WAREHOUSECALLOUTSERVICE:

public with sharing class WarehouseCalloutService implements Queueable {

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

//class that makes a REST callout to an external warehouse system to get a list of equipment that needs to be updated.

//The callout’s JSON response returns the equipment records that you upsert in Salesforce.

@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());

//class maps the following fields: replacement part (always true), cost, current inventory, lifespan, maintenance cycle, and warehouse SKU

//warehouse SKU will be external ID for identifying which equipment records to update within Salesforce

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 = (Integer) mapJson.get('cost');

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

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

myEq.ProductCode = (String) mapJson.get('\_id');

warehouseEq.add(myEq);

}

if (warehouseEq.size() > 0){

upsert warehouseEq;

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

}

}

}

public static void execute (QueueableContext context){

runWarehouseEquipmentSync();

}

}