IoT Project: Height / capacity monitor

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- design of a system to check level of fluid in a basket
- measure height using an ultrasonic sensor and send it to central computer
- show if certain thresholds (low/high) are surpassed at basket and central computer using LEDs and Node-Red
- thresholds can be dynamically set using the Node-Red interface and are sent to the ESP connected to the sensor
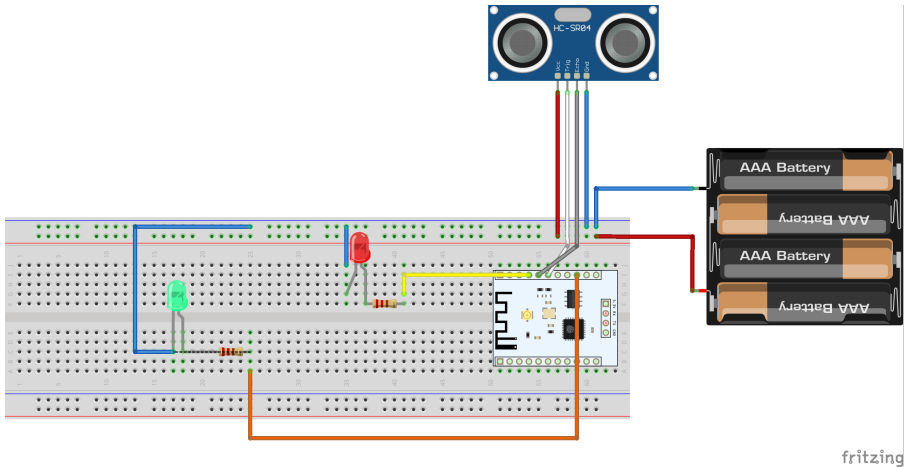
Figure: Circuit of the system

Node-Red interface

add interface here (or points you want to say)

explain important functions of written cod

- measurement fluctuations of the sensor $\rightarrow$ not reasonable values have to be filtered
- needs constant Wifi connection between central computer and ESP to recognize thresholds

Thanks for your attention!