ANIMAL DETECTOR

Contents

BEFORE YOU CODE 2

SERVER 2

CLIENT 2

NodeMCU vs WEMOS 3

SERVER 3

CLIENT 3

BEFORE YOU CODE

SERVER

Things you have to do to launch the server:

- Connect one MCU to a PC with USB cable.
- Open the "wifi_server_01.ino".
- Replace the asterisks "****" with the SSID and the password of your home WiFi router.
- Open the settings of your home WiFi router and choose a free IP address which is out of the DHCP range.
- Set the IP of your server (row15).
- Gateway will be the IP of your WiFi router.
- Upload the program.
- Run the serial monitor of the Arduino IDE.

CLIENT

Things you have to do to launch the client(s):

- Run an additional Arduino IDE.
- Open the "wifi_client_01.ino".
- Replace the asterisks "****" with the SSID and the password of your home WiFi router.
- Put the IP address of your server into the 15th row.
- Upload the program.
- Run the serial monitor for the new Arduino IDE also.

NodeMCU vs WEMOS

SERVER

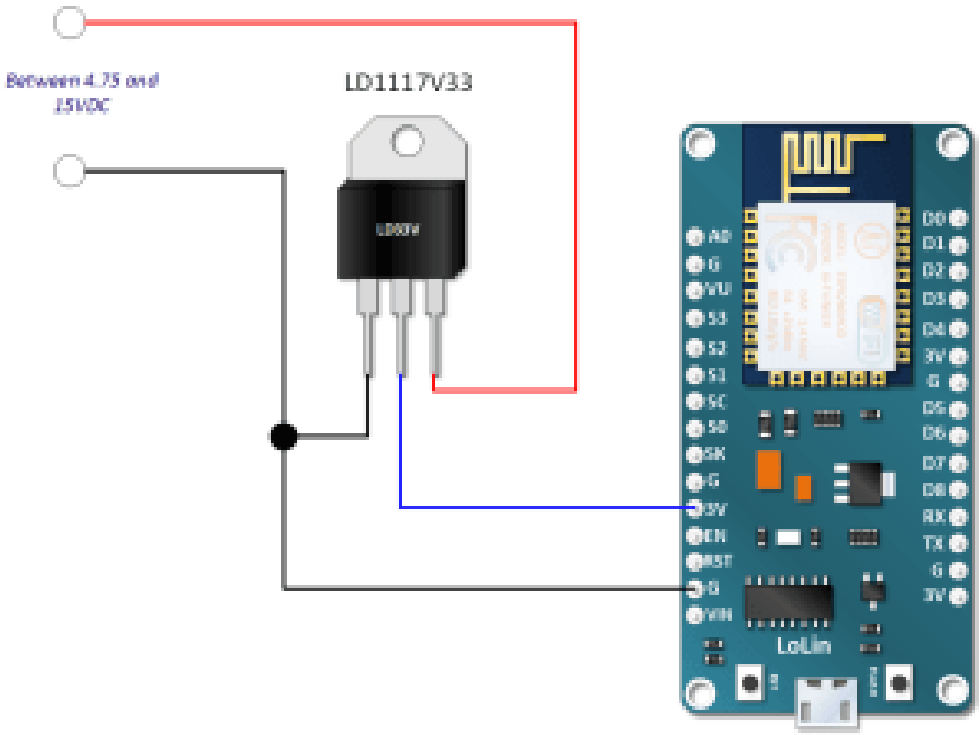
In SERVER's circuit replacing WEMOS with NodeMCU does not make any difference. But somehow, if anything goes wrong approach me.

CLIENT

I want you to use **WEMOS** instead of **NodeMCU** in **CLIENT's** circuit as NodeMCU's operating voltage is 3.3V while we will ne needing 5V.

If we use NodeMCU you will have to add a Voltage Regulator in your Circuit to ampilify the voltage upto 5V.

Circuit of NodeMCU with a voltage regulator is as follow:



NOTE: If you are using NodeMCU, first try to drive the RELAY with 3.3V. In case if this will not work then use this voltage sensor. (Contact me before making any changes in circuit)