProductCode = (String) mapJson.get('_id');
                product2List.add(product2);
            }

            if (product2List.size() > 0){
                upsert product2List;
                System.debug("Your equipment was synced with the warehouse one");
            }
        }
    }
}
```

```

    public static void execute (QueueableContext context){
        System.debug('start runWarehouseEquipmentSync');
        runWarehouseEquipmentSync();
        System.debug('end runWarehouseEquipmentSync');
    }
}

```

## 2. WarehouseCalloutServiceTest.apxc

```

@IsTest
private class WarehouseCalloutServiceTest {
    @isTest
    static void testWarehouseCallout() {
        test.startTest();
        test.setMock(HttpCalloutMock.class, new WarehouseCalloutServiceMock());
        WarehouseCalloutService.execute(null);
        test.stopTest();

        List<Product2> product2List = new List<Product2>();
        product2List = [SELECT ProductCode FROM Product2];

        System.assertEquals(3, product2List.size());
        System.assertEquals('55d66226726b611100aaf741', product2List.get(0).ProductCode);
        System.assertEquals('55d66226726b611100aaf742', product2List.get(1).ProductCode);
        System.assertEquals('55d66226726b611100aaf743', product2List.get(2).ProductCode);
    }
}

```

## 3. WarehouseCalloutServiceMock.apxc

```

@isTest
global class WarehouseCalloutServiceMock implements HttpCalloutMock {
    global static HttpResponse respond(HttpRequest request) {

        HttpResponse response = new HttpResponse();
        response.setHeader('Content-Type', 'application/json');

        response.setBody('{"_id":"55d66226726b611100aaf741","replacement":false,"quantity":5,"name":
"Generator 1000
kW","maintenanceperiod":365,"lifespan":120,"cost":5000,"sku":"100003"},{"_id":"55d66226726b611
100aaf742","replacement":true,"quantity":183,"name":"Cooling

```

```

Fan","maintenanceperiod":0,"lifespan":0,"cost":300,"sku":"100004"},{"_id":"55d66226726b611100a
af743","replacement":true,"quantity":143,"name":"Fuse
20A","maintenanceperiod":0,"lifespan":0,"cost":22,"sku":"100005"}]);
    response.setStatusCode(200);

    return response;
}
}

```

## Step 7-Test Scheduling Logic:

### 1.WarehouseSyncSchedule.apxc

```

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

```

### 2. WarehouseSyncScheduleTest.apxc

```

@isTest
public with sharing class WarehouseSyncScheduleTest {
    @isTest static void test() {
        String scheduleTime = '00 00 00 * * ? *';
        Test.startTest();
        Test.setMock(HttpCalloutMock.class, new WarehouseCalloutServiceMock());
        String jobId = System.schedule('Warehouse Time to Schedule to test', scheduleTime, new
WarehouseSyncSchedule());
        CronTrigger c = [SELECT State FROM CronTrigger WHERE Id =: jobId];
        System.assertEquals('WAITING', String.valueOf(c.State), 'JobId does not match');
        Test.stopTest();
    }
}

```



























