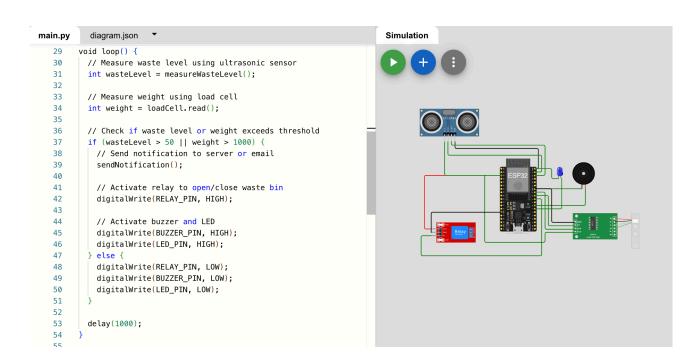
```
main.py
           diagram.json ▼
                                                                              Simulation
        #include <WiFi.h>
         #include <HTTPClient.h>
        #include <Adafruit_HX711.h>
        const char* ssid = "your_wifi_ssid";
    6
        const char* password = "your_wifi_password";
        #define ULTRASONIC_TRIG_PIN 23
    8
        #define ULTRASONIC_ECHO_PIN 22
    9
   10
        {\tt \#define~LOAD\_CELL\_SCK\_PIN~19}
   11
        #define LOAD_CELL_DT_PIN 18
   12
        #define RELAY_PIN 5
   13
        #define BUZZER_PIN 16
   14
        #define LED_PIN 4
   15
   16
        Adafruit_HX711 loadCell;
   17
   18
        void setup() {
   19
           Serial.begin(115200);
   20
           WiFi.begin(ssid, password);
   21
           loadCell.begin(LOAD_CELL_SCK_PIN, LOAD_CELL_DT_PIN);
           pinMode(ULTRASONIC_TRIG_PIN, OUTPUT);
   22
           pinMode(ULTRASONIC_ECHO_PIN, INPUT);
   23
   24
           pinMode(RELAY_PIN, OUTPUT);
           pinMode(BUZZER_PIN, OUTPUT);
   25
   26
           pinMode(LED_PIN, OUTPUT);
   27
```



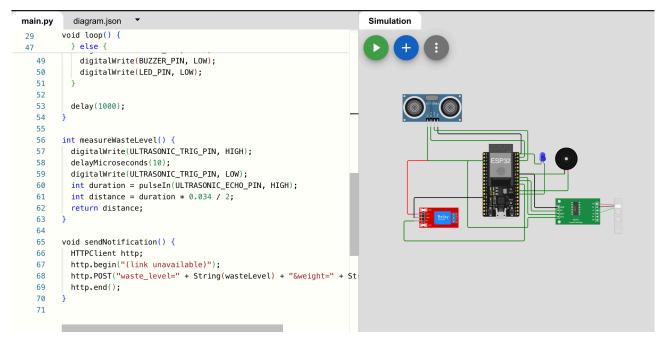
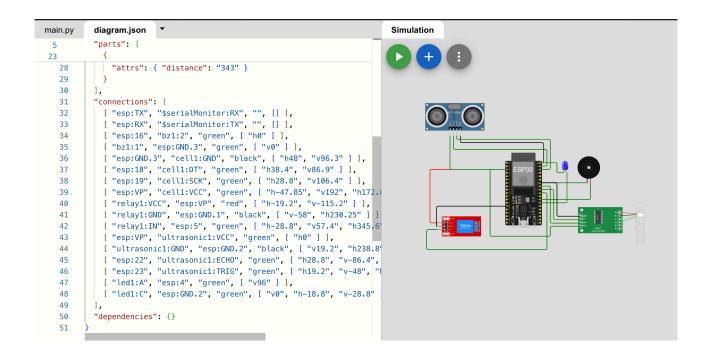


diagram.json:

```
main.py
             diagram.json ▼
                                                                                         Simulation
     2
             "version": 1,
             "author": "daniel raj",
"editor": "wokwi",
     4
             "parts": [
                 "type": "board-esp32-devkit-c-v4",
                 "id": "esp",
                 "top": -57.6,
                 "left": -119.96,
    10
    11
                 "attrs": { "env": "micropython-20231227-v1.22.0" }
    12
               { "type": "wokwi-led", "id": "led1", "top": -42, "left": 32.6
    13
    14
                 "type": "wokwi-buzzer",
    15
                 "id": "bz1",
    16
                 "top": -55.2,
    17
                 "left": 88.2,
    18
                 "attrs": { "volume": "0.1" }
    19
    20
               "type": "wokwi-hx711", "id": "cell1", "top": 98.6, "left":
{ "type": "wokwi-relay-module", "id": "relay1", "top": 125, "
    21
    22
    23
                 "type": "wokwi-hc-sr04",
    24
                 "id": "ultrasonic1",
    25
                 "top": -200.1,
    26
                 "left": -349.7.
```



Output:

