**WarehouseCalloutService**

public with sharing class WarehouseCalloutService {

private static final String WAREHOUSE\_URL = '[https://th-superbadge-apex.herokuapp.com/equipment';](https://www.youtube.com/redirect?event=comments&redir_token=QUFFLUhqbjA4N3RhREEtNC11YWVLWUd3YmctS2ZQekRLd3xBQ3Jtc0trbUdkSUdSMkc5TW44TDh5N2o4a1JEUGdHbjRsbWlyWmY1OEdsOV9DVXU2Uk9CNDhEV0Q5UHExVllDbWQya2YxWXBvUjgwbHJ5bEFOTk9nSHJaUVduSUo5cTRLYzhEbnU0ckZDeWtIUXZhMFlHTE9JYw&q=https%3A%2F%2Fth-superbadge-apex.herokuapp.com%2Fequipment%27%3B&stzid=UgxQDc13tkm_fkC78MV4AaABAg)

//@future(callout=true)

public static void runWarehouseEquipmentSync(){

Http http = new Http();

HttpRequest request = new HttpRequest();

request.setEndpoint(WAREHOUSE\_URL);

request.setMethod('GET');

HttpResponse response = http.send(request);

List<Product2> warehouseEq = new List<Product2>();

if (response.getStatusCode() == 200){

List<Object> jsonResponse = (List<Object>)JSON.deserializeUntyped(response.getBody());

System.debug(response.getBody());

for (Object eq : jsonResponse){

Map<String,Object> mapJson = (Map<String,Object>)eq;

Product2 myEq = new Product2();

myEq.Replacement\_Part\_\_c = (Boolean) mapJson.get('replacement');

[myEq.Name](https://www.youtube.com/redirect?event=comments&redir_token=QUFFLUhqblZvQndXeTltTjBRT0xTUUtJVW54TkhkMmJfQXxBQ3Jtc0ttV3EtaGtIeS04ZlNfQjlKYWhwdmdrcWl5emFDM2cyYm5nMnhRcGV6N0tlYnJ0LWNBQVpEZ0wtZG9jTnNFaEVxMjM5SUNhd2tKMG1zMlRsZjZ3NVBuWkNoeDY1cS1jZUctS0NHclZYeGUwNVo2NUt1RQ&q=http%3A%2F%2Fmyeq.name%2F&stzid=UgxQDc13tkm_fkC78MV4AaABAg) = (String) mapJson.get('name');

myEq.Maintenance\_Cycle\_\_c = (Integer) mapJson.get('maintenanceperiod');

myEq.Lifespan\_Months\_\_c = (Integer) mapJson.get('lifespan');

myEq.Cost\_\_c = (Decimal) mapJson.get('lifespan');

myEq.Warehouse\_SKU\_\_c = (String) mapJson.get('sku');

myEq.Current\_Inventory\_\_c = (Double) mapJson.get('quantity');

warehouseEq.add(myEq);

}

if (warehouseEq.size() > 0){

upsert warehouseEq;

System.debug('Your equipment was synced with the warehouse one');

System.debug(warehouseEq);

}

}

}

}

**WarehouseCalloutServiceTest**

@isTest

private class WarehouseCalloutServiceTest {

@isTest

static void testWareHouseCallout(){

Test.startTest();

// implement mock callout test here

Test.setMock(HTTPCalloutMock.class, new WarehouseCalloutServiceMock());

WarehouseCalloutService.runWarehouseEquipmentSync();

Test.stopTest();

System.assertEquals(1, [SELECT count() FROM Product2]);

}

}

**WarehouseCalloutServiceMock**

@isTest

global class WarehouseCalloutServiceMock implements HttpCalloutMock {

// implement http mock callout

global static HttpResponse respond(HttpRequest request){

System.assertEquals('[https://th-superbadge-apex.herokuapp.com/equipment'](https://www.youtube.com/redirect?event=comments&redir_token=QUFFLUhqbldaTkFXMGEzZGVCXzlMMjE1VXdlYjRTY051Z3xBQ3Jtc0tsWmEwVm1NY3V3bGNjZ2N0WGJFSUVPQ01iZ2t2RlNObVJqTFd3Y05aQW9qVkh5QXVMam1IOU8yWnd4OTdvZVdQRkpHNzE3SV9ibzRyeUFwRmxkT1JWZmF4SVB2RFVIMzJJZHJlc0hfLTRoY05tTGd2NA&q=https%3A%2F%2Fth-superbadge-apex.herokuapp.com%2Fequipment%27&stzid=UgxQDc13tkm_fkC78MV4AaABAg), request.getEndpoint());

System.assertEquals('GET', request.getMethod());

// Create a fake response

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"}]');

response.setStatusCode(200);

return response;

}

}