Gardien de Babyfoot automatisé

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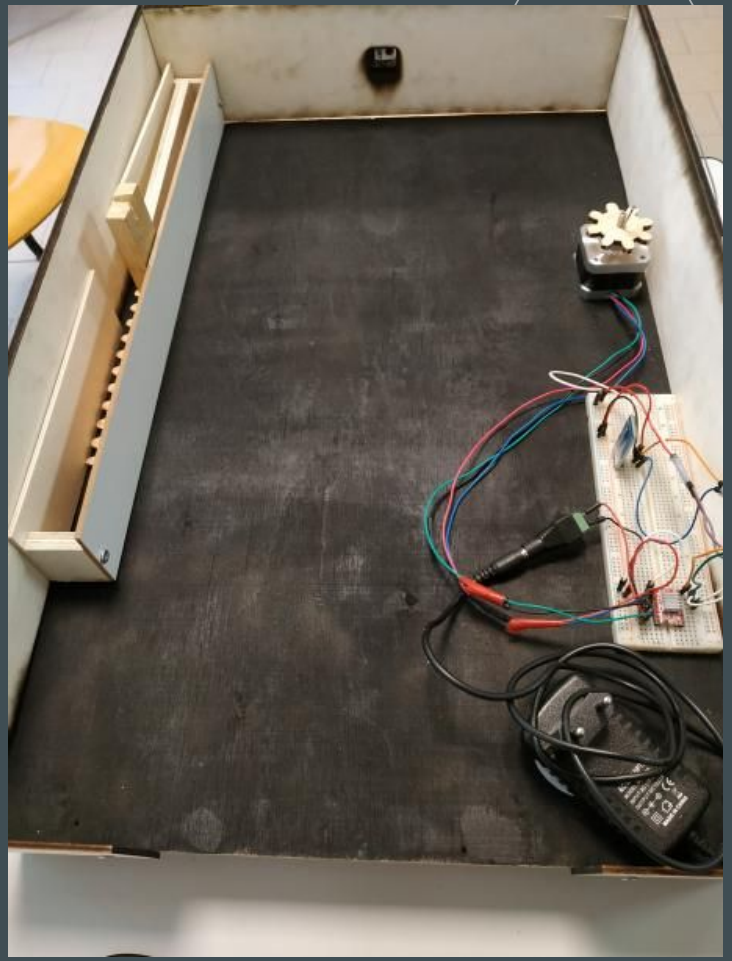
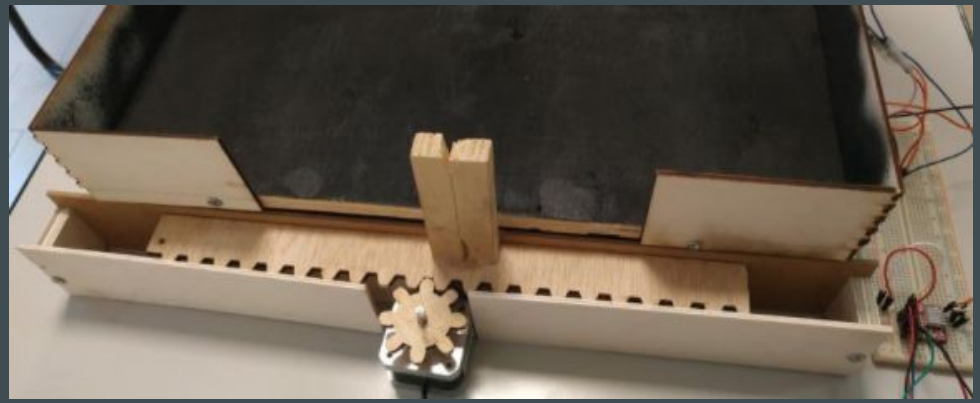
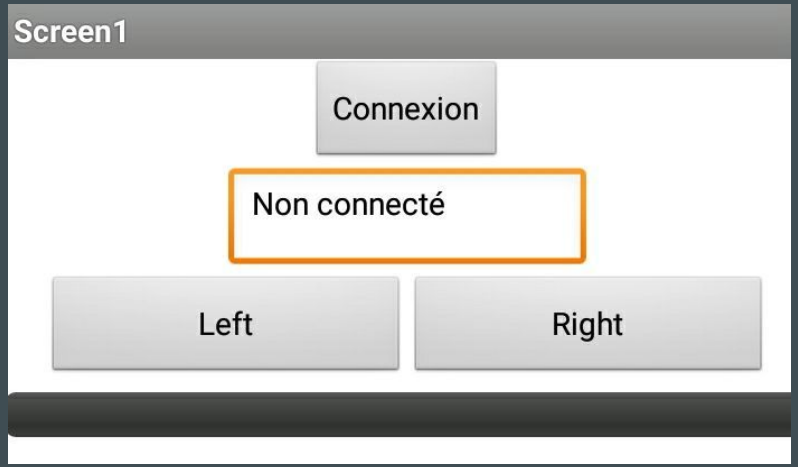



```
void loop() {
  int i;
  pixy.ccc.getBlocks();
  area = width * height; //calcul de l'aire
  maxArea = 4500; //aire max
  minArea = 3500; //aire min

  if (pixy.ccc.numBlocks){
    Serial.print("Detected "); //ecrit sur le moni
    Serial.println(pixy.ccc.numBlocks);

    for (i=0; i<pixy.ccc.numBlocks; i++){
      Serial.print( "block ");
      Serial.print(i);
      Serial.print(":" );
      pixy.ccc.blocks[i].print();
      x = pixy.ccc.blocks[i].m_x;
      y = pixy.ccc.blocks[i].m_y;
      width = pixy.ccc.blocks[i].m_width;
      height = pixy.ccc.blocks[i].m_height;
      signature = pixy.ccc.blocks[i].m_signature;
        //Infos de la caméra sur le moniteur série
      delay(20);
      }
  }
```



```
void loop() {
  while (BlueT.available()) {
    lettre = char(BlueT.read());
    Serial.println(lettre);
    if (lettre == '0' || lettre == '2') {
      if (lettre == '2') {digitalWrite(Dir,LOW);}
      else {digitalWrite(Dir,HIGH);}
      for(int x=0;x<5;x++){
        digitalWrite(Pas,HIGH);
        delayMicroseconds(500);
        digitalWrite(Pas,LOW);
        delay(1);
      }
    }
  }
}
```

```
    digitalWrite(Dir,LOW); //re
    //réception de la position
    nbPx = y-PosG; //calcul du
    PosG = y; //la position du
    nbPas = round(nbPx*2.8); //

    if(nbPas<0){ //changement d
      digitalWrite(Dir,HIGH);
      nbPas = -nbPas ;
    }
    for(int x=0;x<nbPas;x++){ /
      digitalWrite(Pas,HIGH);
      delayMicroseconds(500);
      digitalWrite(Pas,LOW);
      delay(1);
    }
}
```



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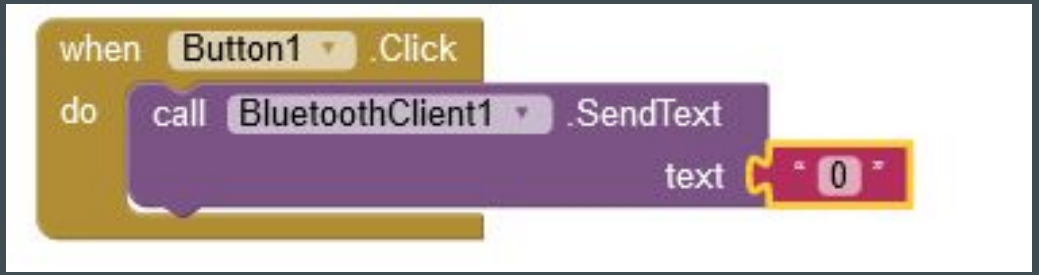
Le Bluetooth



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La structure

- Compétences développées
- Erreurs commises
- Points à améliorer

06

Conclusion