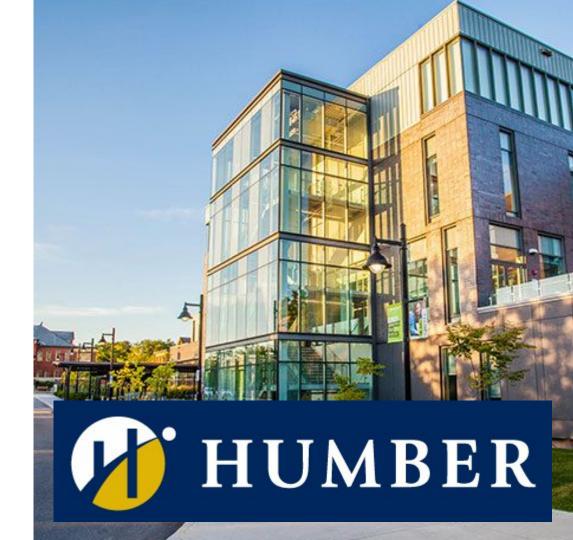
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Lighting

Functionality

Lights will be connect to EV4 or Spike Hubs.
Lights will be controlled by the admin.



Dependency

This system will not be dependent any other system.

Other systems may use this

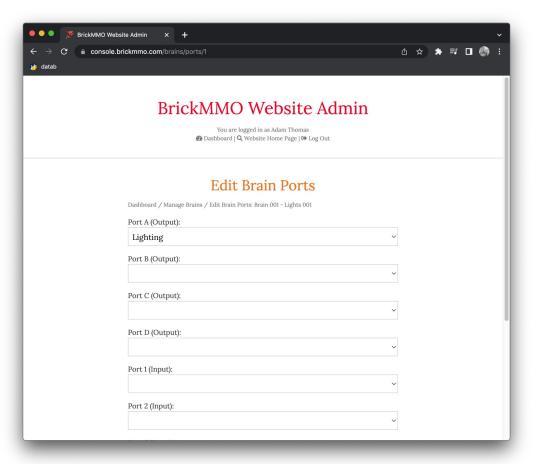
system to incorporate lighting.



3. Settings and Info

Module: Lighting

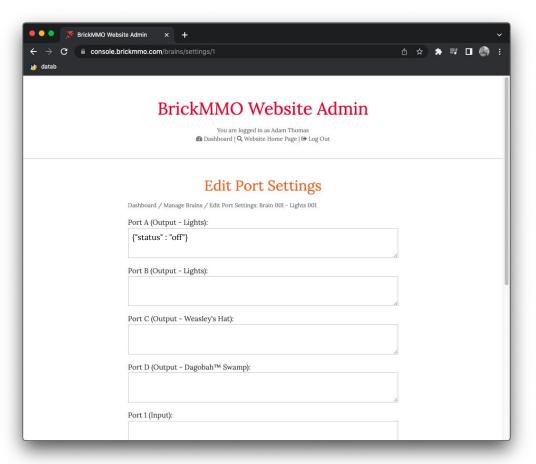
The Lighting module can be connected to as many sports as needed.



Module Settings

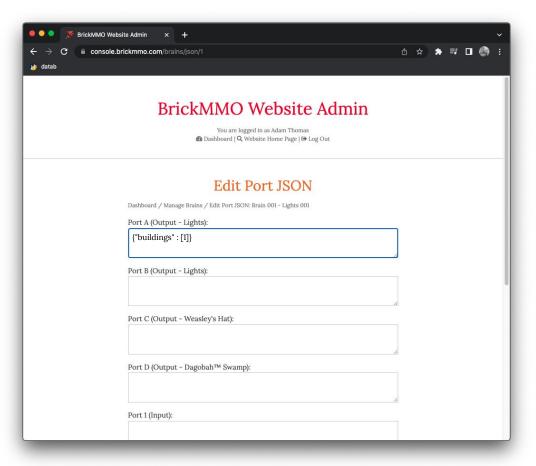
Lights can be set to on off.

When on all lights connected to the port will be turned on.



Module JSON

Additional information will include a list of buildings connected to the specified port.



4. Ports, Motors, and Settings

Sensors and Motors

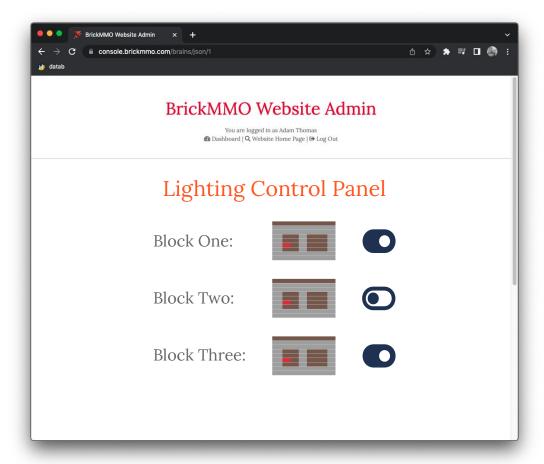
Power function lights will be connected to EV3

Hubs using converters.



Admin Control Panel

Admin will have a control panel listing all lights and their current status. Lights could have different types: on/off, flicker, fade, blink, etc..



5. Pseudocode

IOT Loop

While True

If status == "on"

Set lights port to 100

Else if status == "off"

Set lights port to 0



API Endpoints

/api/brain/{id}

Will return a list of what module each port is set too, settings JSON, and addition information JSON.

