Set Hackathon

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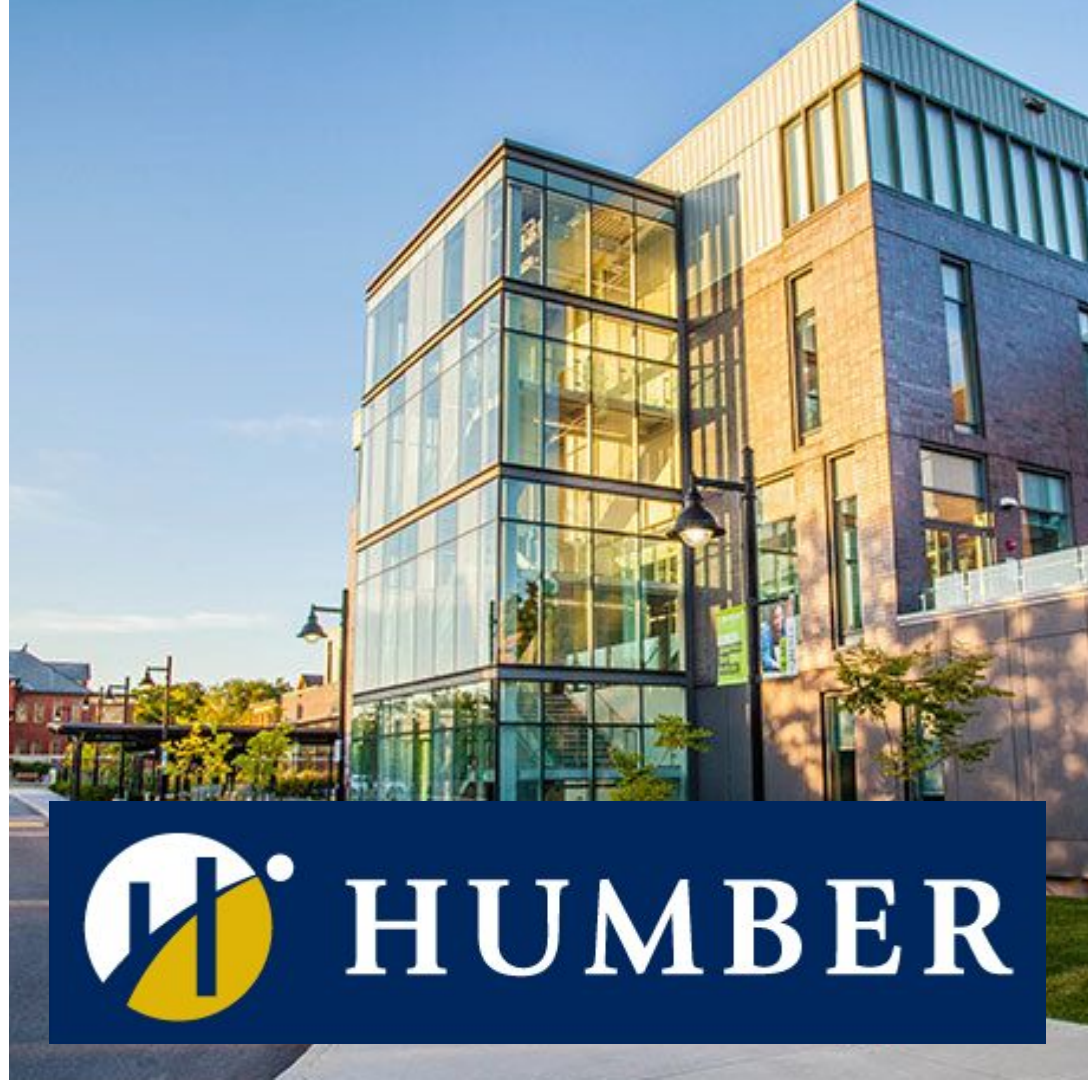
Haunted House

Haunted House

**Set #10273**

Module Description

 Welcome to Manor von Barron, a spooky Haunted House theme-park ride packed with chills and thrills for all who dare to enter. Once home to one of the world's greatest villains who travelled the globe in search of treasures to steal, this Haunted House is a nostalgic throwback to classic LEGO® adventure sets, so be sure to look for rare bricks and ancient artifacts hidden throughout this spooky set!
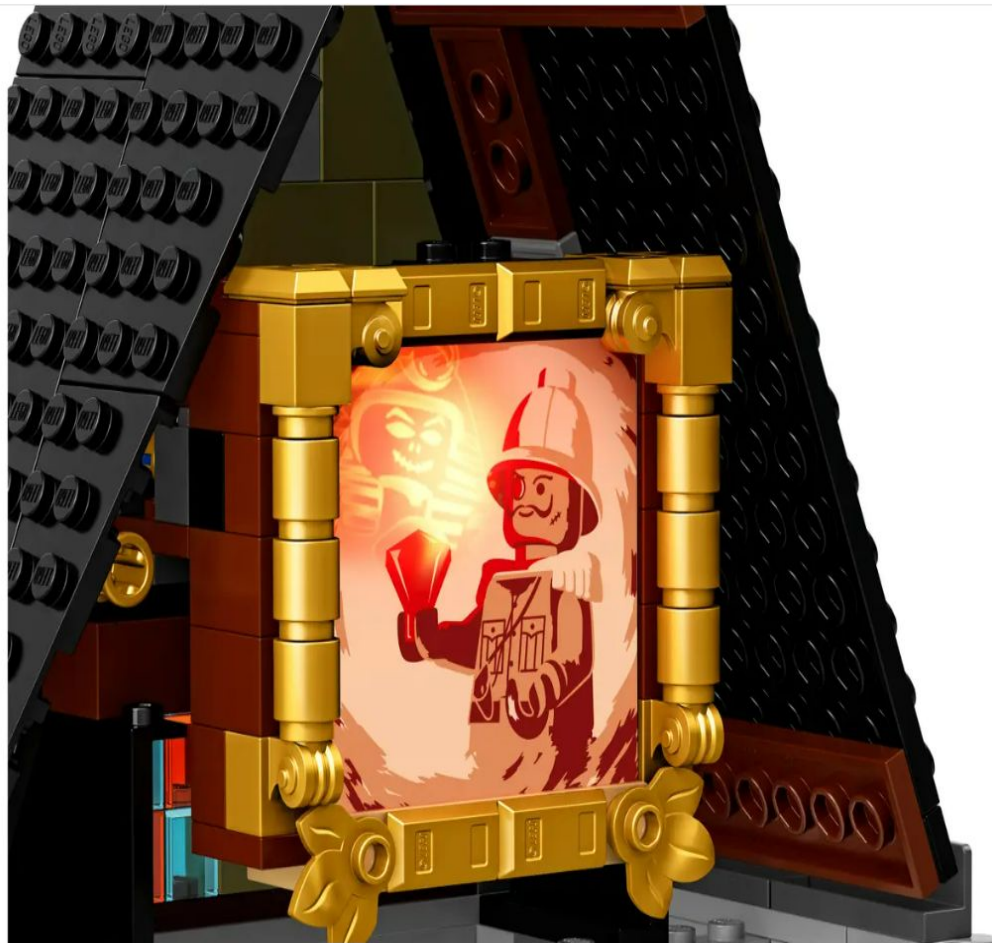
Requirements

1. Medium Linear Motor
2. Hub
3. Distance Sensor
4. Lights
5. Speaker
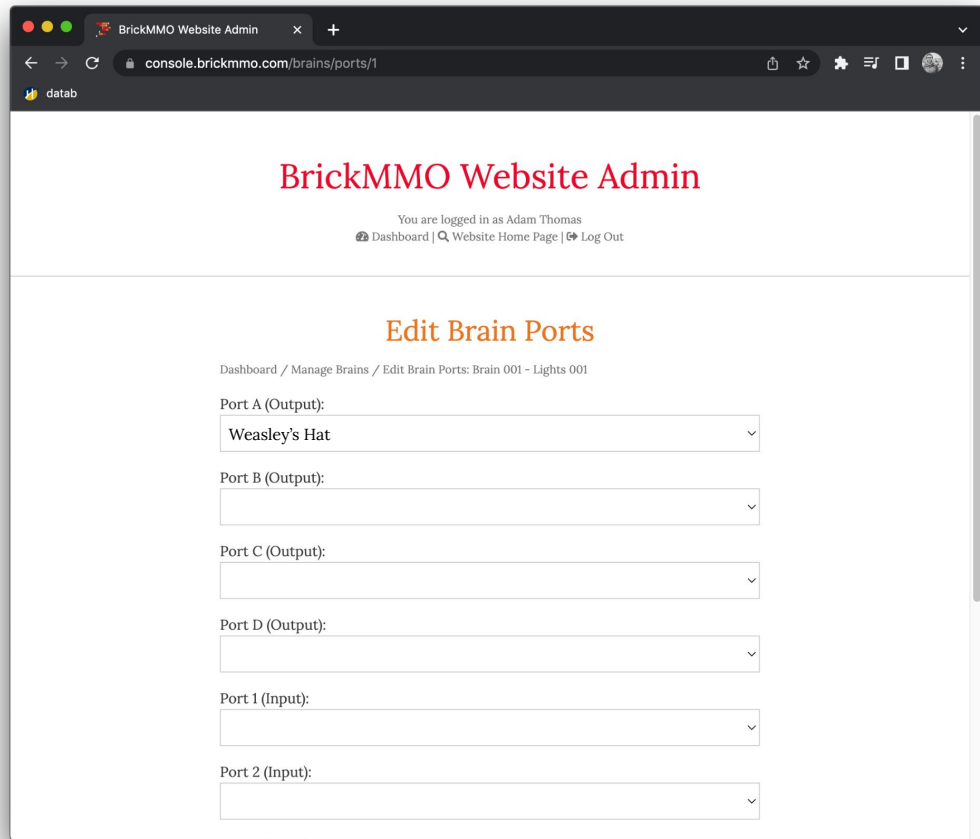
Sensors and Motors

The input port will be attached to an distance sensor . The output port will be attached to medium linear motor, lights and speaker.
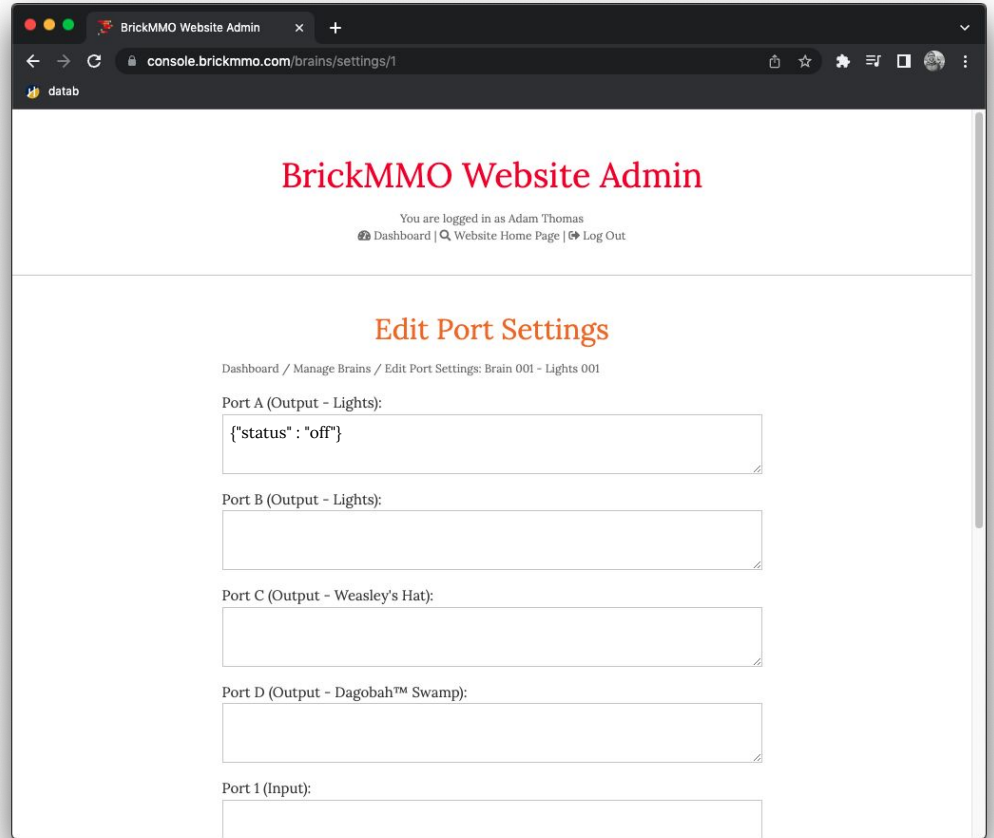
Port Settings

Port A - Output : Lights : on / off

Port B - Output : Motor : on / off

Port C - Input : Distance Sensor : 0-9

Port D - Output : Speaker : on / off

IOT Loop

```
While True:

  If distance_sensor.distance < 3:

    wait(5000) #wait 5000ms

    motor.rotate() #turns on lift motor

    light.blink(true) #blinks the light

    play_sound() # play spooky sounds
Else:

  light.blink(false) #stops blinking

  stop_sound() #stops spooky sounds
```