

Component Names in the Circuit:

1. Raspberry Pi Pico - The green microcontroller board in the center, used to control and interface with sensors and output devices.
2. Red LED - Used as an indicator; connected to one of the GPIO pins through a current-limiting resistor.
3. Green LED - Another indicator LED; also connected through a resistor.
4. Resistors - Used in series with LEDs to limit current.
5. DHT22 Sensor - A white component labeled "DHT22"; it measures temperature and humidity.
6. PIR Motion Sensor - The blue module with a white dome; used for detecting motion.
7. Buzzer - The black circular component at the bottom right; used for sound output.
8. Wires (Jumper wires) - Used to make electrical connections between the components and the Raspberry Pi Pico.

Description:

This circuit likely functions as a basic smart environment monitoring and alert system, detecting temperature/humidity and motion, and responding with visual (LED) and audio (buzzer) alerts.