Test callout logic

WarehouseCalloutService

```
public with sharing class WarehouseCalloutService {

    private static final String WAREHOUSE_URL = 'https://th-superbadge-apex.herokuapp.com/equipment';

  //@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){
```

```apex
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 = (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',
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":"Gen
erator 1000 kW","maintenanceperiod":365,"lifespan":120,"cost":5000,"sku":"100003"}]');

        response.setStatusCode(200);

        return response;

    }

}
```