

## Further expectations for a functioning greenhouse

10 points

You have physically functioning systems. Now we will check for connectivity. We will check your system for:

1. **System is fully integrated and functioning.** All physical connections have been ported to the SAMD21 chip. System manages heating and cooling. LCD still used for local display, but you should remove the buttons.
2. **Ability to adjust set-points remotely:**
  - a) Web-page that allows one to change set-points.
  - b) Set-point data is relayed to your system.
3. **Data is stored on “the Cloud”.** Inside, outside temperatures. Heating and cooling set-points. Lid state and heater power. All are stored in your database.
4. **Display of data.** You have a website that shows all of the above (I’ll leave it up to you to lay things out in a reasonable way). A template has been provided.
5. Not a function, but you will be assessed for **fit-and-finish**. Neat wiring (using breadboard wires where possible; jumpers where needed; no excessive lengths or frankencables). Mounted components.

**Systems will be assessed on Monday, April 23<sup>rd</sup> around 5.00.** You need not be present – I or my duly designated appointees will go to your webpages, change parameters, and observe both the physical system and the online outputs.

Team members: \_\_\_\_\_

Evaluated by: \_\_\_\_\_

Comments:

Score: