Distance:

<https://www.youtube.com/watch?v=zZ1CB9luzeQ>

<https://github.com/Tollbringer/Esp32_8266-VL53L1X-demo>

Barcode:

<https://www.youtube.com/watch?v=aPUymNPWErE>

<https://cdn.shopify.com/s/files/1/0672/9409/files/gm65-barcode-2d-scanner-manual-datasheet-dfrobot.pdf?v=1637635156>

<http://www.microtechnica.tv/support/manual/brm65_man.pdf>

Light:

<https://gabbyshimoni.wixsite.com/arduino-programming/ldr>

<https://arduinogetstarted.com/tutorials/arduino-light-sensor>

--- <https://learn.adafruit.com/adafruit-neopixel-uberguide/arduino-library-use>

<https://adafruit.github.io/Adafruit_NeoPixel/html/class_adafruit___neo_pixel.html#ae7c444138dd0e6ac1008621d0a67048b>

L298N:

<https://github.com/AndreaLombardo/L298N>

<https://www.youtube.com/watch?v=I7IFsQ4tQU8>

<https://randomnerdtutorials.com/esp32-dc-motor-l298n-motor-driver-control-speed-direction/>

WebSerial:

<https://randomnerdtutorials.com/esp32-webserial-library/>

<https://docs.google.com/document/d/1zJJyP56EC9m0Ie0Xb2_-3z79X1MbVT5A3F-qB1V4rBQ/edit>

Fetal Error:

<https://randomnerdtutorials.com/solved-failed-to-connect-to-esp32-timed-out-waiting-for-packet-header/>

On\Off Button:

<https://esp32io.com/tutorials/esp32-button>

<https://create.arduino.cc/projecthub/GeneralSpud/toggle-switch-3763a2>

Leds:

<https://esp32io.com/tutorials/esp32-rgb-led>

<https://esp32io.com/tutorials/esp32-led-fade>

Sound:

<https://create.arduino.cc/projecthub/electropeak/how-to-use-ky-037-sound-detection-sensor-with-arduino-a757a7>

I2C Connection – Change Address:

<https://youtu.be/dzbGmIZv26E>

<https://microcontrollerslab.com/esp32-i2c-communication-tutorial-arduino-ide/#Using_Multiple_I2C_Devices_with_ESP32_same_addresses>

<https://randomnerdtutorials.com/esp32-i2c-communication-arduino-ide/>

<https://github.com/sparkfun/SparkFun_VL53L1X_Arduino_Library/blob/master/src/SparkFun_VL53L1X.h>

Library:

Adafruit\_NeoPixel

analogWrite

VL53L1X ???

**TODO List:**

* To add voice sensor
* To add light sensor
* To add leds
* To add button
* Function havhav here
* Led light according to the color of the card
* To add LCD
* To do the maze
* To correct barcodes
* To fix the minion
* barcodes for: velocity (3) + change color (-) + voice (-) + ...