

VIOT Home

VIOT home is a system that is made so it can be expanded on with software updates and modules,

Once the Main system is installed, there is no hardware needed, every expansion is done through modules or software.

It also has a Access-Point feature and Broker connection.

It's also made so it can send data to a Database than then can be displayed or used for later updates or optimize the users experience.

It's also based on cheap and easy to make designs so there is no problem of making multiples or new expansions.

This system still needs some work as I want to expand it to more modules and being able to connect with modules instead of needing to be programmed in.

Every button (including the switch on the encoder) also has the ability to do 4 different functions for if needed.

As someone that likes home systems, electronics and IOT is this for sure accomplishment for me.

I will still be working on expending this idea and working on new modules for example: Safety, Economics, comfort and much more.

Also the app is gone a have a lot more features like: control over every module connected to the system and much more with the expansion of modules .

Al the modules are also made to be as compact as possible and as versatile as possible so they can be used in every environment.

A video of the workings and current state of VIOT Home can be found here:

<https://www.youtube.com/watch?v=Xd8rH8Zs9hA>

Otherwise the Code from every module can be found here:

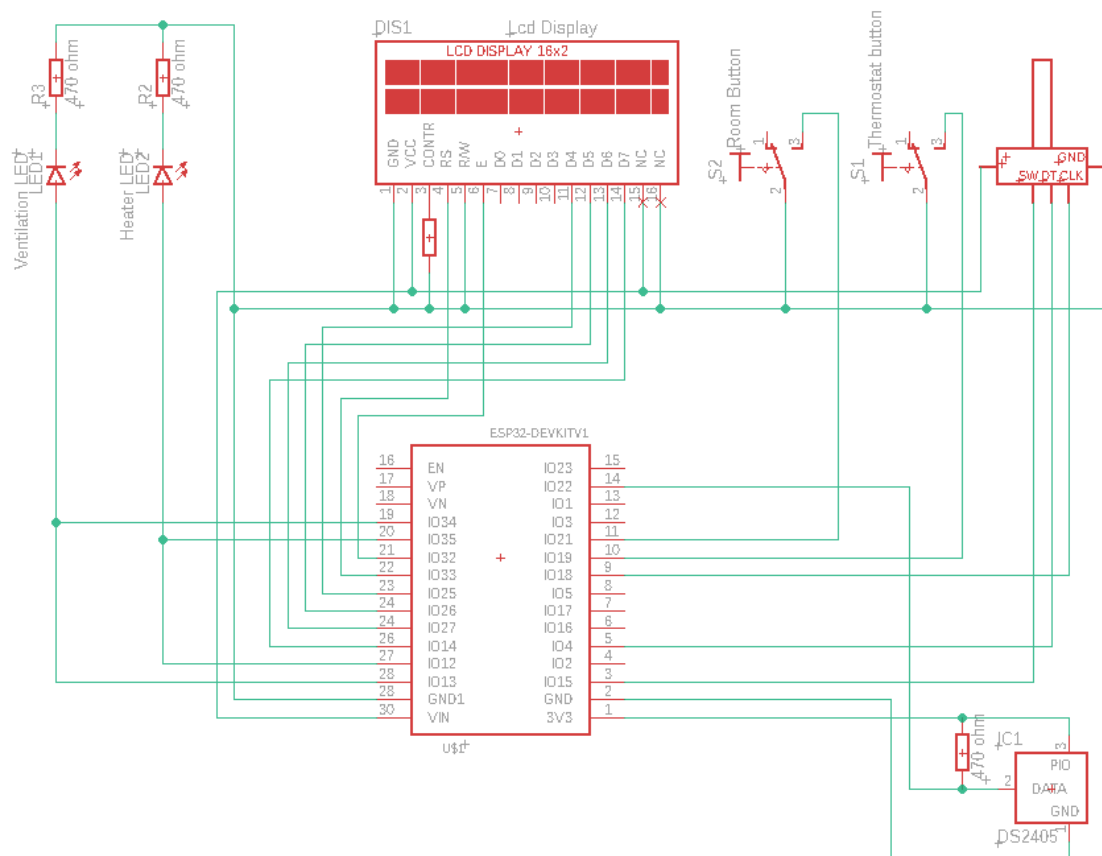
<https://github.com/synvalux/VIOT-Home>

Some Behind the scene's footage of what problems I ran into and I bit more explanation about the project is right here:

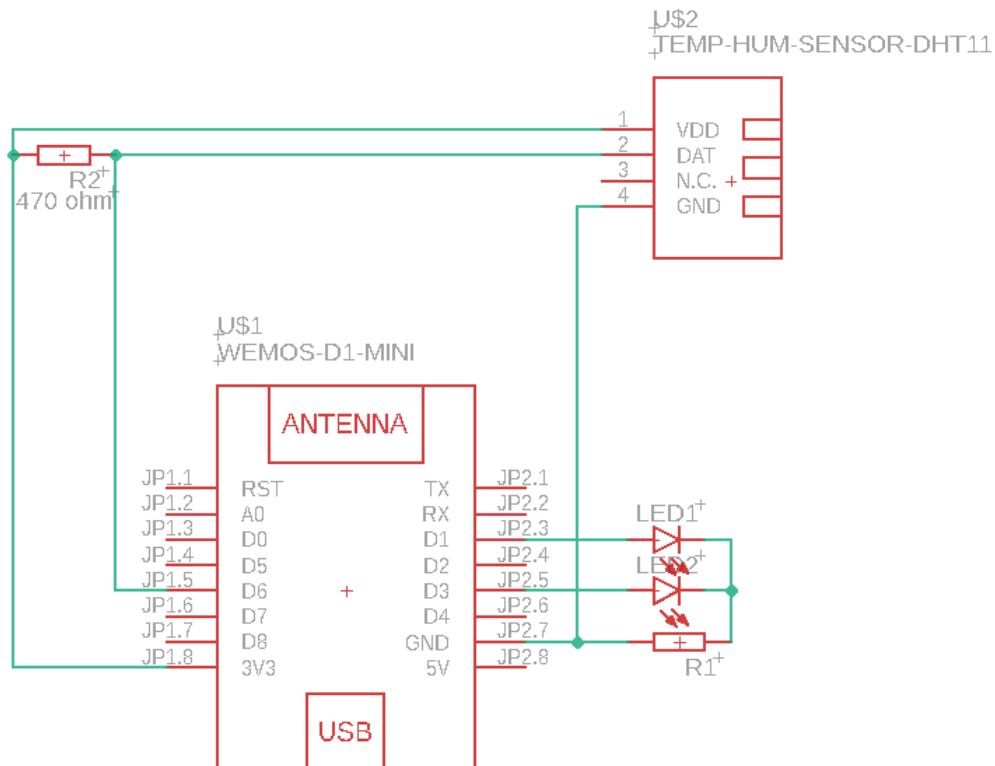
<https://youtu.be/mf1CLEkxmZU>

Schematics:

VIOT Home Main System:



VIOT Home Temperature Module:



VOIT Home Key Module:

