Revised: 27-03-2022

Welcome to the Local Inventory Database System (LIDS) version 1.0. This system tracks the food inventory from grocery purchases and helps reduce food waste and excess expense. It also creates and sends a shopping list to a list of users. Below are the instructions on the two modes for the LIDS scanner entry: addition and subtraction for reference when using the scanner entry.

Instructions:

1. Task 1 – Add groceries:
   a. **Add Items**: scan the top barcode (ends in '…001'). This activates the green LED which remains on for the duration of the additions.
   b. **Add Perishable Items**: scan the bottom barcode (ends in '…003'). This activates the yellow LED which remains on until the bottom barcode is scanned again, will exit the Add Perishable Items mode.
   c. **Exit Add Mode**: when you are finished adding groceries, scan the top barcode again. The green LED will blink twice indicating the additions have been emailed for processing successfully.

2. Task2 – Subtract items:
   a. **Subtract Items**: scan the middle barcode (ends in '…002'). This activates the red LED which remains on for the duration of the subtractions.
   b. **Subtract Expired Items**: scan the bottom barcode. This activates the yellow LED which remains on until the bottom barcode is scanned again, will exit the Subtract Expired Items mode.
   c. **Exit Subtract Mode**: when you are finished subtracting groceries, scan the bottom barcode again. The red LED will blink twice indicating the subtractions have been sent to update the database successfully.

****Note:** *in either mode, when adding or subtracting, scan a copy of an item the same number of times as you have to add or subtract, respectively.*

Add mode

100000000001

Subtract Mode

100000000002

Expiration Mode

100000000003