Abraham Awotunde
Diego Rivera
Yash Modi
Pruthvirajsinh Solanki
Achiaah Agyemang Duah

Students of Web Development

HTTP 5114 Dev Workshop

HUMBER

Fire Station and Fire Truck

Fire Station and Fire Truck

2-Level Fire Station & Functional Fire Truck
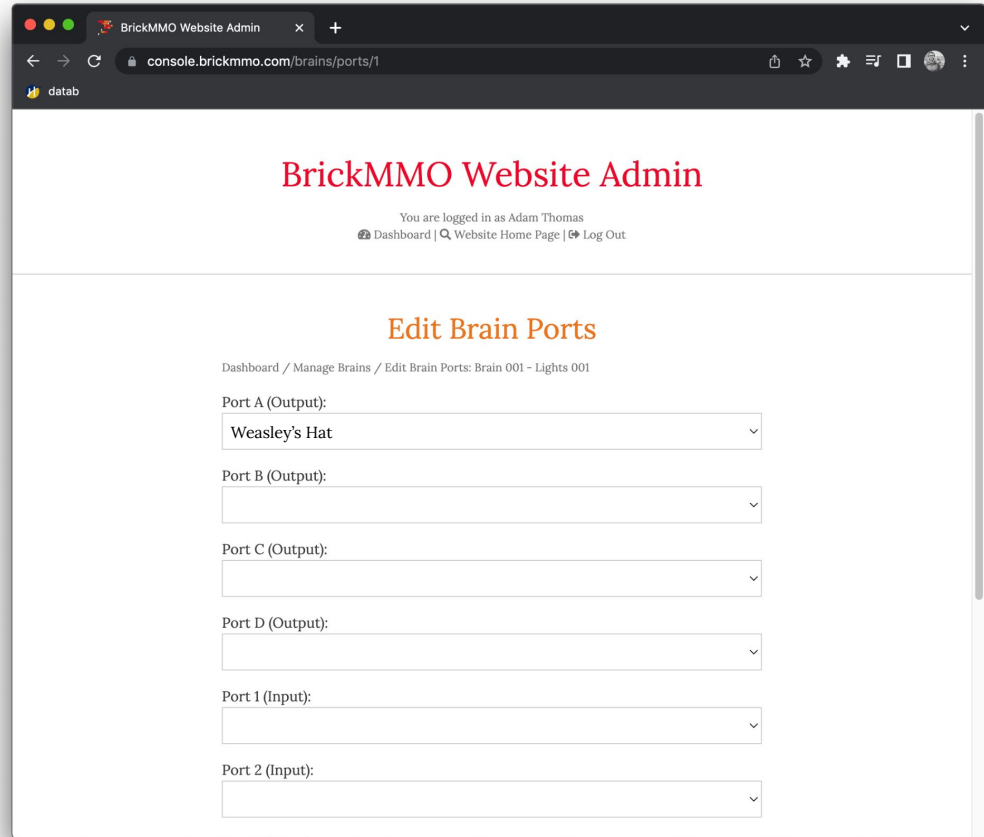
Set #60375

Module Description

The fire station management system is equipped with a fire truck(nozzles, fire extinguishers and ventilators), administration, emergency dispatchers, firefighters and truck drivers, these entities will respond to a fire alarm when triggered within the city.

Requirements

- Fire Alarm in every house
- GPS System for navigation
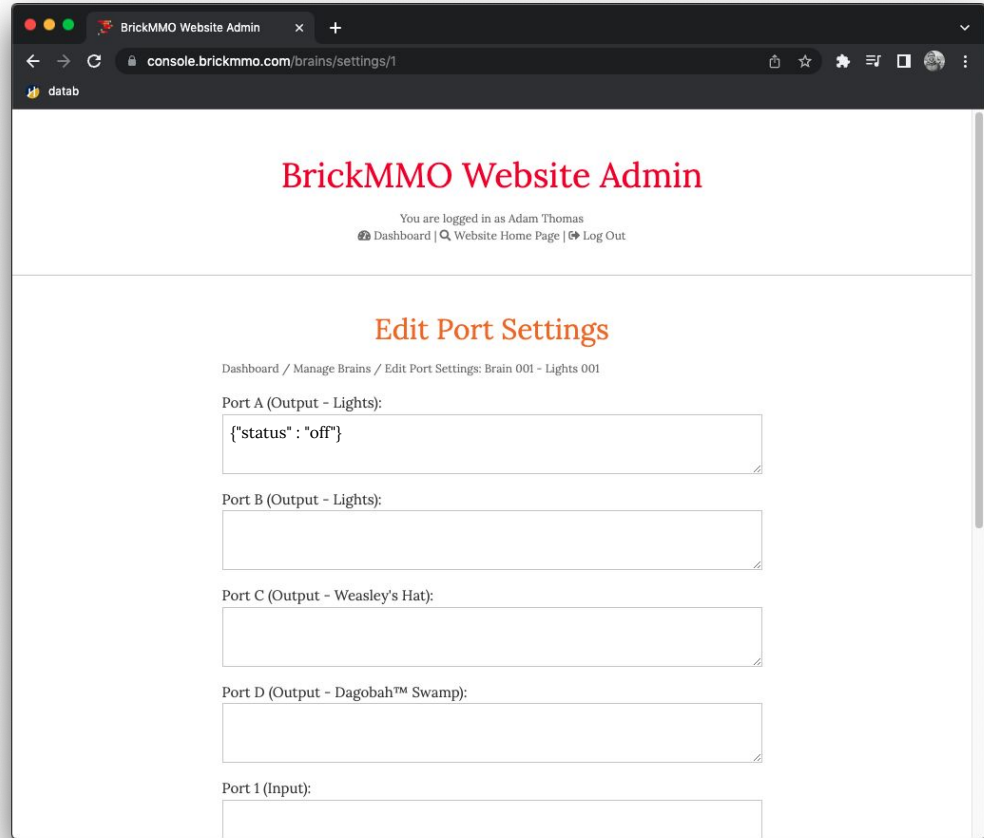- Map for tracking location

Sensors and Motors

- **Sound Sensor**
- **Distance Sensor**

Port Settings

- **Port is "on" when the alarm is more on for more then 1 minute otherwise its "off".**
- **Output port will be the Fire station from where the truck will go to destination.**

IOT Loop

```
var map = map of the lego city
var emergencyLocation = null;

emergency = false;
if fireAlarmRings > 1 minute
        emergency == true
        emergencyLocation = building on fire location

        function goToLocation(emergencyLocation)
        {
         use the map and the emergencyLocation to get the route for the firestruck
         }

        if firestruck == available
                        goToLocation()
                emergency = false
        else
                wait for firestruck to be available
else emergency is false
```

THANK YOU