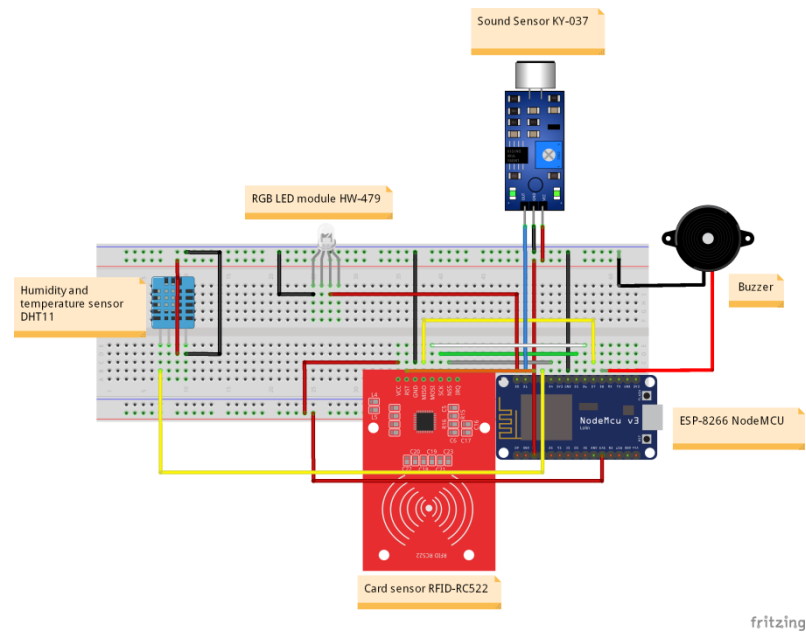


# Smart Home

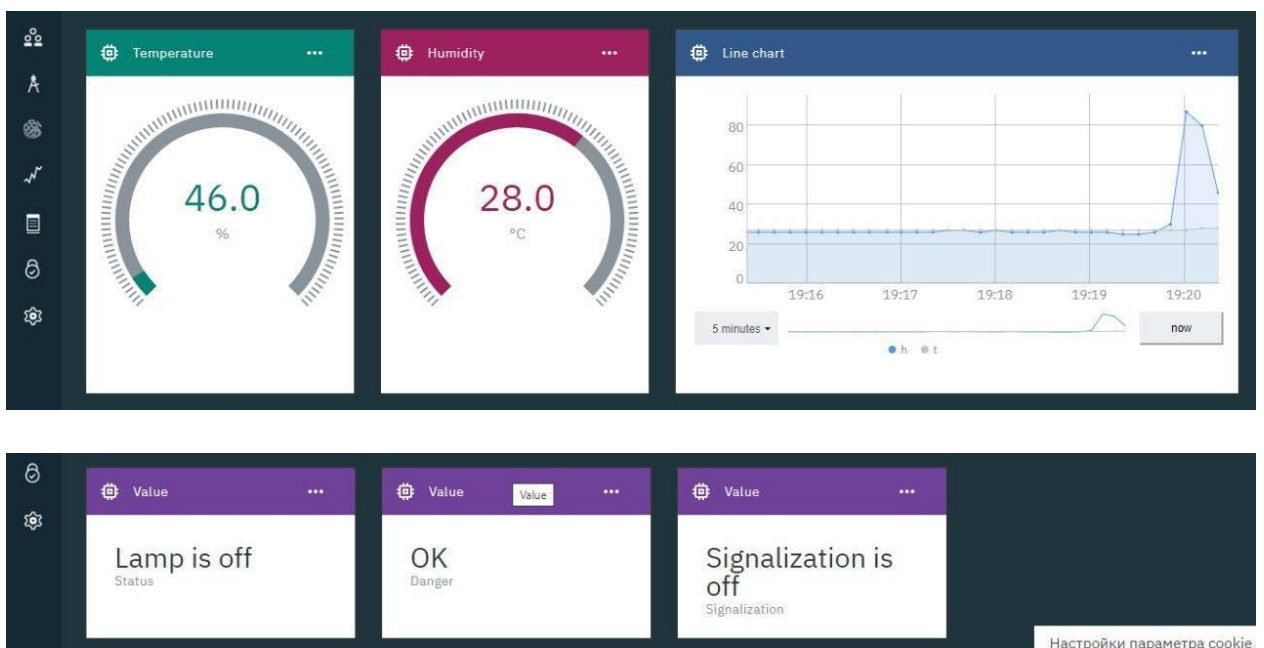
Name: Anton Napolskyi

Components: ESP8266 NodeMCU, humidity and temperature sensor DHT11, card sensor RFID-RC522, sound sensor KY-037, buzzer, RGB LED module HW-479.

The idea of this project was to create an intelligent device that helps monitor the situation of your flat, provide security with the help of key cards and signalling. The lights in apartment will automatically turn on by the clap and information of temperature and humidity indicators will be sent to the server. The “Metadata” function allows you to change the signalling status and lights in home.



img 1: Wiring diagram of individual components



img 2: Visualization of collected data