

# Laboratorio IoT



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## Assignment 1: Home Monitoring

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### CORE:

Develop a monitoring system for you house that includes at least: temperature, humidity, light level, wifi power, tilt detection etc. Stores all these quantities in a database. Alerting events should be detected, such as: high temperature, high level or low level of lights, low wifi power, tilt etc. Use a colored led or buzzer to spot alerting events and buttons to enable and disable sensors or alert events. Use the display to show status of the monitoring system.

### ADD-ONS

Set up a remote control of the monitoring system (start, stop, etc.) through a web page. All the sensed values and alerting events must be logged into a database (MySQL or InfluxDB).

### INGREDIENTS:

- + Micro of your choice
- + Sensor or actuators of your choice.

### EXPECTED DELIVERABLES:

- + Github code upload at: <https://classroom.github.com/a/MTWvuXSm>
- + Powerpoint presentation of 5 mins