

2025-1-RO01-KA121-VET-000319082

4IT Erasmus+Project, 2025-1-RO01-KA121-VET-000319082

Beneficiary: "Ferdinand I" National College, Bacau

Sending organization: "Gheorghe Vranceanu" National College, Bacau

MOBILITY PORTFOLIO

Paphos, Cyprus

Mobility period 28.10.2025- 10.11.2025

Practice period: 29.10.2025-08.11.2025

RECEIVING COMPANY: Lazarous ICT Professionals

Practice tutor: Lazaros Lazarou

Participant: Pânzaru Andrei

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Secțiunea 1:

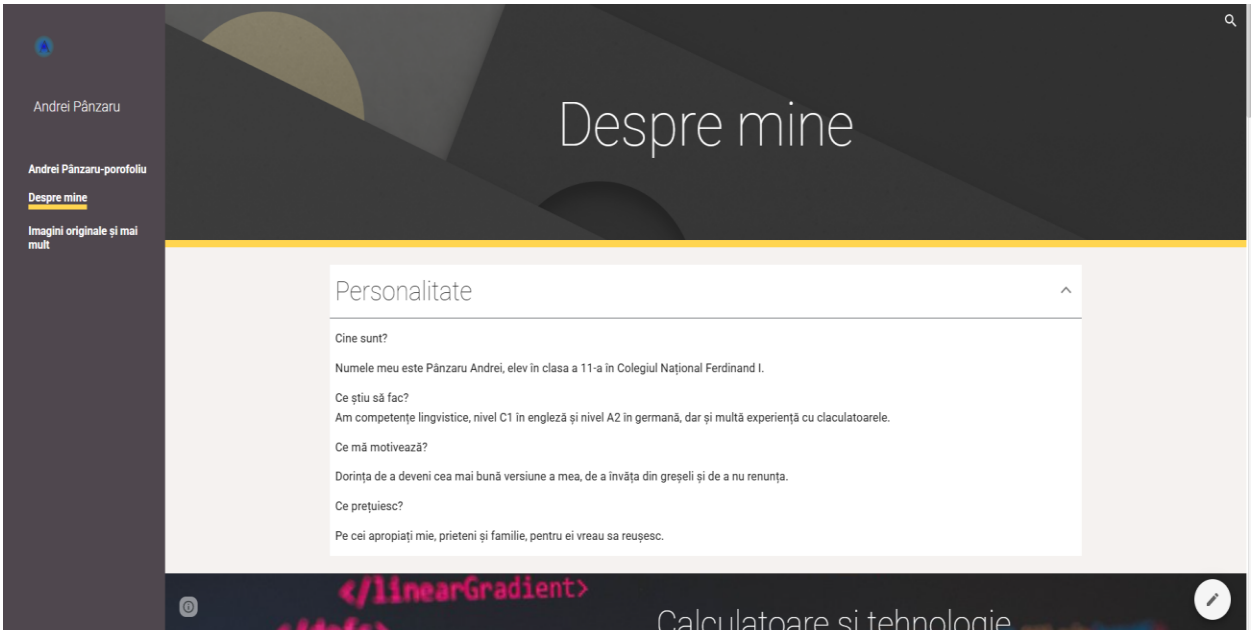


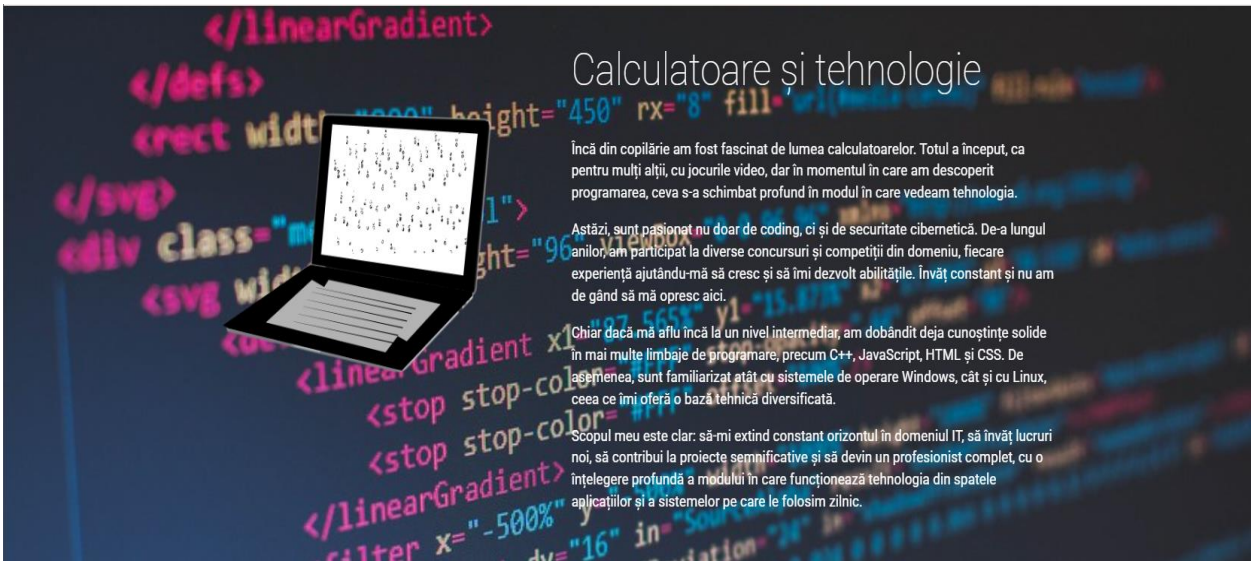


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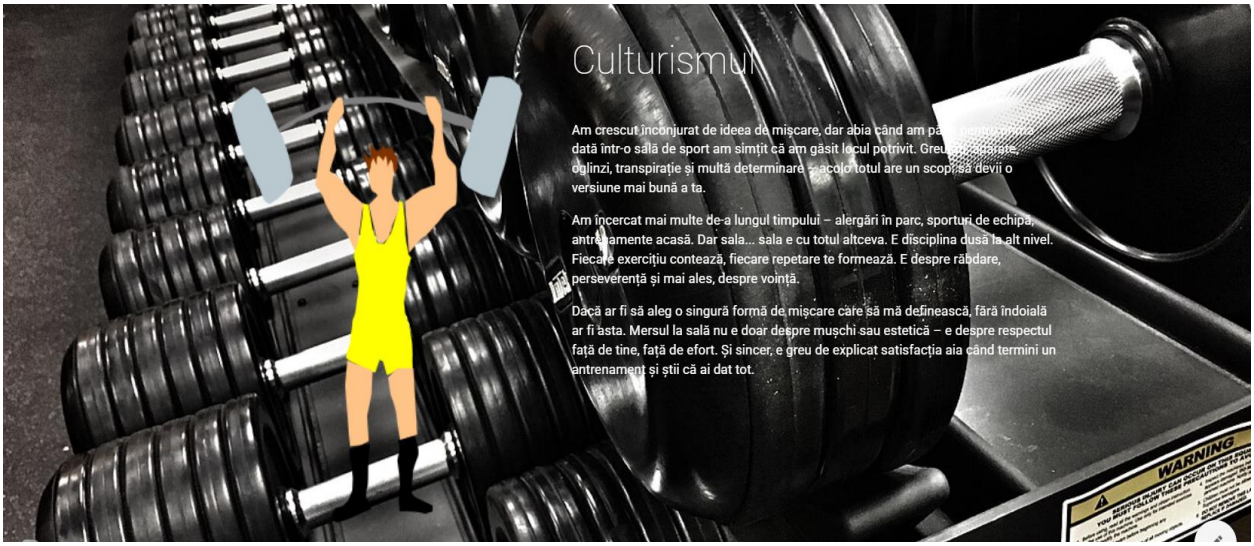


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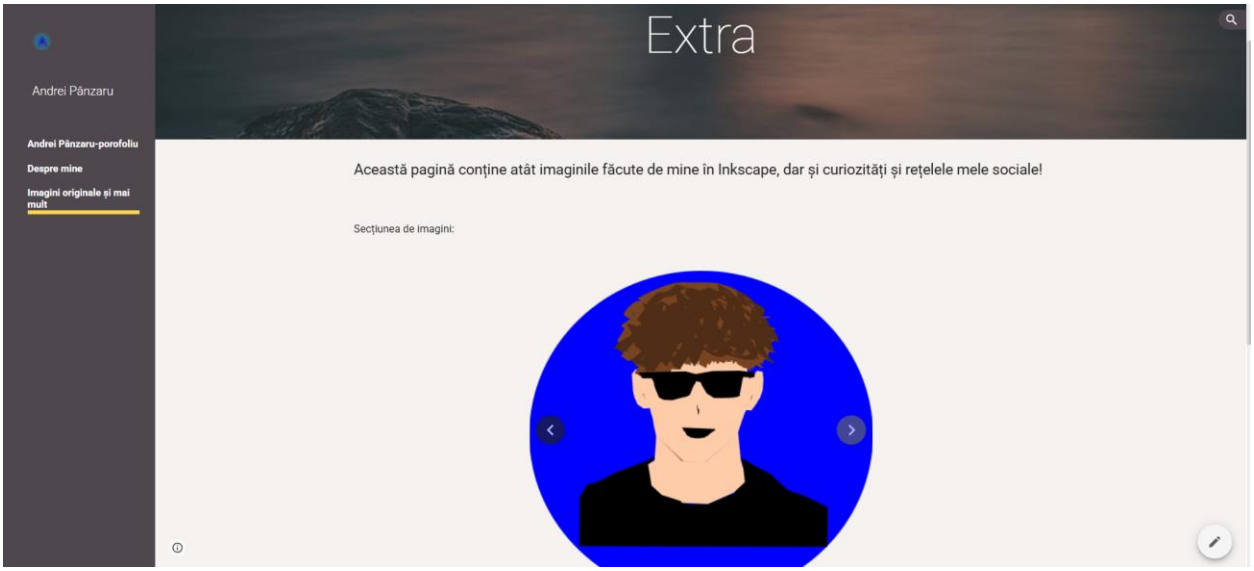




Colegiul National Ferdinand I

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Pânzaru Andrei

Câteva curiozități despre mine:

Am vizitat 11 țări străine până acum 😜
Merg la sală frecvent de aproape 2 ani.

Am practicat 5 sporturi de-a lungul anilor: fotbal, baschet, șah, karate și înot.

Colegiul National Ferdinand I

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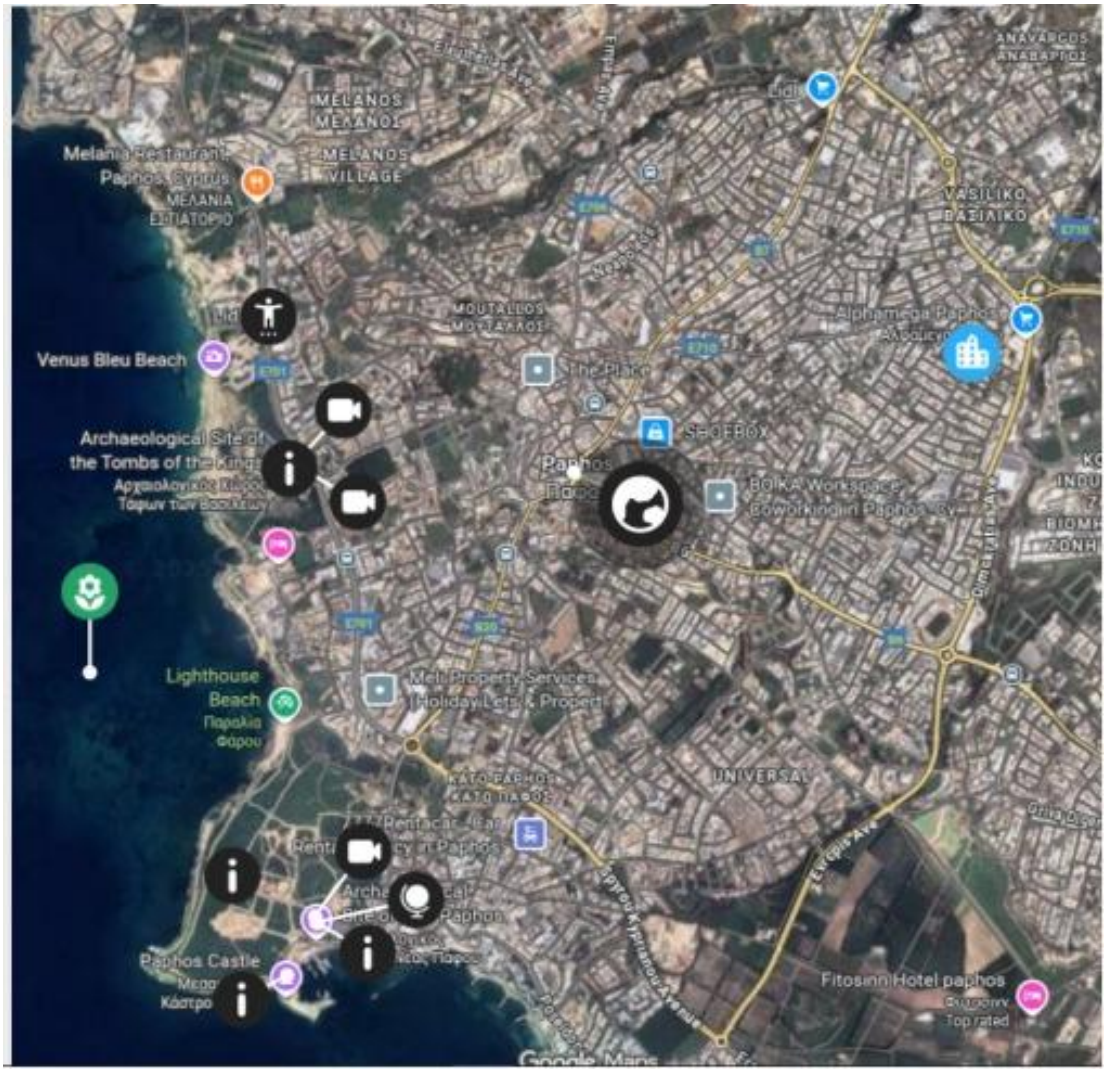
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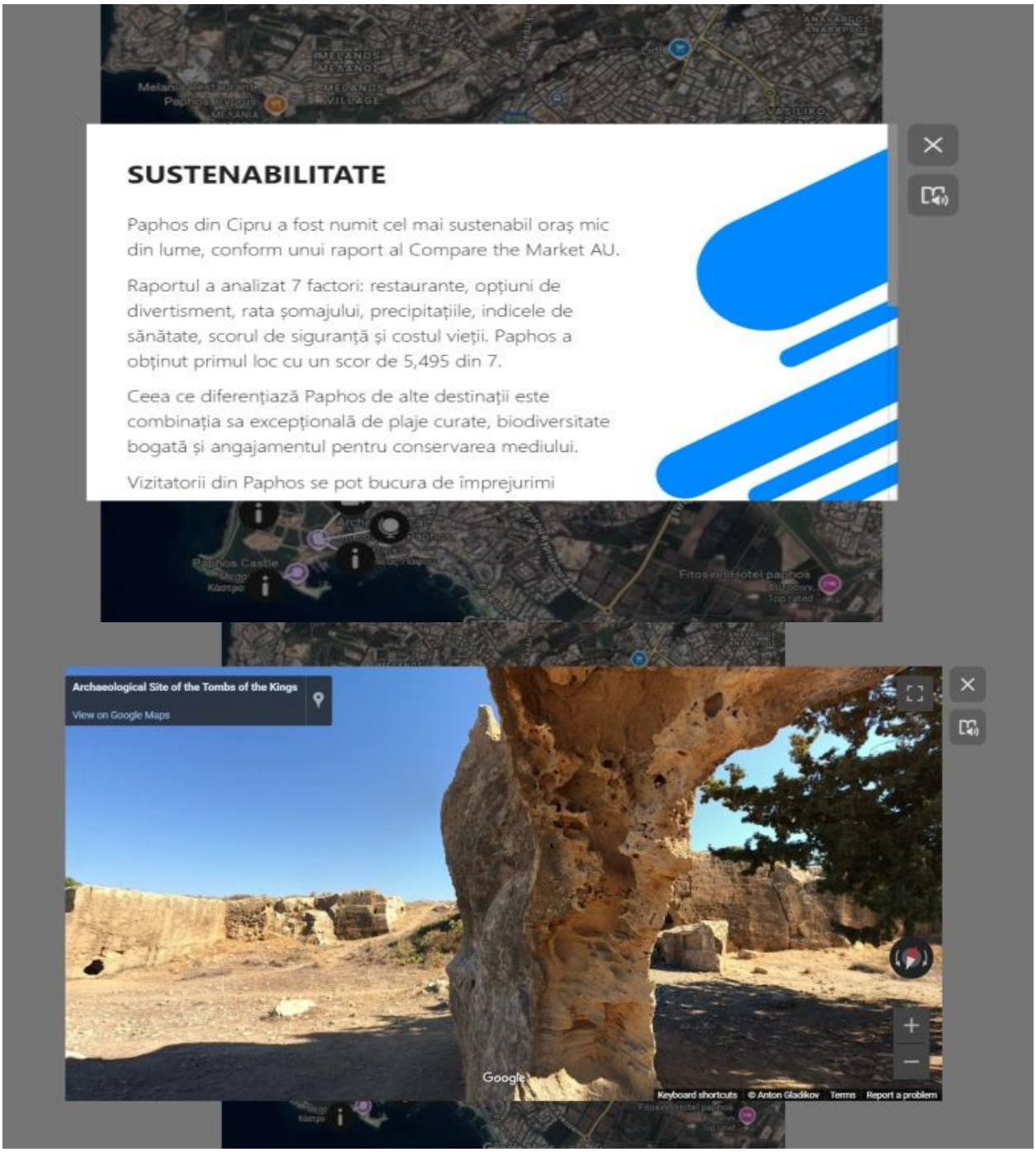
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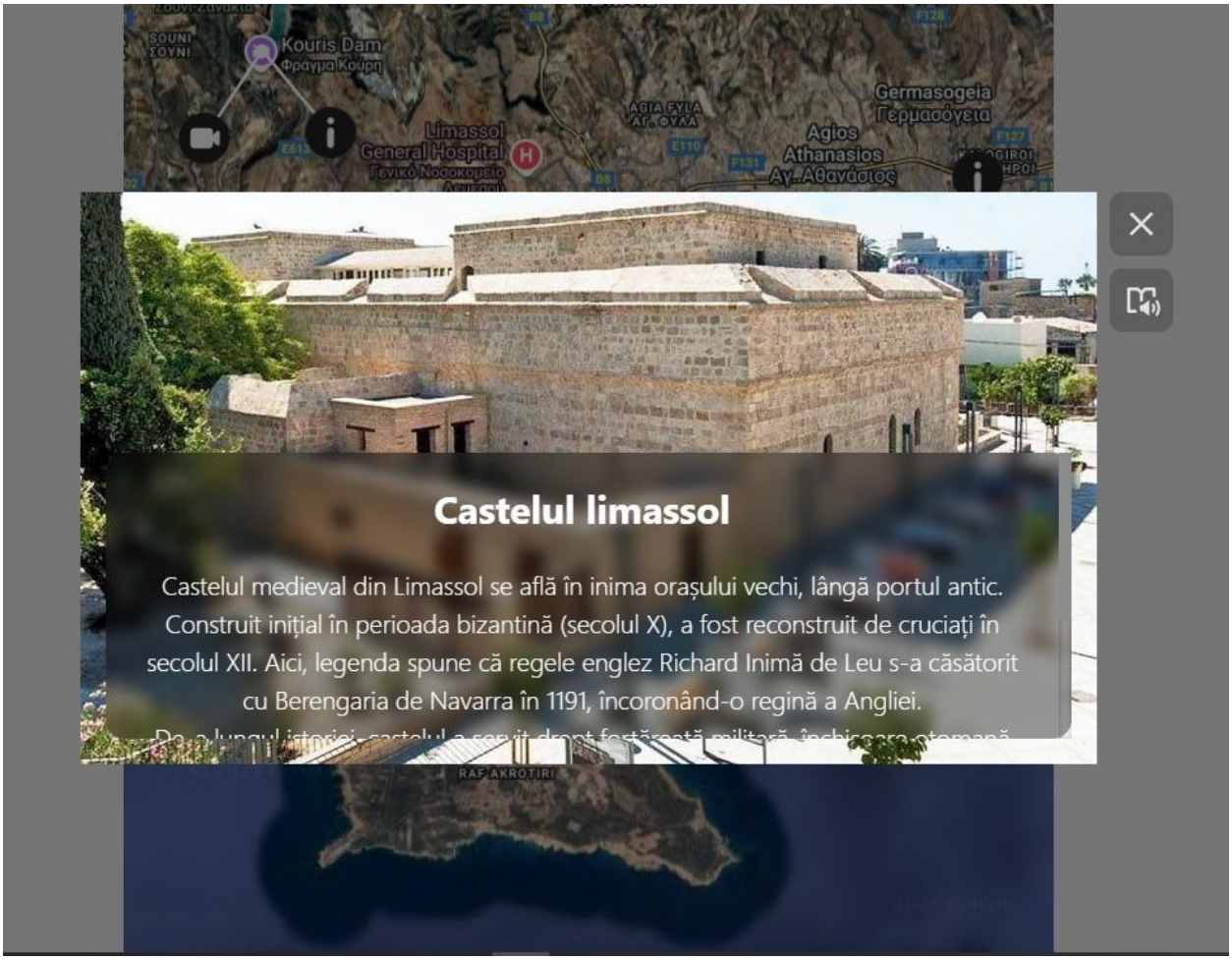
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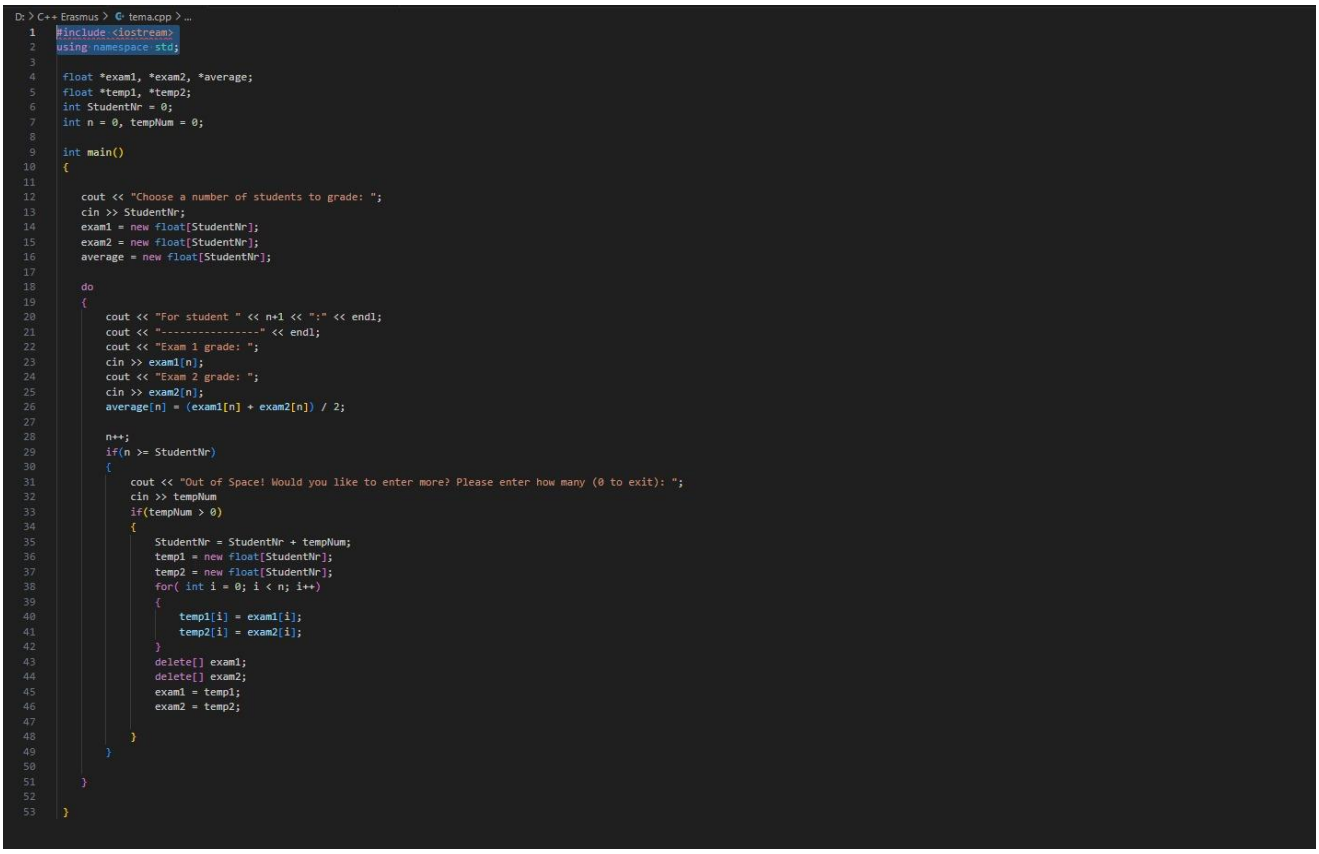
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Secțiunea 2:



```
D: > C++ Erasmus > tema.cpp > ...
#include <iostream>
using namespace std;

float *exam1, *exam2, *average;
float *temp1, *temp2;
int StudentNr = 0;
int n = 0, tempNum = 0;

int main()
{

   cout << "Choose a number of students to grade: ";
   cin >> StudentNr;
   exam1 = new float[StudentNr];
   exam2 = new float[StudentNr];
   average = new float[StudentNr];

   do
   {
       cout << "For student " << n+1 << ":" << endl;
       cout << "----------------" << endl;
       cout << "Exam 1 grade: ";
       cin >> exam1[n];
       cout << "Exam 2 grade: ";
       cin >> exam2[n];
       average[n] = (exam1[n] + exam2[n]) / 2;

       n++;
       if(n >= StudentNr)
       {
           cout << "Out of Space! Would you like to enter more? Please enter how many (0 to exit): ";
           cin >> tempNum
           if(tempNum > 0)
           {
               StudentNr = StudentNr + tempNum;
               temp1 = new float[StudentNr];
               temp2 = new float[StudentNr];
               for( int i = 0; i < n; i++)
               {
                   temp1[i] = exam1[i];
                   temp2[i] = exam2[i];
               }
               delete[] exam1;
               delete[] exam2;
               exam1 = temp1;
               exam2 = temp2;

           }
       }

   }

}
```

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Cars.cpp

```cpp
#include <iostream>
using namespace std;

public class Car {
    private:
        string Model;
    string Brand;
    int HP;
    int YOF; ///year of fabrication

    public:
        void setModel(string n) {
        Model = n;
    }

    void setBrand(string n) {
        Brand = n;
    }
    void setHP(int n) {
        HP = n;
    }
    void setYOF(int n) {
        YOF = n;
    }

    string getModel() { return Model; }
    string getBrand() { return Brand; }
    int getHP() { return HP; }
    int getYOF() { return YOF; }




}

    interface main()
{
    int n;
    cout << "How many cars would you like to wnter?" << endl;
    cin >> n;
    Car my Cars[n];
    string brand, model;
    int hp, year;

    for (int i = 0; i < n; i++){
        cout << "Enter car brand: ";
        cin >> brand;
```

sketch_nov4a | Arduino IDE 2.3.6

File Edit Sketch Tools Help

Select Board

sketch_nov4a.ino

```cpp
void setup() {
  // put your setup code here, to run once:
  pinMode(LED_BUILTIN, OUTPUT);
}

void loop() {
  // put your main code here, to run repeatedly:
  digitalWrite(pin, HIGH);
  delay(1000);
  digitalWrite(pin, LOW);
  delay(1000);
  digitalWrite(pin, HIGH);
  delay(1000);
  digitalWrite(pin, LOW);
  delay(1000);
  digitalWrite(pin, HIGH);
  delay(1000);
  digitalWrite(pin, LOW);
  delay(1000);

  digitalWrite(pin, HIGH);
  delay(2000);
  digitalWrite(pin, LOW);
  delay(2000);
  digitalWrite(pin, HIGH);
  delay(2000);
  digitalWrite(pin, LOW);
  delay(2000);
  digitalWrite(pin, HIGH);
  delay(2000);
  digitalWrite(pin, LOW);
  delay(2000);

  digitalWrite(pin, HIGH);
  delay(1000);
  digitalWrite(pin, LOW);
```

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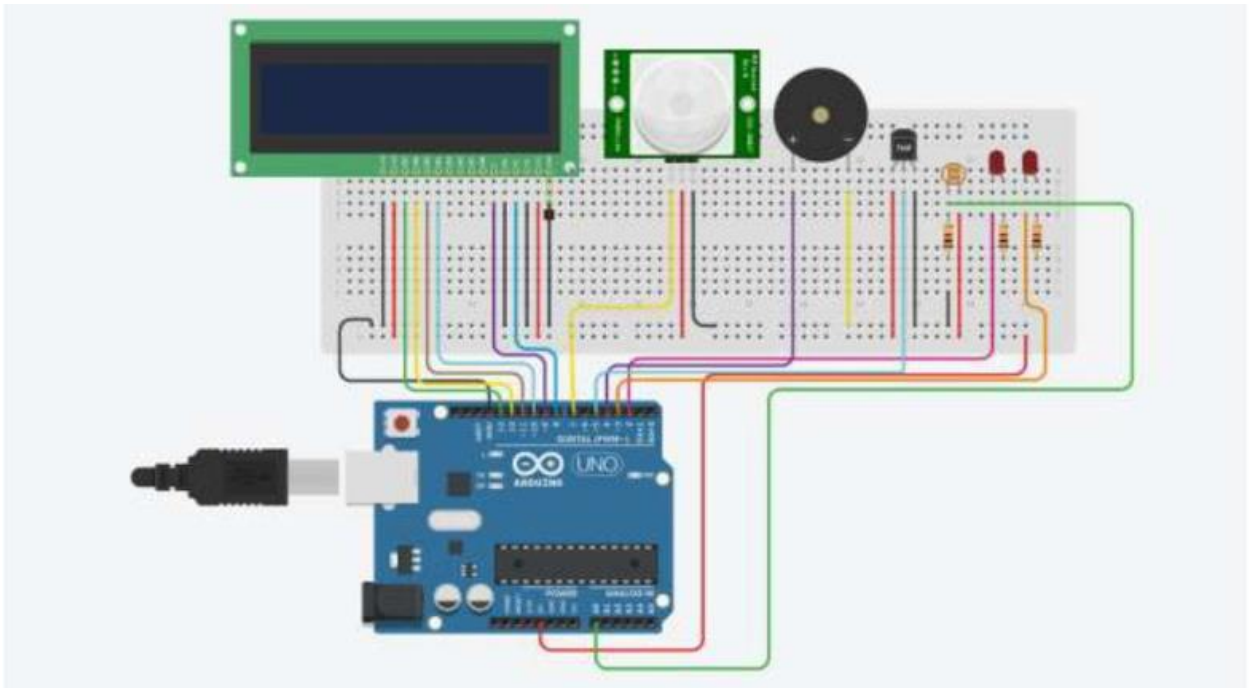
Distance_sensor.ino

```
#define PIN1 4
#define Pin2 7
#define echo 10
#define trg 9
#define buzzer 3
float distance, duration,time;
void setup() {
  Serial.begin(9600);
  pinMode(LED_BUILTIN,OUTPUT);
  pinMode(PIN1, OUTPUT);
  pinMode(Pin2, OUTPUT);
  pinMode(echo,INPUT);
  pinMode(trg,OUTPUT);
  pinMode(buzzer, OUTPUT);
}

void loop() {
    digitalWrite(trg, LOW);
  delayMicroseconds(2);
  digitalWrite(trg, HIGH);
  delayMicroseconds(10);
  digitalWrite(trg, LOW);

  duration = pulseIn(echo, HIGH);
  distance = (duration*.0343)/2;
  if(distance<90)
  time = distance*10;
  else time = distance;
  digitalWrite(PIN1,HIGH);
  delay(time);
  digitalWrite(PIN1,LOW);
  delay(time);
  if(distance<20)
  digitalWrite(Pin, HIGH);
  else digitalWrite(pin, LOW)

}
```



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