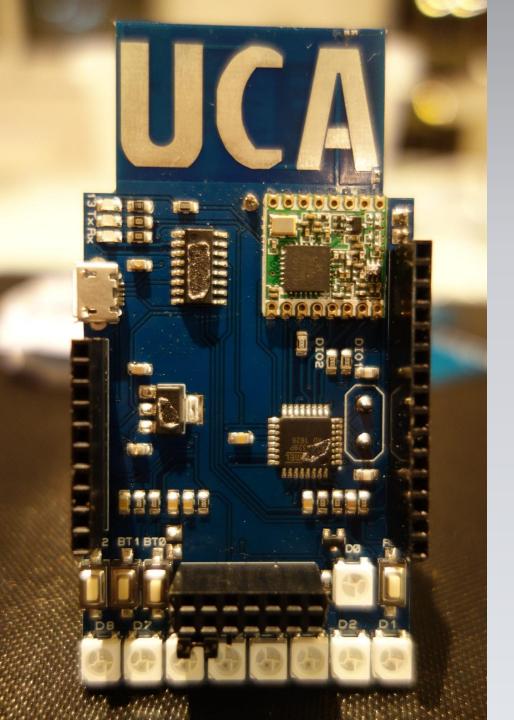


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- Problématique
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- > Réseau et communication
- ➤ Code et Explications
- Design



Présentation du projet

Problématique

Récupérer les données depuis

Détecteur de mouvement non précis (faux positif)

Traiter les données

Listes des composants



Capteur de mouvement



Capteur de luminosité



Capteur de température & humidité

Réseau et communications







```
#Irror_mod.use_z = False
 operation == "MIRROR_Y"
lrror_mod.use_x = False
lrror_mod.use_y = True
 lrror_mod.use_z = False
  operation == "MIRROR_Z";
  rror_mod.use_x = False
  rror_mod.use_y = False
  rror mod.use z = True
 melection at the end -add
  ob.select= 1
  er ob.select=1
   ntext.scene.objects.action
  "Selected" + str(modified
  irror ob.select = 0
 bpy.context.selected_obj
  ata.objects[one.name].sel
  int("please select exaction
  -- OPERATOR CLASSES ----
         operator):
```

Code et Explications

```
float readLight() {
    float result;
    float sensorValue = analogRead(A3);
   float voltage = sensorValue * (3.30 / 1023.0);
    result = voltage * 2000;
    return result;
/*void movementReader() {
   if (digitalRead(2) == LOW) {
       Serial.println("Mouvement non détecté");
       pir = false;
        return pir;
   else if (digitalRead(2) == HIGH) {
       Serial.println("Mouvement détecté");
       pir = true;
       return pir;
void updateEnvParameters()
    int temperature = sensor.getCelsiusHundredths();
    temp = temperature / 100;
   humidity = sensor.getHumidityPercent();
    light = readLight();
   Serial.print(temp); Serial.println("°C");
   Serial.print(humidity); Serial.println("%");
   Serial.print(light); Serial.println("lux");
```

Code Arduino

Overview Devices Payload Formats Integrations Data Setti

INTEGRATION OVERVIEW

Process ID home_connect

Status • Running

Author The Things Industries B.V.

Description Sends uplink data to an endpoint and receives downlink data over HTTP.

TTN vers Web

```
_____mod_mirror_object =
           speration == "MIRROR_X":
           mirror_mod.use_x = True
           mirror_mod.use_y = False
           lrror_mod.use_z = False
             operation = "MIRROR_Y"
            lrror_mod.use_x = False
            Lrror_mod.use_y = True
            "Irror_mod.use_z = False
              operation == "MIRROR Z"
             Irror mod.use x = False
             lrror mod.use y = False
              pror mod.use z = True
               ob.select= 1
Récupération en PHP
```

Int("please select

ypes.Operator):

X mirror to the selected ject.mirror_mirror_x"

// Insertion des varibles dans la table homeconnect data de notre base de données MySQL via requêtes préparées : fonctions prepare et execute (propre au PDO)

\$insertbdd->execute(array(\$server datetime, \$ttn app id, \$ttn dev id, \$ttn time, \$jour,\$heure, \$sensor temperature, \$sensor humidity, \$sensor luminosity));

\$insertbdd = \$bdd->prepare("INSERT INTO homeconnect_data(datetime, app_id, dev_id, ttn_time, jour,heure, temperature, humidity, luminosity) VALUES(?, ?, ?, ?, ?, ?, ?, ?, ?, ?)");

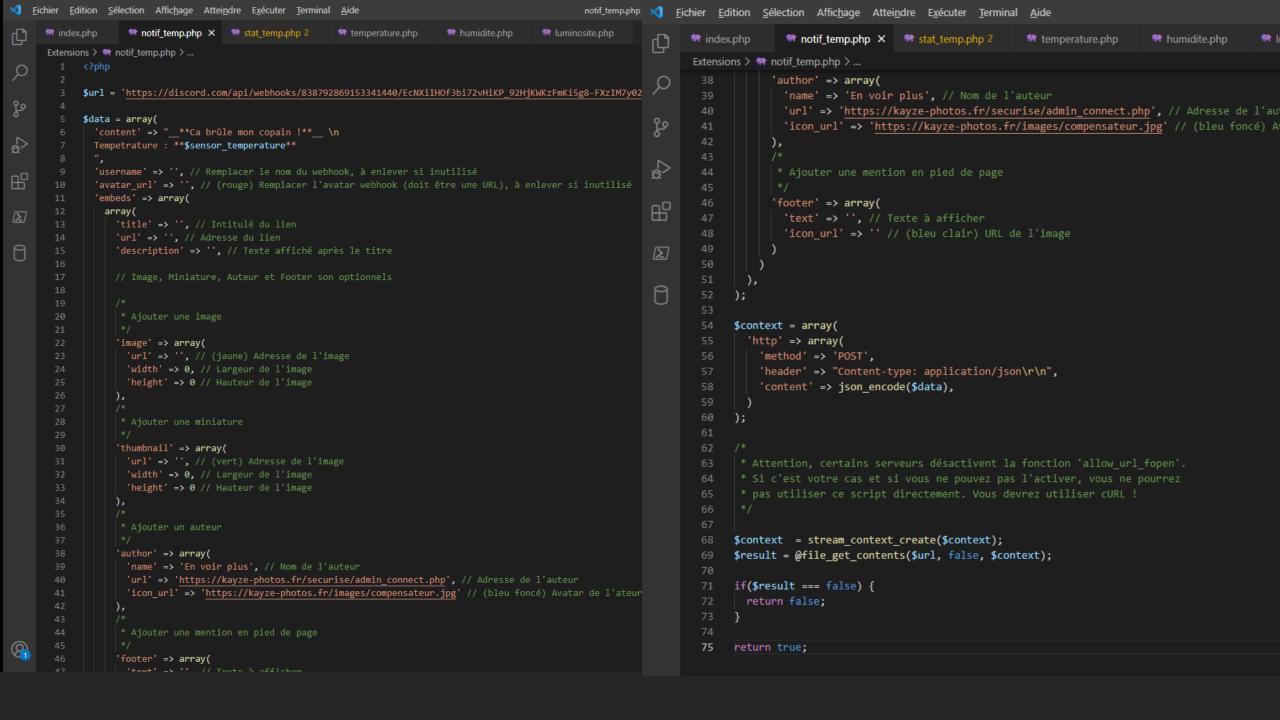
// pour plus de sécurité (injection SQL) et plus de rapidité.

```
peration == "MIRROR_X":
mirror_mod.use_x = True
mirror_mod.use_y = False
"Irror_mod.use_z = False
 operation = "MIRROR_Y"
lrror_mod.use_x = False
Lrror_mod.use_y = True
"Irror_mod.use_z = False
  Operation == "MIRROR Z";
  rror mod.use x = False
  rror mod.use y = False
  rror mod.use z = True
   ob.select= 1
  er ob.select=1
        Pvers Discord
```

Int("please select exact

OPERATOR CLASSES ---

xypes.Operator):
 X mirror to the select
 ject.mirror_mirror_x"



```
speration == "MIRROR_X":
           mirror_mod.use_x = True
           mirror_mod.use_y = False
           lrror_mod.use_z = False
             operation = "MIRROR_Y"
           irror_mod.use_x = False
           Lrror_mod.use_y = True
           "Irror_mod.use_z = False
             operation == "MIRROR_Z":
             lrror mod.use_x = False
             Irror mod.use y = False
             rror mod.use z = True
              ob.select= 1
Base de données
              int("please selec
```

types.Operator):
 X mirror to the select
 ject.mirror_mirror_x"

