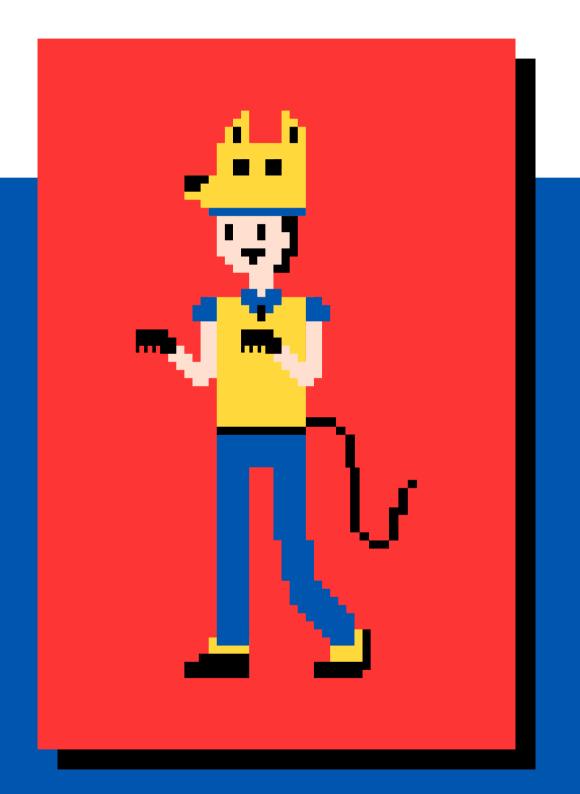


Ambitious project

Make the famous game "Temple Run" active and almost live action





Researching process

Find a fun and famous game

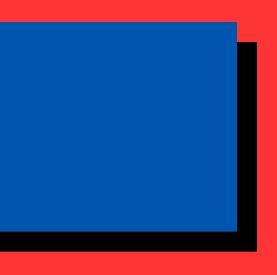
02 Find an innovative way to play it and make it real



Problem number 1

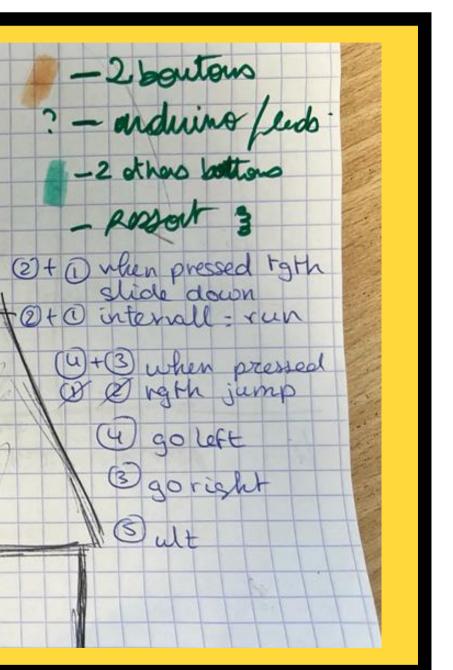
how to connect the plates and the pressure captor to activate it

We had to find a way to use pressure captors as a way to play Temple Run. So we decided to create wooden plates to push down on those pressure captors. But we had to be creative to find a way to have the plates elevated so that we could actually push down with our hands





Drawing STILL





Problem number 2

not enough time

We had our equipment late and some didn't work at first, we had to innovate and searcg for new ways of realising our project. The coding part didn't help because our arduino didn't connect to the computer and therefore couldn't load and read the code





Problem number 3

how to connect everything

01

Prototype & tests

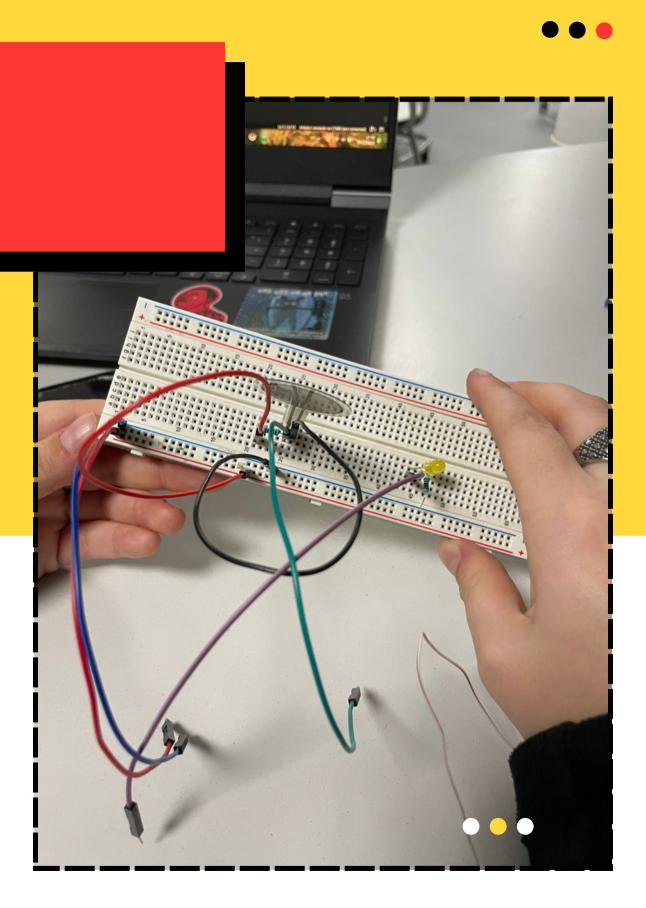
test the captor sensors with just a small circuit and a LED light

Wires and pressure

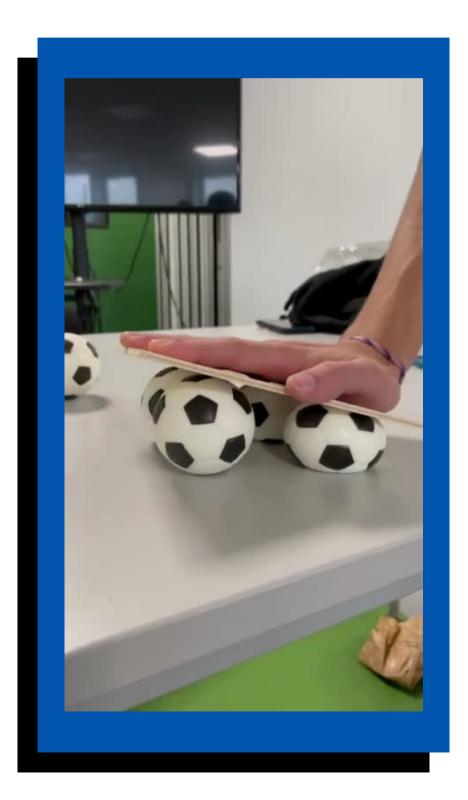
captors

02

create very long wires to connect the pressure captors on the plates to the breadboard

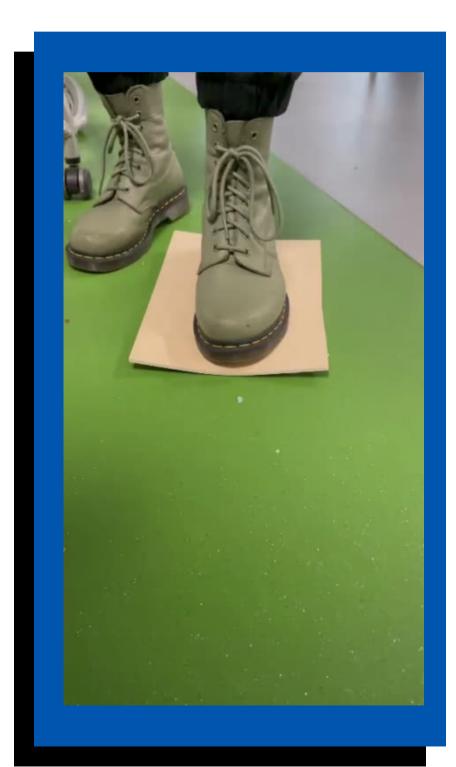


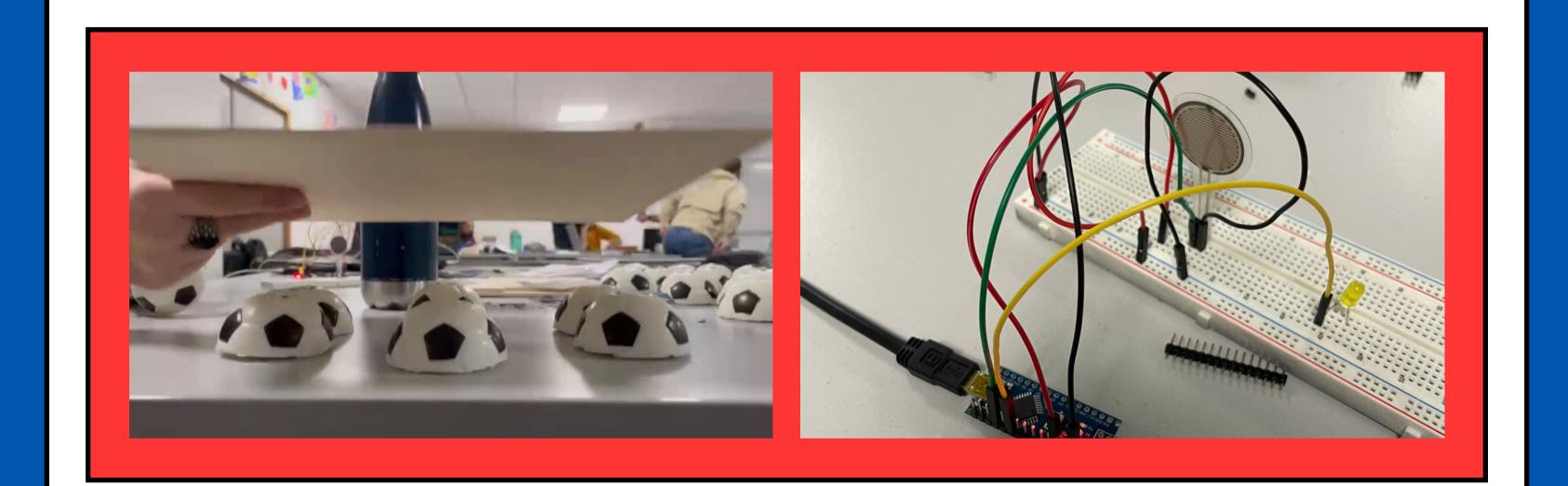
maquette











some behind the scene pics and shots ;]



Project realisation

Idea
Thinking of an original
Materials
Get the materials and t coding and circuits
Work
Connect and wire every improvements in the m



I idea to play a random video games

I try to make them work by using some

erything, check for mistakes and possible making

le code

void setup() {

void loop() {

} else {

} else {

} else {

```
File Edit Sketch Tools Help
                                                             🔿 ⊳ 🕴 Arduino Uno
                                                             sketch dec19a.ino
                                                                  #include <Keyboard.h>
                                                                  const int ROW NUM = 4; // four rows
                                                                4 const int COLUMN NUM = 4; // four columns
                                                                   char keys[ROW NUM][COLUMN NUM] = {
                                                                    {'1','2','3','A'},
                                                                    {'4','5','6','B'},
                                                                    {'7','8','9','C'},
                                                                    {'*','0','#','D'}
                                                                   byte pin_rows[ROW_NUM] = {9, 8, 7, 6}; // connect to the row pinouts of the keypad
                                                                  byte pin column[COLUMN NUM] = {5, 4, 3, 2}; // connect to the column pinouts of the keypad
                                                                  Keyboard keyboard = Keyboard(makeKeymap(keys), pin_rows, pin_column, ROW_NUM, COLUMN_NUM);
                                                                   void setup() {
                                                                   Serial.begin(9600);
Keyboard.begin();
                                                                  void loop() {
                                                                   char key = keyboard.getKey();
const int pressureSensorPin1 = A1;
                                                                   if (key) {
const int pressureSensorPin2 = A2;
                                                             Output Serial Monitor
const int pressureSensorPin3 = A3;
                                                              C:\Users\zelfi\AppData\Local\Temp\.arduinoIDE-unsaved20231119-8136-7t0mb.z34xka\sketch dec19a\sketch dec19a.ino:43:24: error: 'RIGHT ARROW'
                                                                    keyboard.write(RIGHT ARROW);
const int pressureThreshold = 1000; // Adj
                                                              exit status 1
     pinMode(pressureSensorPin0, INPUT);
                                                              Compilation error: 'Keyboard' does not name a type
     pinMode (pressureSensorPin1, INPUT);
     pinMode(pressureSensorPin2, INPUT);
                                                                                             🕂 📮 🗛 🏣 🛐 🔘 🚾 🧈 🐉 🐼 📼 🕵
     pinMode(pressureSensorPin3, INPUT);
     int pressureValue0 = analogRead(pressureSensorPin0);
     int pressureValue1 = analogRead(pressureSensorPin1);
     int pressureValue2 = analogRead(pressureSensorPin2);
     int pressureValue3 = analogRead(pressureSensorPin3);
     if (pressureValue0 < pressureThreshold) {</pre>
        digitalWrite(ledPin, HIGH);
        digitalWrite(ledPin, LOW);
     if (pressureValue1 < pressureThreshold) {
        digitalWrite(ledPin, HIGH);
                                                                                                                                           digitalWrite(ledPin, LOW);
                                                                                                                                             if (pressureValue2 < pressureThreshold) {</pre>
        digitalWrite(ledPin, HIGH);
        digitalWrite(ledPin, LOW);
```

sketch_dec19a | Arduino IDE 2.2.1

