

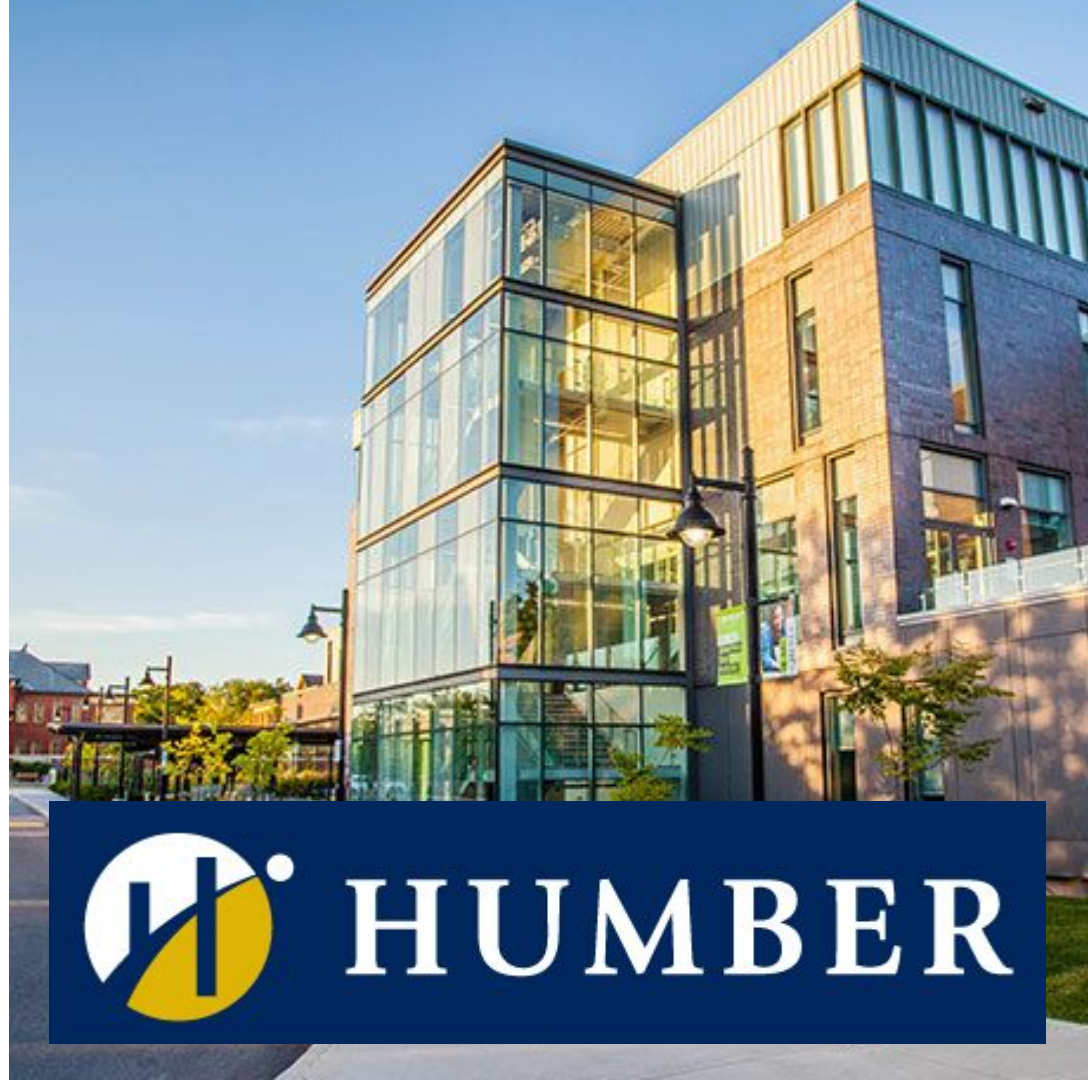
Adam Thomas

Professor, Media Studies and IT
Faculty of Media and Creative Arts

MA Learning and Technology

adam.thomas@humber.ca

codeadam.ca



HUMBER

Dagobah Swamp

Dagobah™ Jedi™ Training Diorama

Set #75330



The LEGO Group. (n.d.). Dagobah™ Jedi™ Training Diorama. Retrieved 2022, from <https://www.lego.com/en-ca/product/dagobah-jedi-training-diorama-75330>.

Module Description

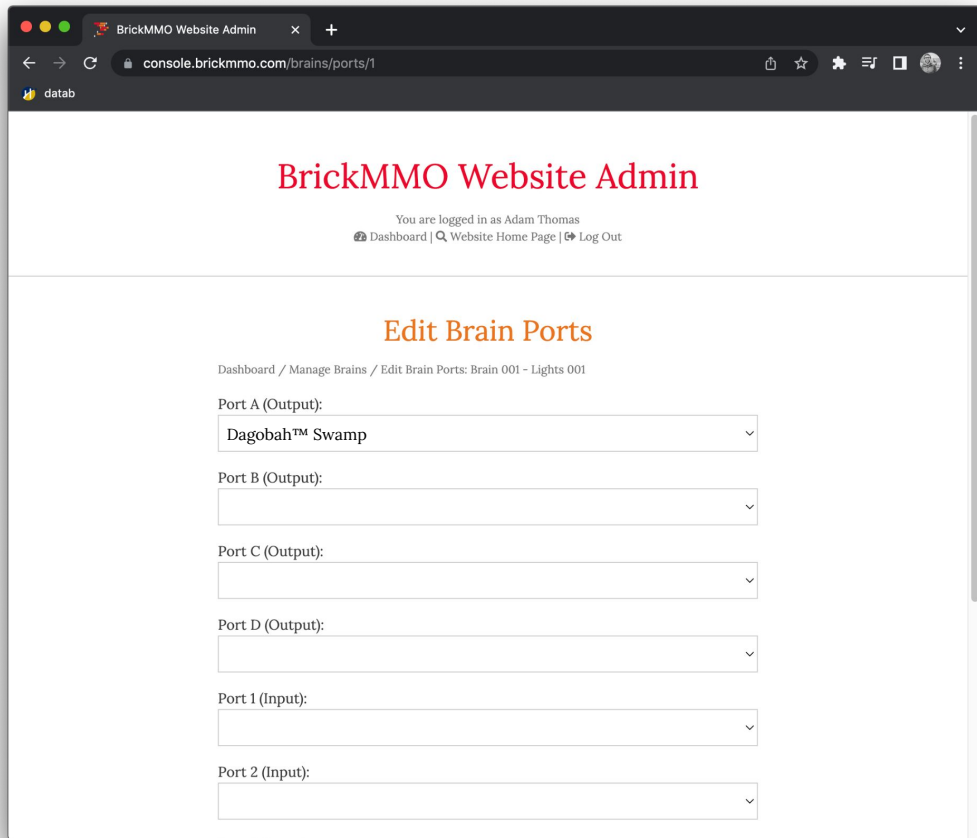
The green swamp beside Yoda's hut will flicker with a green glow.



The LEGO Group. (n.d.). Dagobah™ Jedi™ Training Diorama. Retrieved 2022, from <https://www.lego.com/en-ca/product/dagobah-jedi-training-diorama-75330>.

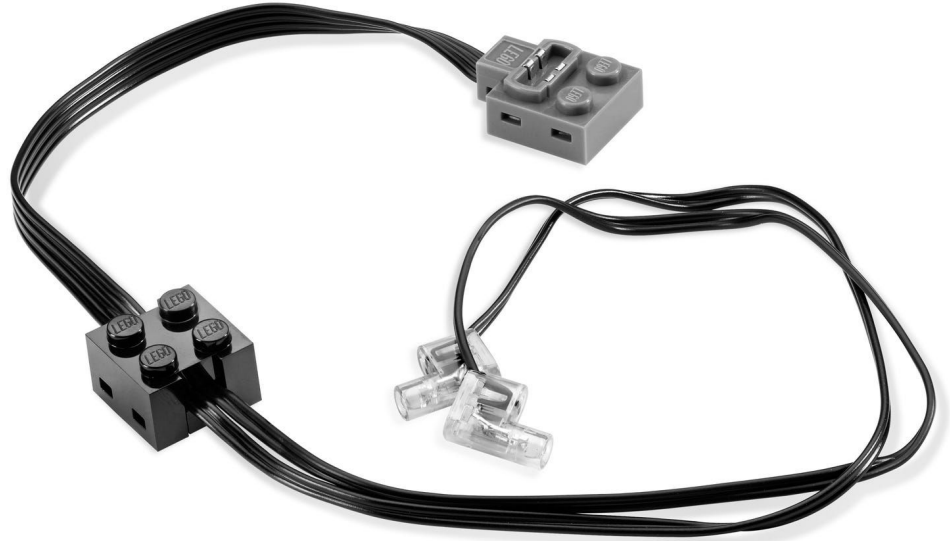
Requirements

Weasley's hat will require one output port on an EV3 brain.



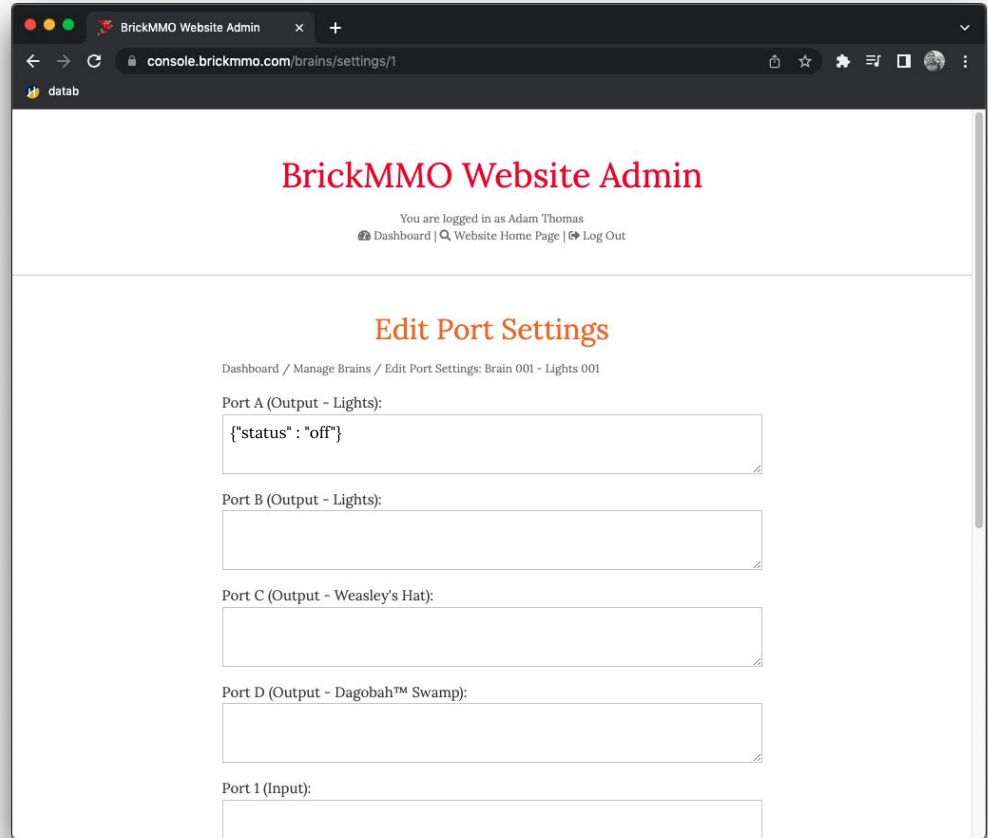
Sensors and Motors

The only output port will be attached to a Power Functions LED.



Port Settings

Status: Can be set to "on" or "off". When on the swamp will flicker with a green glow.

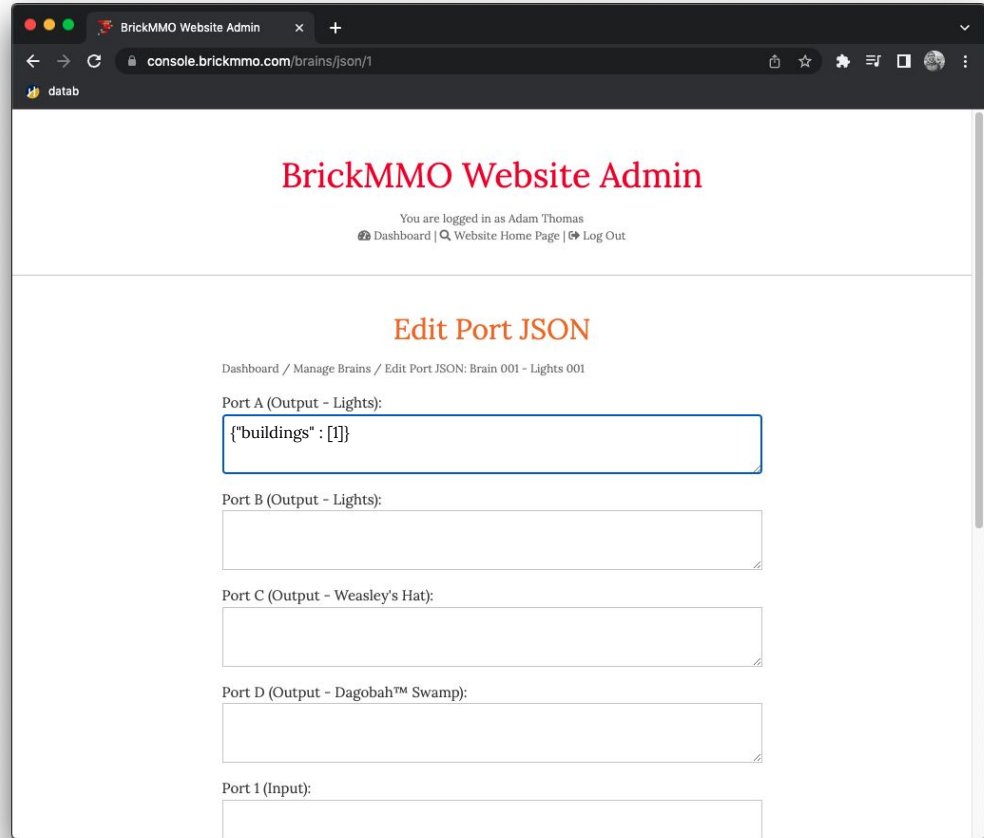


The screenshot shows a web browser window with the title "BrickMMO Website Admin". The address bar shows the URL "console.brickmmo.com/brains/settings/1". The page content includes a header with the title "BrickMMO Website Admin" and a login status "You are logged in as Adam Thomas" with links for "Dashboard", "Website Home Page", and "Log Out". The main section is titled "Edit Port Settings" and contains a breadcrumb trail "Dashboard / Manage Brains / Edit Port Settings: Brain 001 - Lights 001". Below this, there are five port settings sections, each with a label and a text input field:

- Port A (Output - Lights):
- Port B (Output - Lights):
- Port C (Output - Weasley's Hat):
- Port D (Output - Dagobah™ Swamp):
- Port 1 (Input):

Port JSON

Buildings: The ID of the Dagobah™ Jedi™
Training Diorama building.



The screenshot shows a web browser window with the title 'BrickMMO Website Admin'. The address bar shows the URL 'console.brickmmo.com/brains/json/1'. The page content includes a header with the title 'BrickMMO Website Admin' and a login status 'You are logged in as Adam Thomas'. Below this is a navigation bar with links: 'Dashboard | Q Website Home Page | Log Out'. The main content area is titled 'Edit Port JSON' and shows a breadcrumb trail: 'Dashboard / Manage Brains / Edit Port JSON: Brain 001 - Lights 001'. There are five sections for editing JSON data:

- Port A (Output - Lights): A text box containing `{"buildings" : [1]}`.
- Port B (Output - Lights): An empty text box.
- Port C (Output - Weasley's Hat): An empty text box.
- Port D (Output - Dagobah™ Swamp): An empty text box.
- Port 1 (Input): An empty text box.

IOT Loop

While True

 If status == "on"

 Generate random number between
 20 and 100

 Change LED to random number

