

Bill of materials

This project is intended to be cheap and accesible, but still requires a few materials:

Item	Quantity	Cost (USD)	Retailer	Comment
Arduino Nano 33 BLE Sense with headers	1	33.40	https://www.arduino.cc/	Microcontroller
Breadboard	1	5.95	https://www.adafruit.com/	Prototyping
Jumper wires	1	3.95	https://www.adafruit.com/	Making connections
TODO: which resistors	1	placeholder	https://www.adafruit.com/	placeholder
Piezo buzzer	1	1.50	https://www.adafruit.com/	Output sound
Micro servo	1	5.95	https://www.adafruit.com/	Output movement
LED	1	6.95	https://www.adafruit.com/	Output light
Thermal printer	1	61.95	https://www.adafruit.com/	Output printed text
LCD screen	1	9.95	https://www.adafruit.com/	Output screen text
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NOTE: Make sure you purchase the Arduino Nano 33 BLE ***Sense!*** Arduino also sells a similarly named board called Arduino Nano 33 BLE. In addition, both are sold with and without headers. We recommend getting the one with headers so you can immediately start using it on a breadboard without needing to solder headers on.