

■ **PROJECT**

Vegetable Band

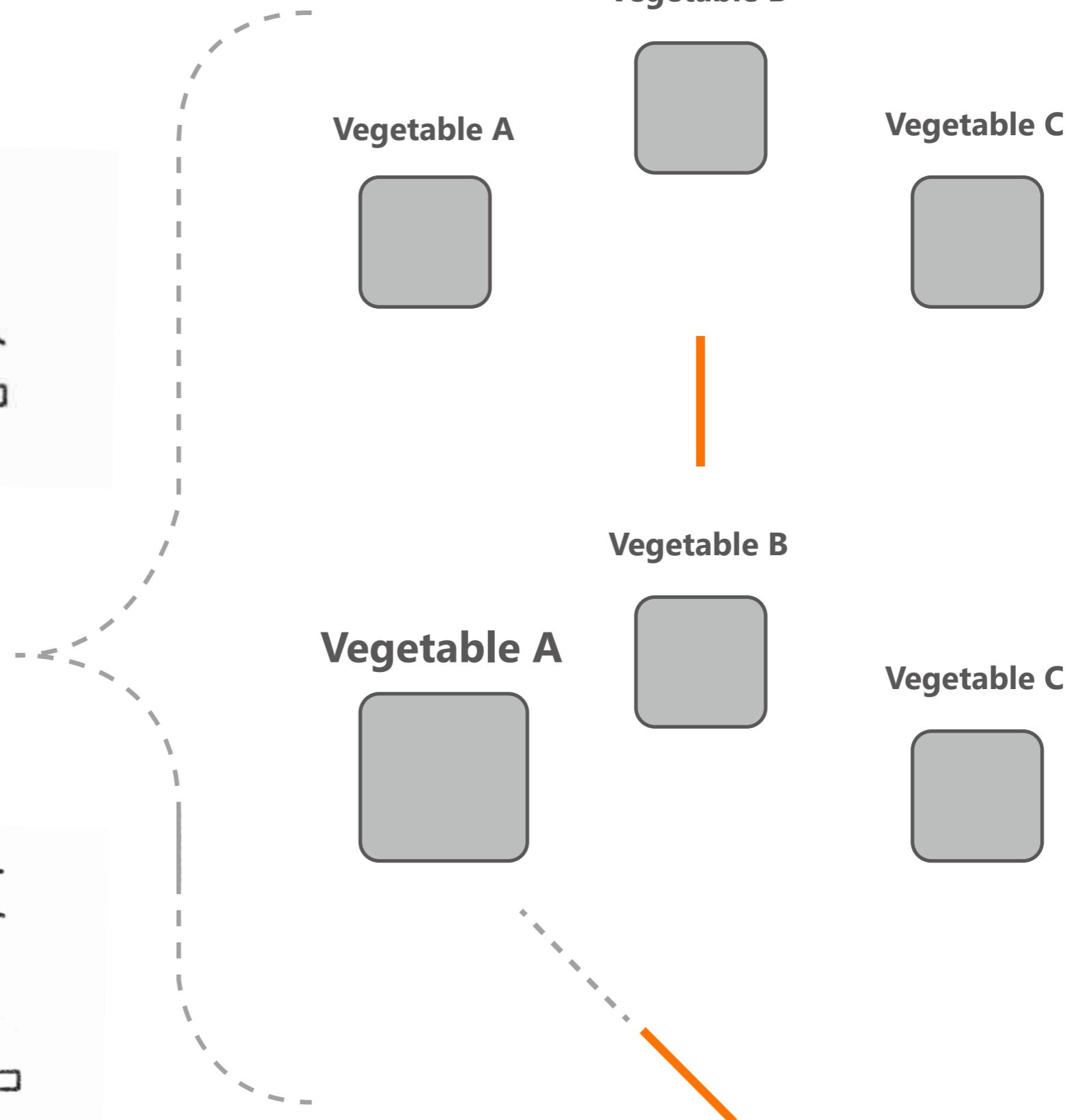
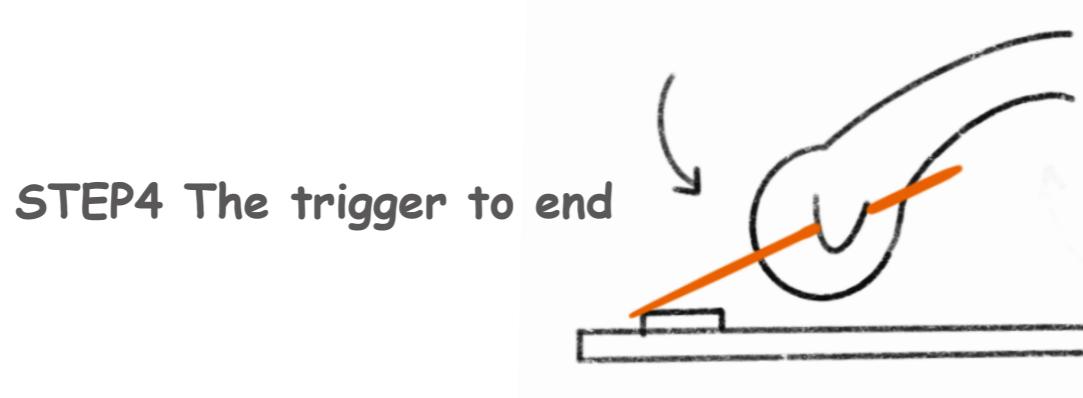
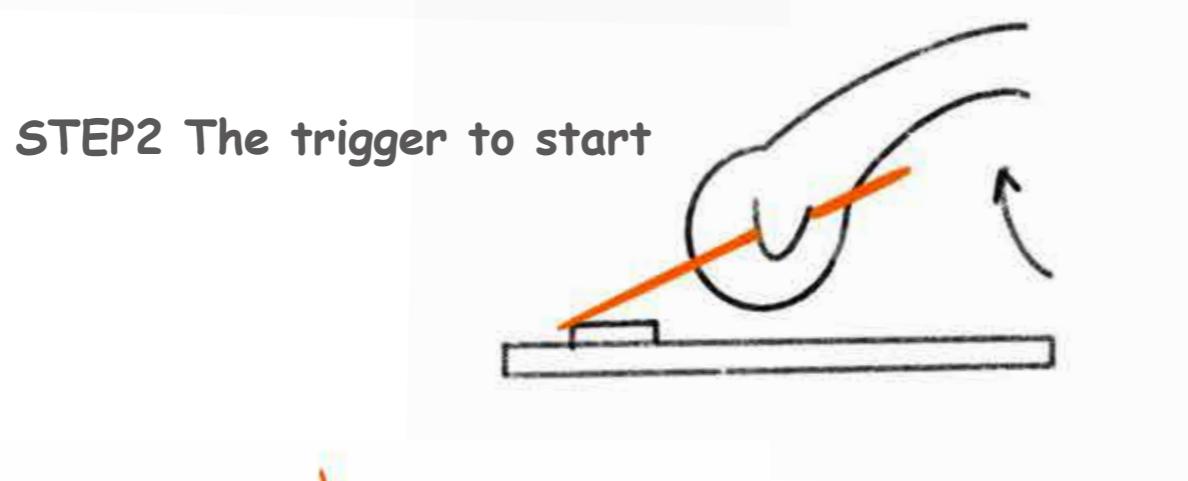
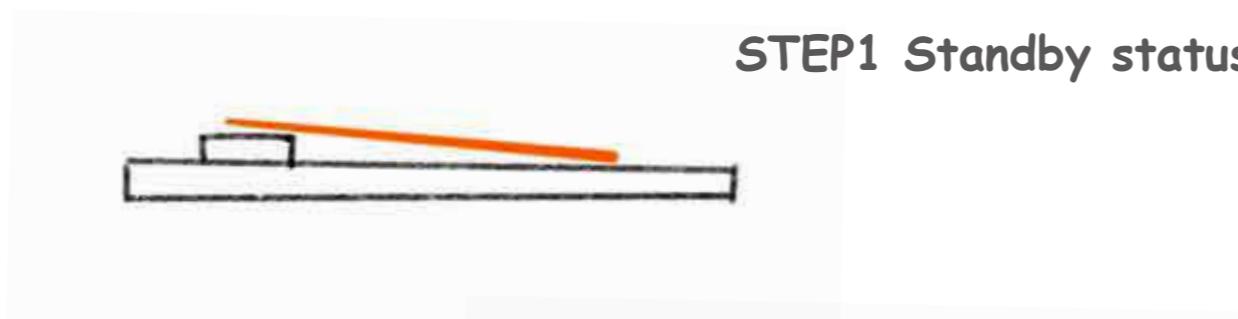
■ **NAME**

Nuo Liu , Yihan Wang

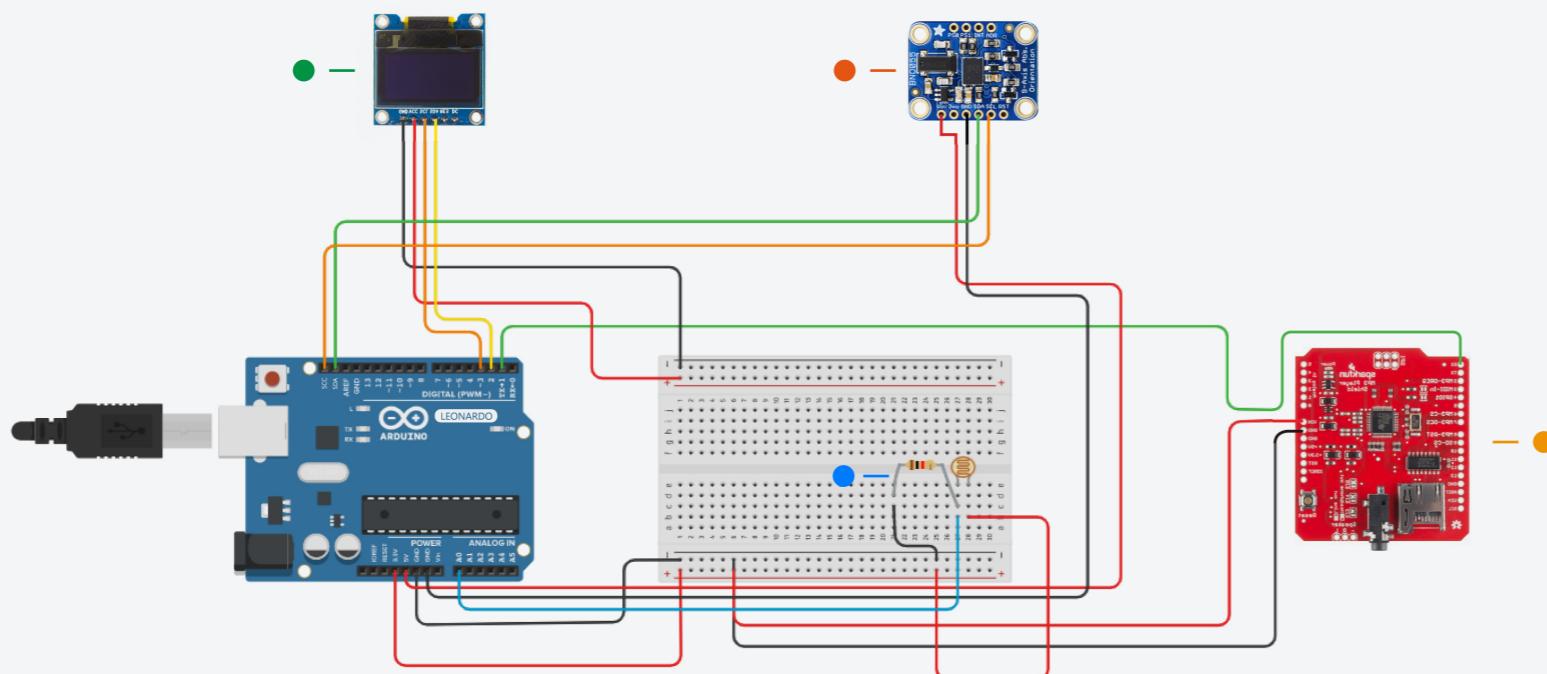
■ **DATE**

9 December 2022

## # CONCEPT

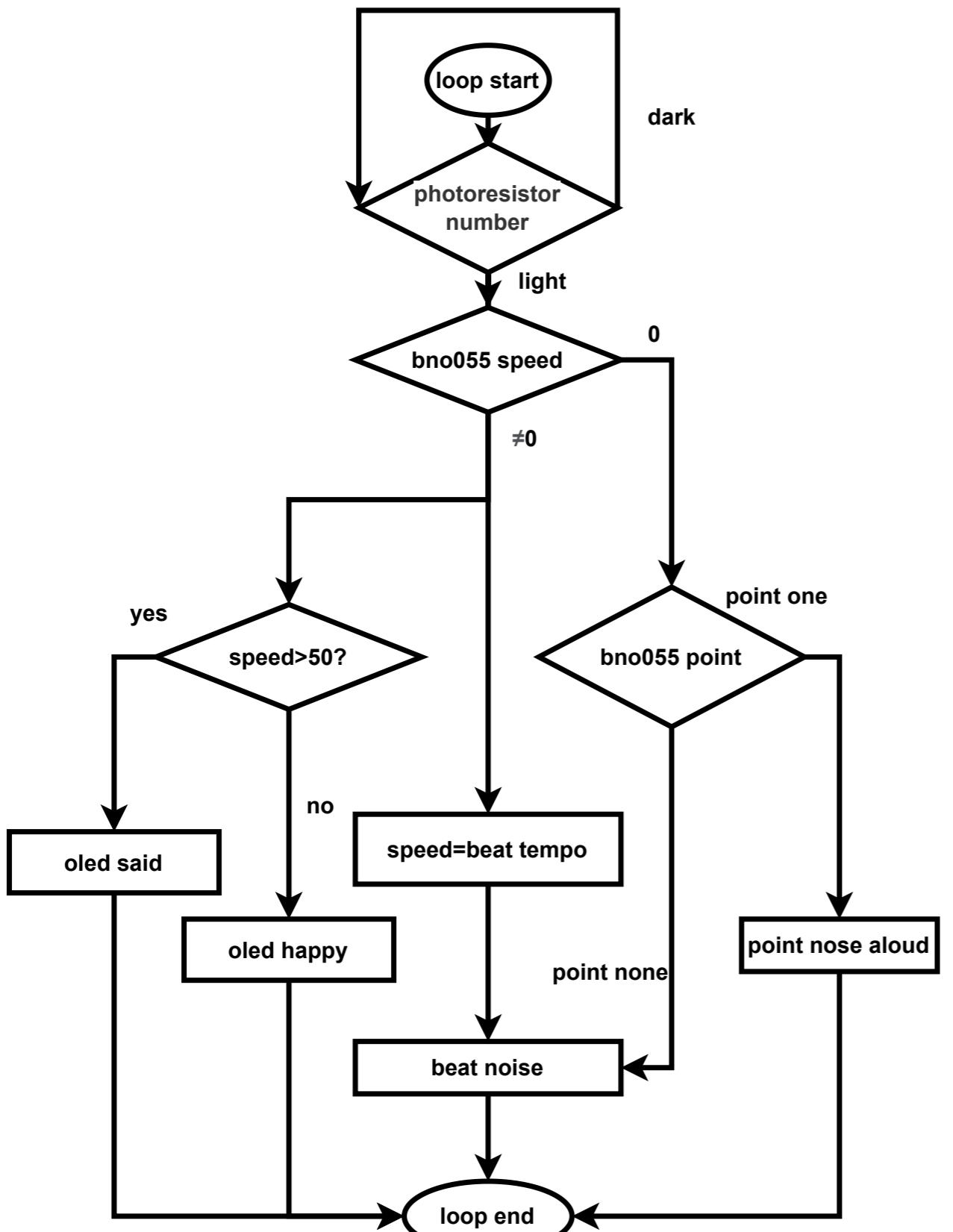


## # SENSOR CHOICE



- INPUT ONE PHOTORESISTORS
- INPUT TWO ADAFRUIT BNO055 ABSOLUTE ORIENTATION SENSOR
- OUTPUT ONE OLED 128 x 32
- OUTPUT TWO SPARKFUN MP3 TRIGGER + SPEAKER

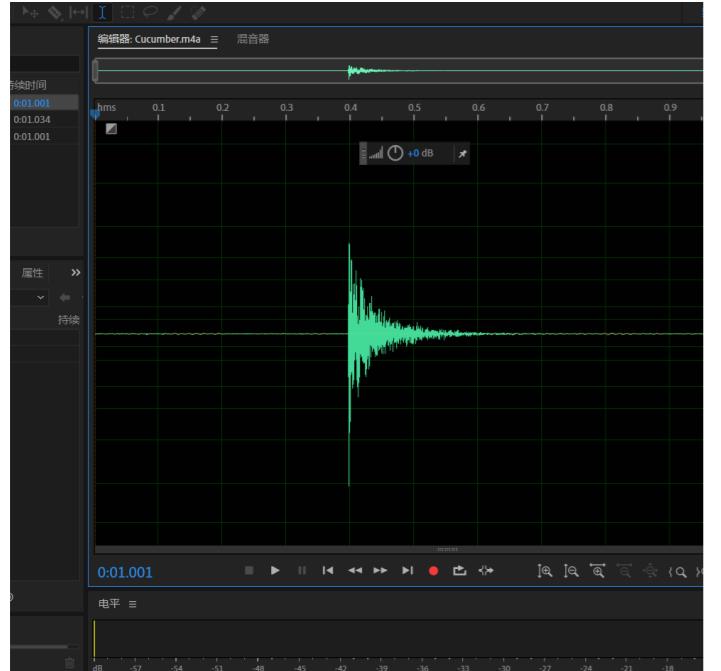
# # WORKFLOW & CODING



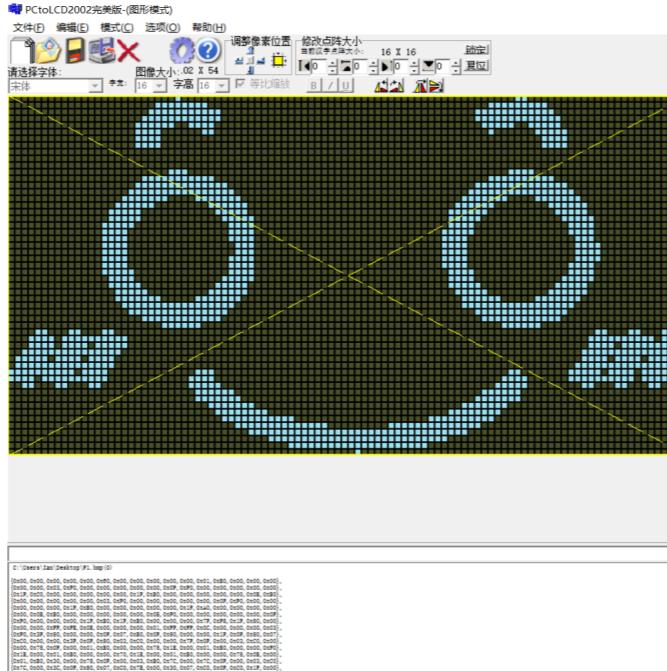
The screenshots show four different code snippets from the Arduino IDE:

- runqlai1.ino:** A main sketch file containing setup and loop functions. It includes sensor and display initialization, and a loop that reads BNO055 data, updates a display buffer, and prints to serial.
- runqlai2.ino:** A sketch file showing a detailed loop function. It processes BNO055 events, draws bitmaps for different sensor values, and prints to serial.
- runqlai3.ino:** A sketch file showing a test function for drawing bitmaps. It defines two functions, `testdrawbitmap1` and `testdrawbitmap2`, which draw small bitmaps and print their addresses to serial.
- runqlai4.ino:** A sketch file showing another test function for drawing bitmaps. It defines three functions, `testdrawbitmap1`, `testdrawbitmap2`, and `testdrawbitmap3`, each drawing a different bitmap and printing its address to serial.

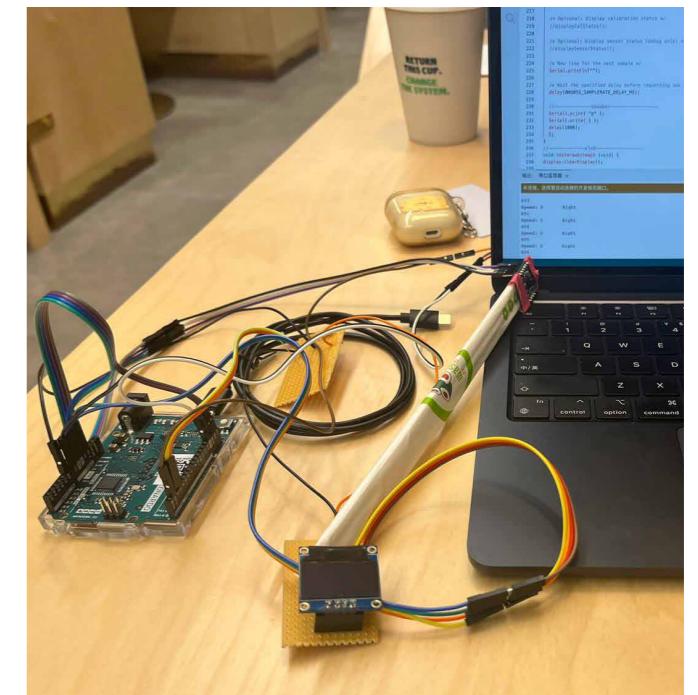
# # PROCESSING



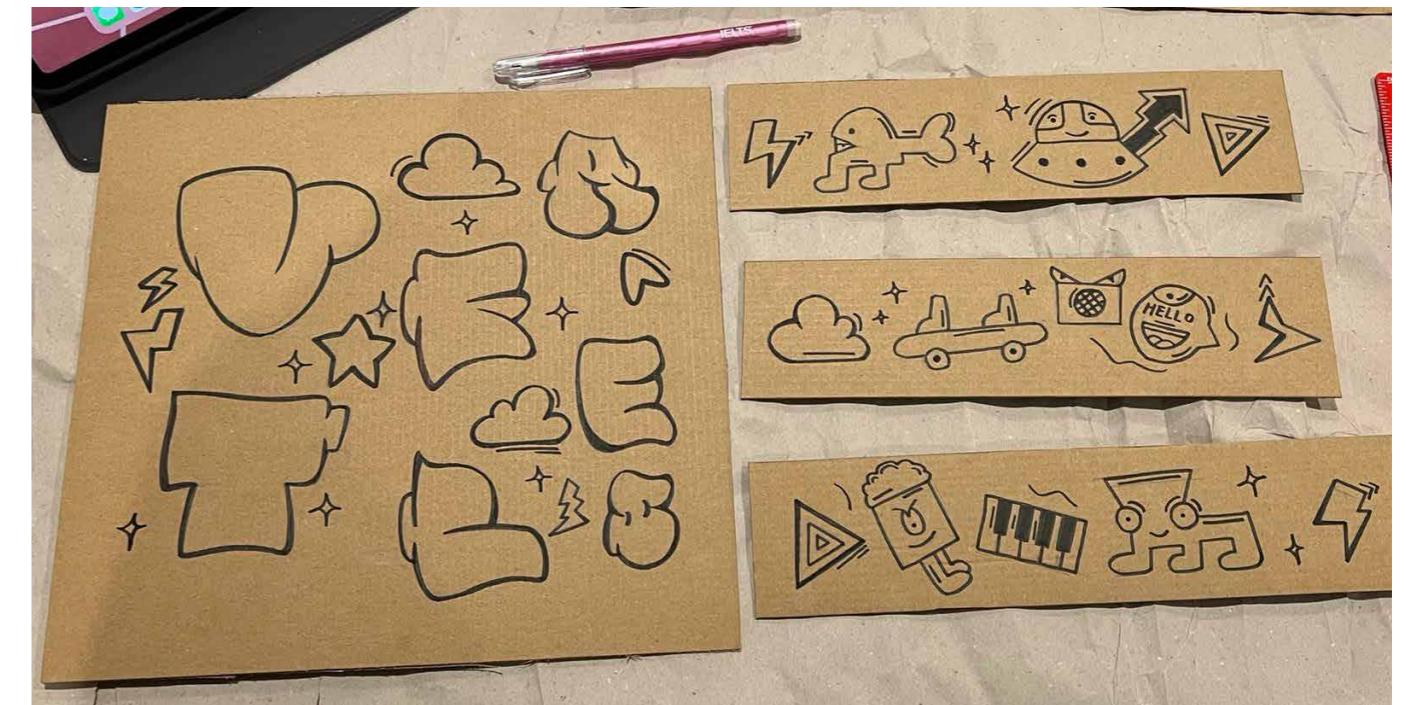
▲ Sound Editing



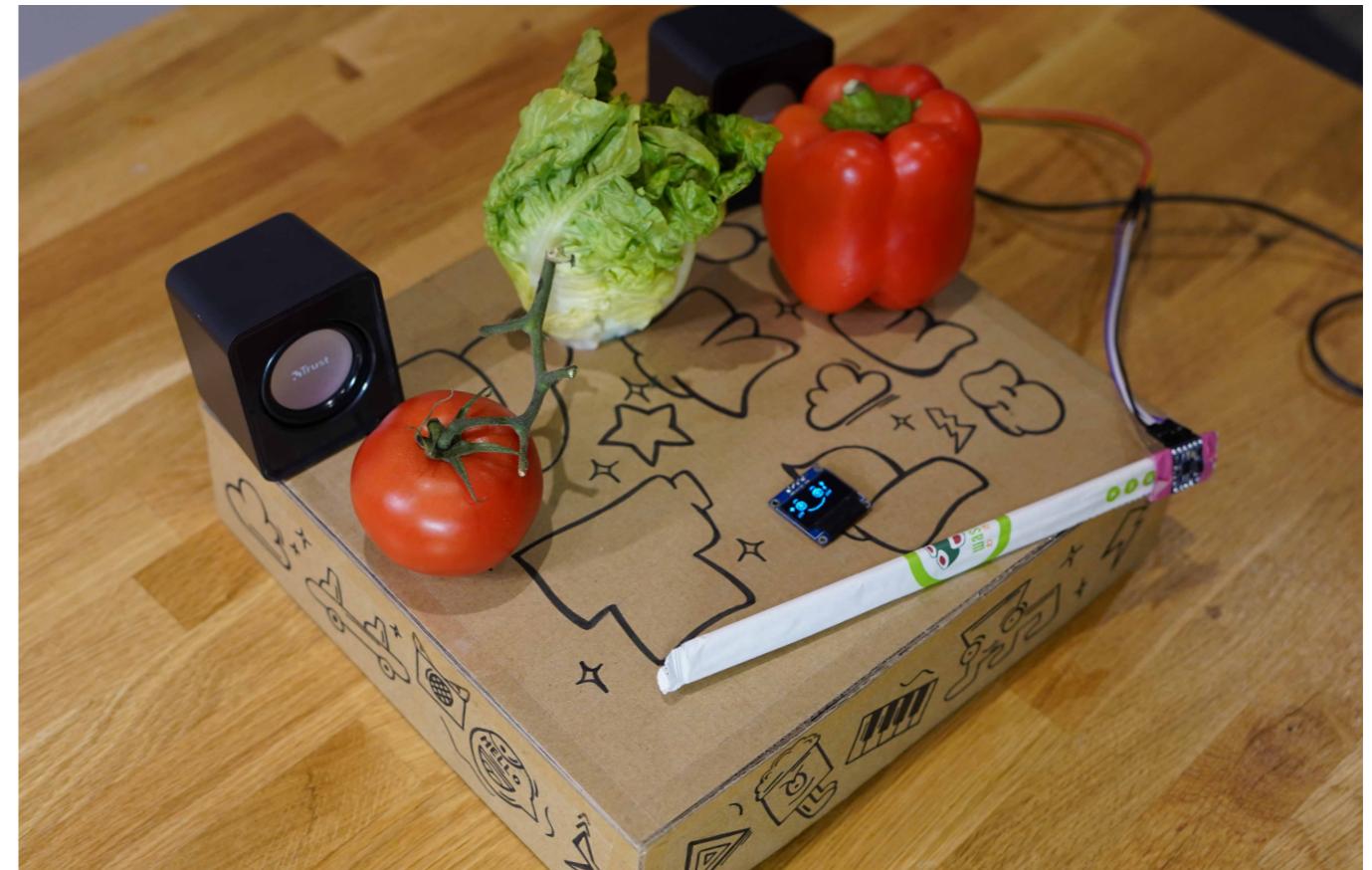
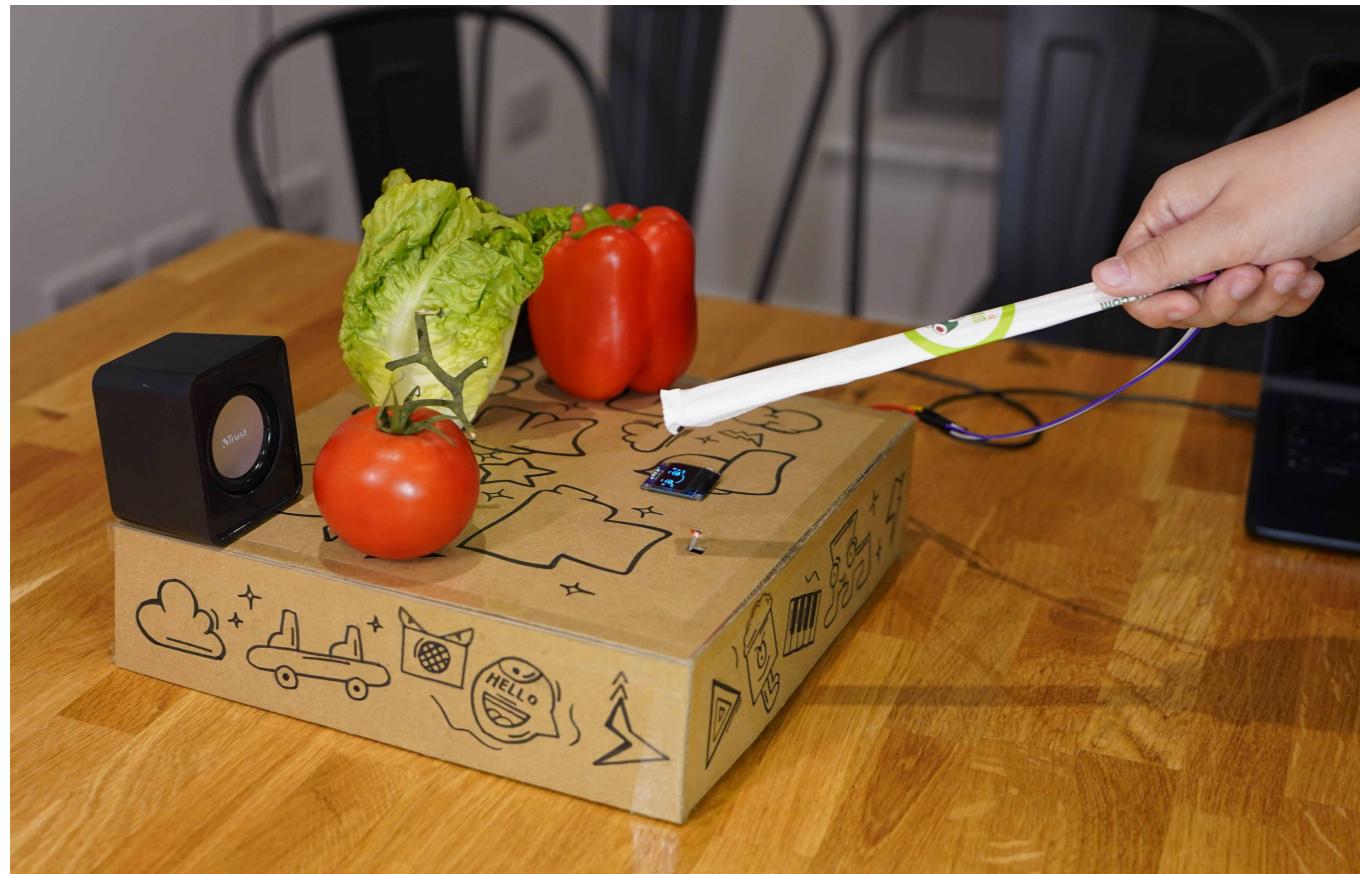
▲ Screen Mood Coding



▼ Sound collection



# # SENARIO



2022.12.09

## # LINK

Vedio link: <https://youtu.be/ZfbaH7URHjA>

Github link: <https://github.com/Ian600/Physical-comuputing-final-project>