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from gpiozero import Servo
from time import sleep

# Initialize servos on specified GPIO pins
servo1 = Servo(17) #Servo 1 GPIO pin #
servo2 = Servo(27) #Servo 2 GPIO pin #

# Define a function to map sound direction to servo positions
def map_sound_to_servo(horizontal):
    # Map horizontal pos to servo range (-1 to 1)
    horizontal_position = max(-1, min(1, horizontal / 90))

    # Update servo positions
    horizontal_servo.value = horizontal_position
    print(f"Moving to position: {horizontal}")

#Using the microphone function d
def detect_sound():
    #return horizontal angle in degrees
    pass

try:
    while True:
        azimuth = detect_sound()
        map_sound_to_servo(azimuth)
        sleep(0.5)
        #We can adjust delay as necessary for responsiveness
        #Ideally, system isn't overwhelmed by sound and continuously rotating
except KeyboardInterrupt:
    print("Stopping servo control")

```