2025-1-RO01-KA121-VET-000319082

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

Beneficiary: "Gheorghe Vranceanu" National College, Bacau

Sending organization: "Ferdinand I" 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: LAZAROU ICT PROFESSIONALS

Practice tutor: Lazaros Lazarou

Participant: Stanciu Cătălin-Ionuț

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Site-ul în care am prezentat calitățile, pasiunile și abilitățile mele, evidențiind ceea ce mă definește și mă motivează. Este o reflecție asupra modului în care îmi folosesc punctele forte pentru a mă dezvolta personal și profesional.

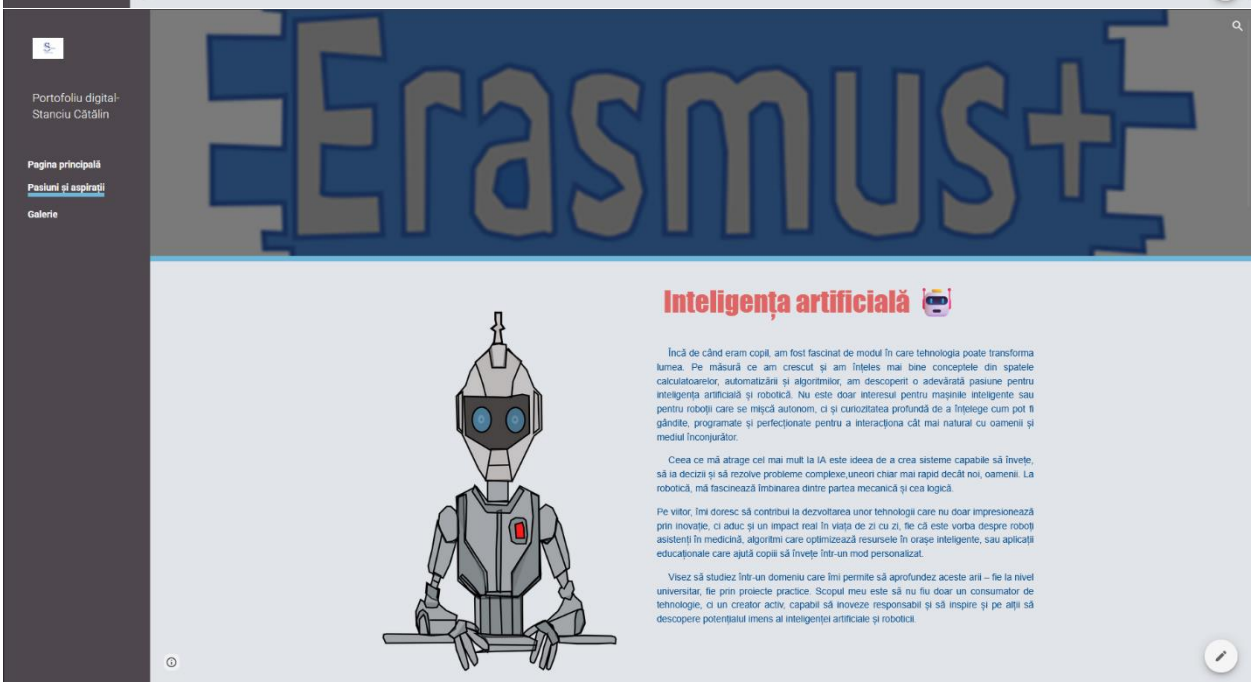


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Portofoliu digital-
Stanciu Cătălin

Pagina principală

Pasiuni și aspirații

Galerie

Fotbalul

Pentru mine, fotbalul nu este doar un joc, este o parte esențială din viața mea. De mic am fost atras de energia, dinamismul și spiritul de echipă pe care acest sport le cultivă. Indiferent că joc pe teren sau urmăresc un meci, simt mereu aceeași pasiune și dorință de implicare totală.

Prin fotbal am învățat ce înseamnă disciplina, perseverența și respectul pentru coechipieri și adversari. Este un sport care te formează nu doar fizic, ci și mental, te învață cum să câștigi cu modestie și să pierzi cu demnitate, cum să îți revii după eșecuri și să te ridici de fiecare dată mai motivat.

Aspir să continui să mă dezvolt în acest domeniu, nu neapărat ca fotbalist profesionist, ci ca om care valorifică valorile sportului în viața de zi cu zi. Cred cu tărie că fotbalul are puterea de a aduce oamenii împreună și de a inspira comunități întregi.



Portofoliu digital-
Stanciu Cătălin

Pagina principală

Pasiuni și aspirații

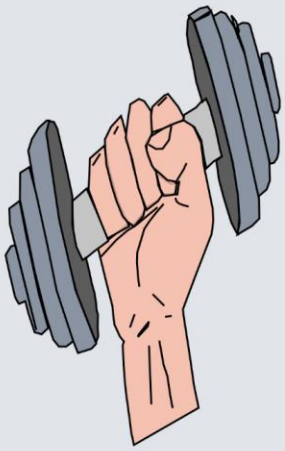
Galerie

Antrenament sportiv

De 5 luni, mersul la sală a devenit pentru mine mult mai mult decât o rutină de antrenament, este o formă de autocontrol, o provocare personală și un mod prin care îmi demonstrez că limitele pot fi depășite prin voință și consecvență. De fiecare dată când pășesc în sală, o fac cu scopul de a fi o versiune mai bună a mea, atât fizic, cât și mental.

Sala m-a învățat să am răbdare cu mine însumi, să îmi ascult corpul și să îmi respect progresul, oricât de mic ar fi. Am înțeles că rezultatele vin în timp, dar mai ales că adevărata transformare începe în minte. Prin antrenamente regulate, alimentație echilibrată și o mentalitate pozitivă, am reușit să-mi formez obiceiuri sănătoase și să-mi cresc încrederea în forțele proprii.

Pe viitor, mi-ar plăcea să-i inspir și pe alții să înceapă un stil de viață activ, să își atingă obiectivele și să realizeze cât de mult pot câștiga prin grijă față de propriul corp.



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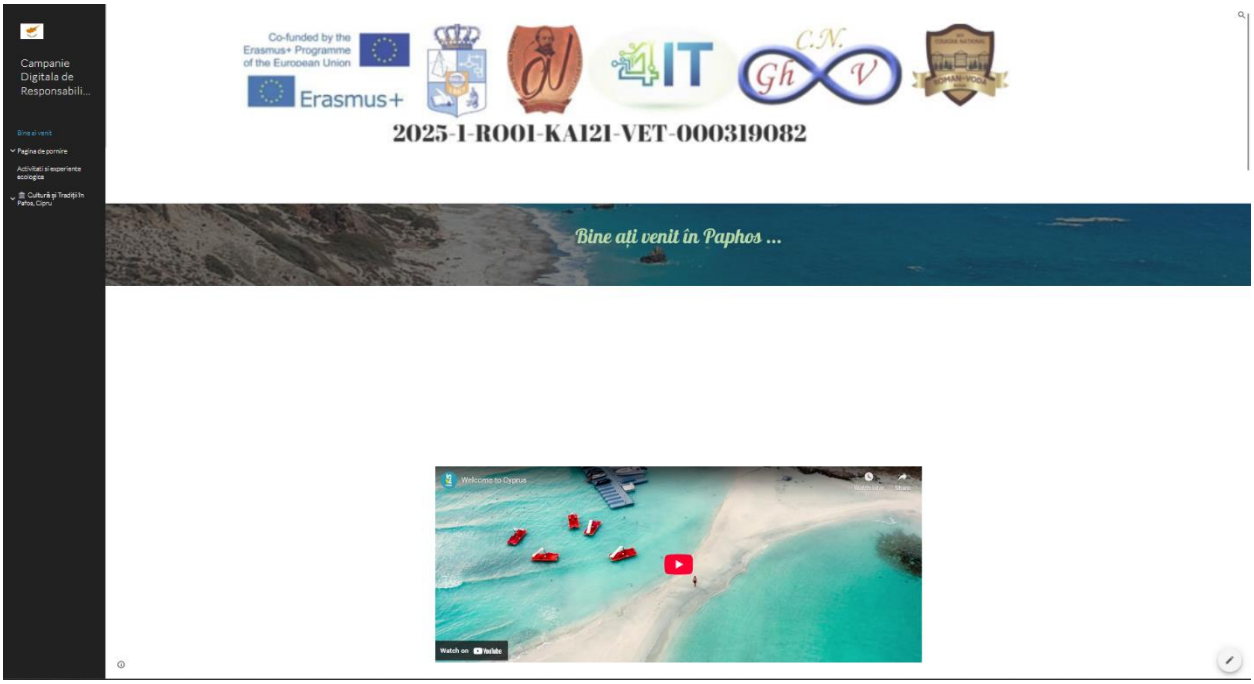




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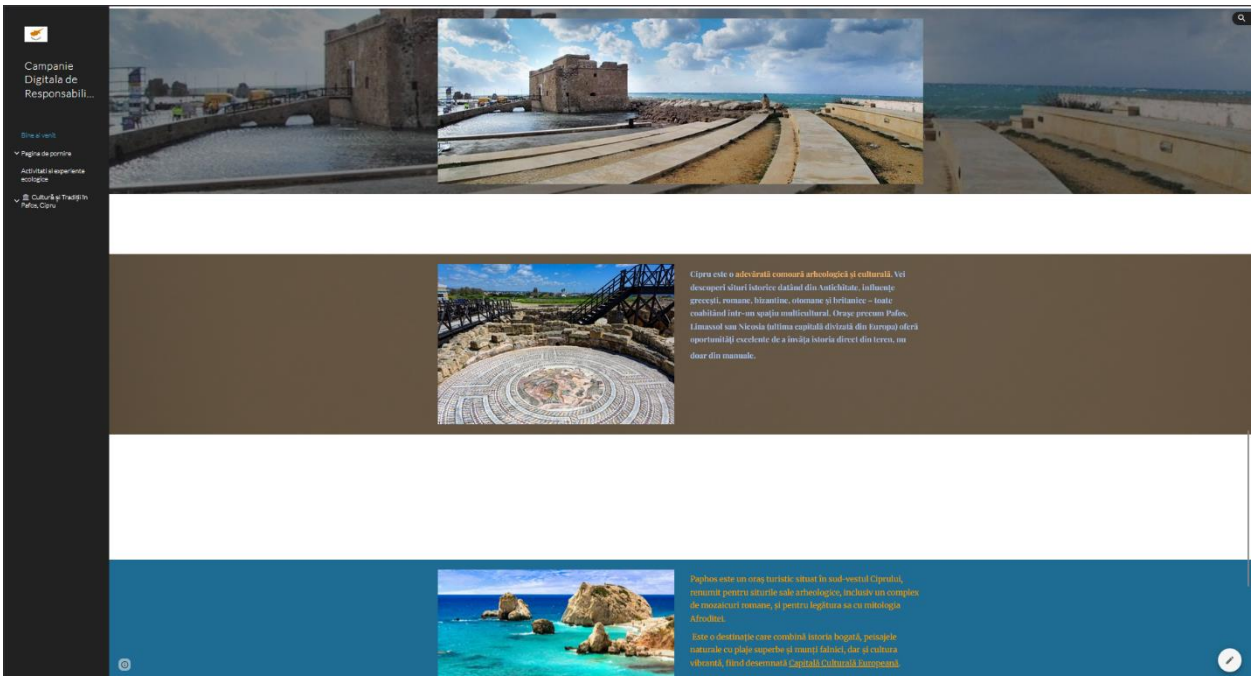
În acest site pentru pregătirea culturală am prezentat Ciprul, în special orașul Paphos, un loc plin de istorie și frumusețe. Am vorbit despre principalele atracții turistice, cultura locală și motivele pentru care acest oraș este o destinație deosebită pentru orice vizitator.



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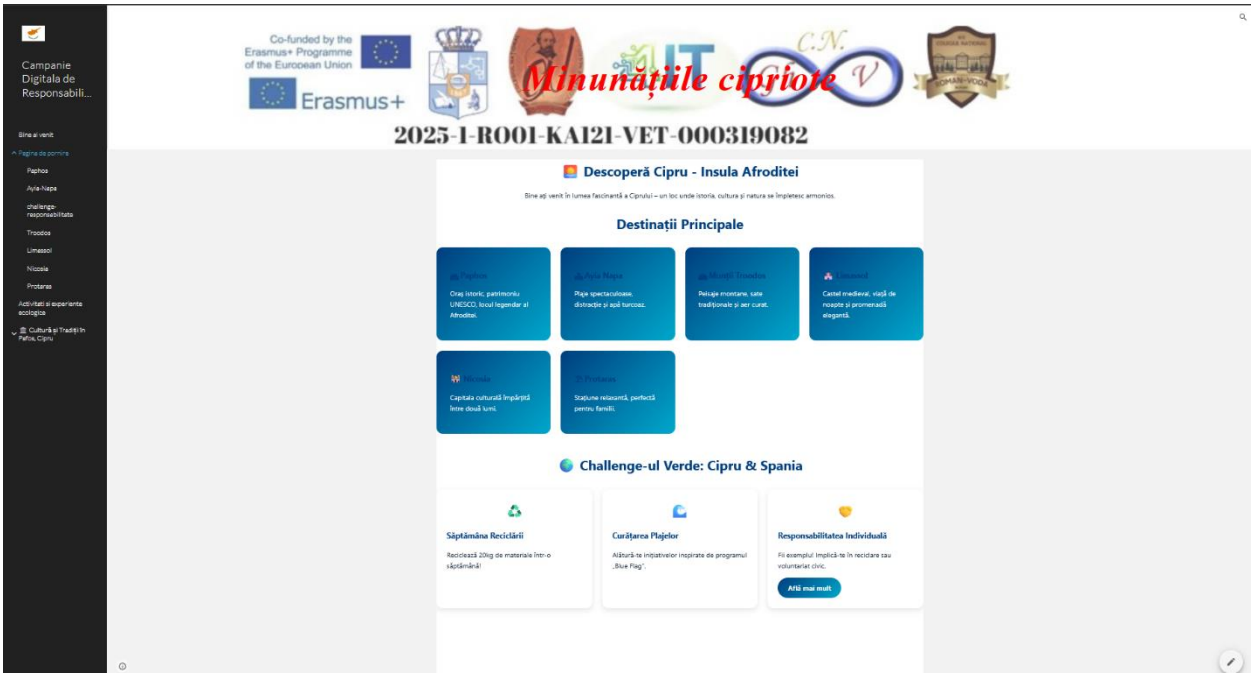
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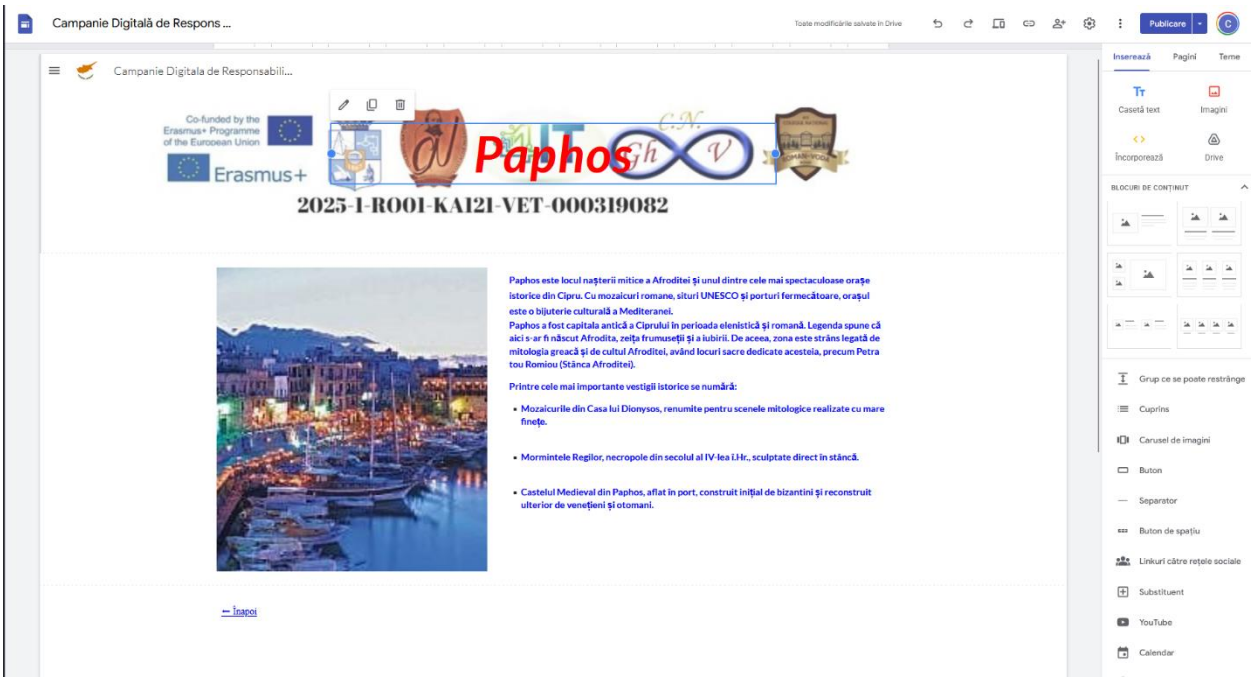




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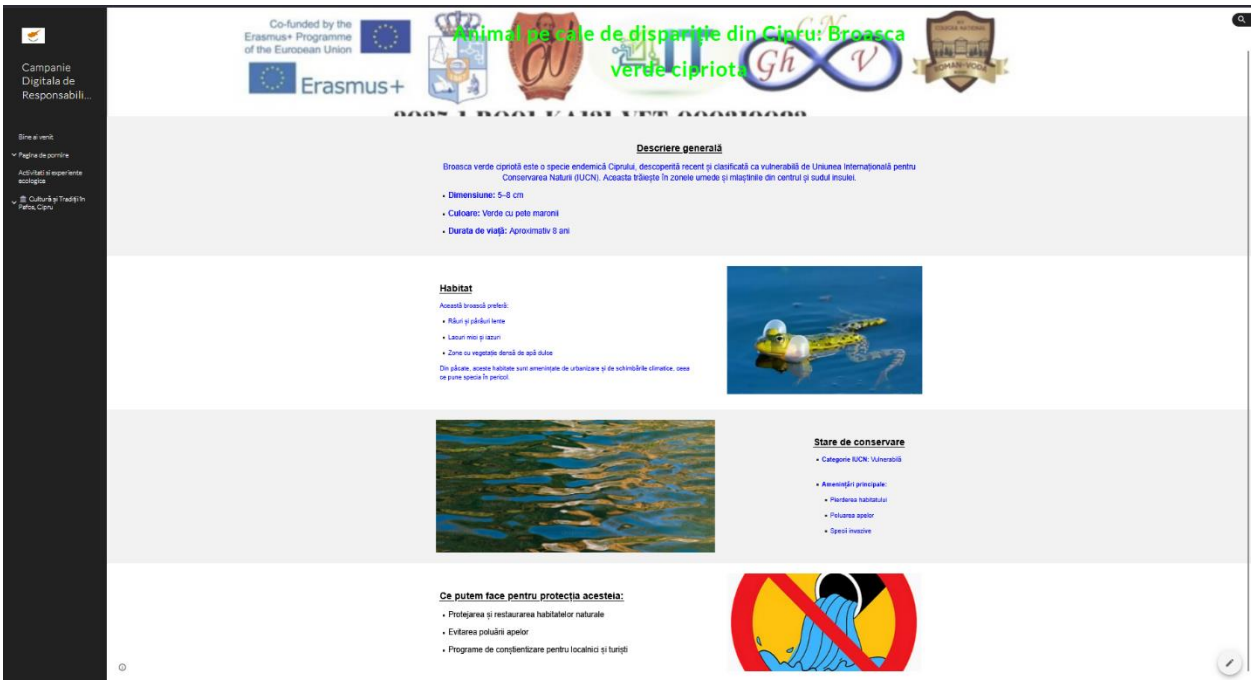




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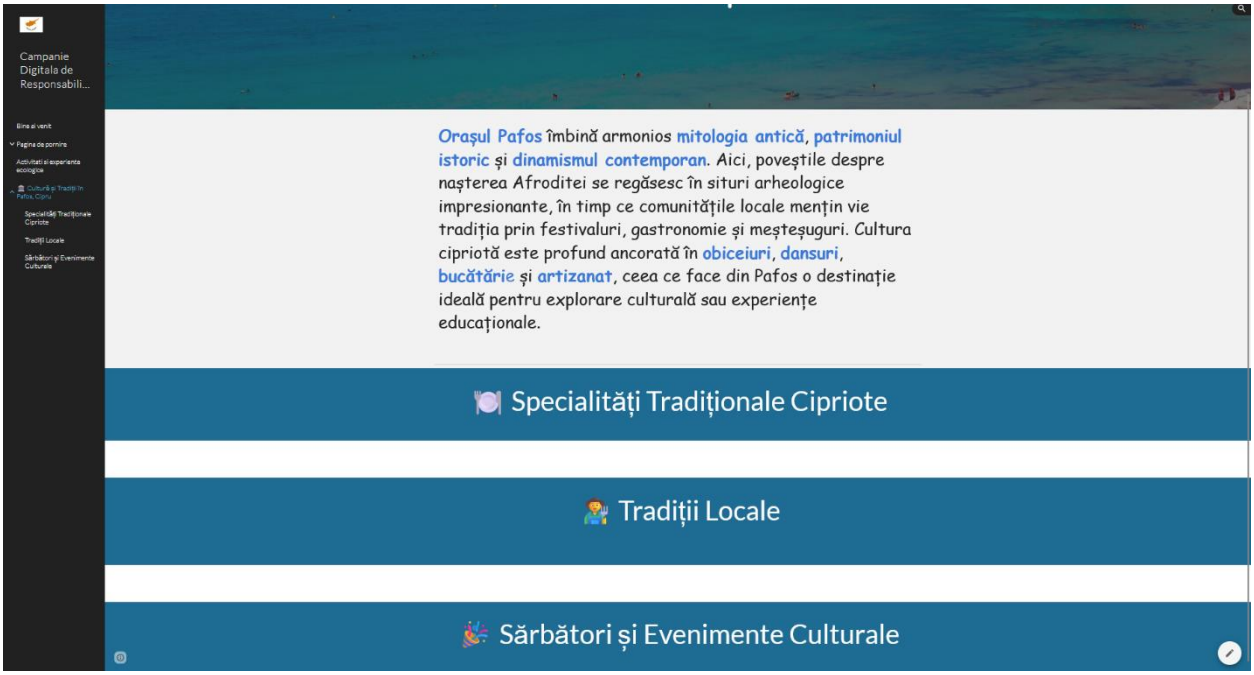


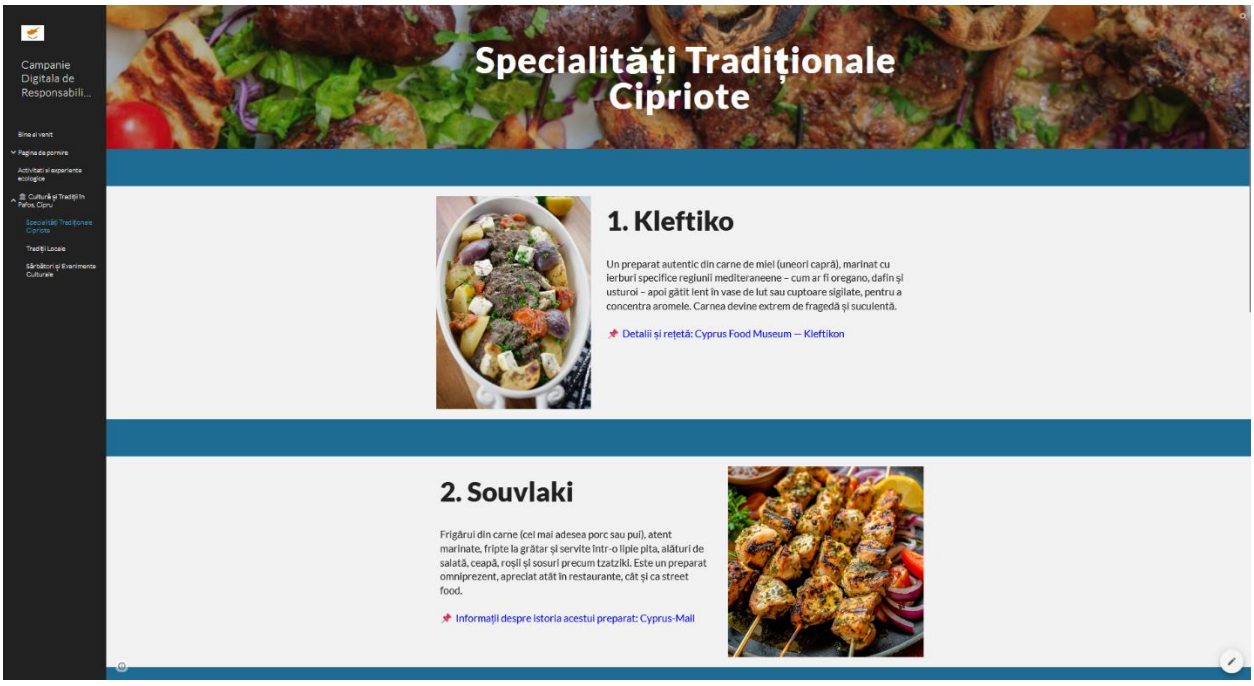
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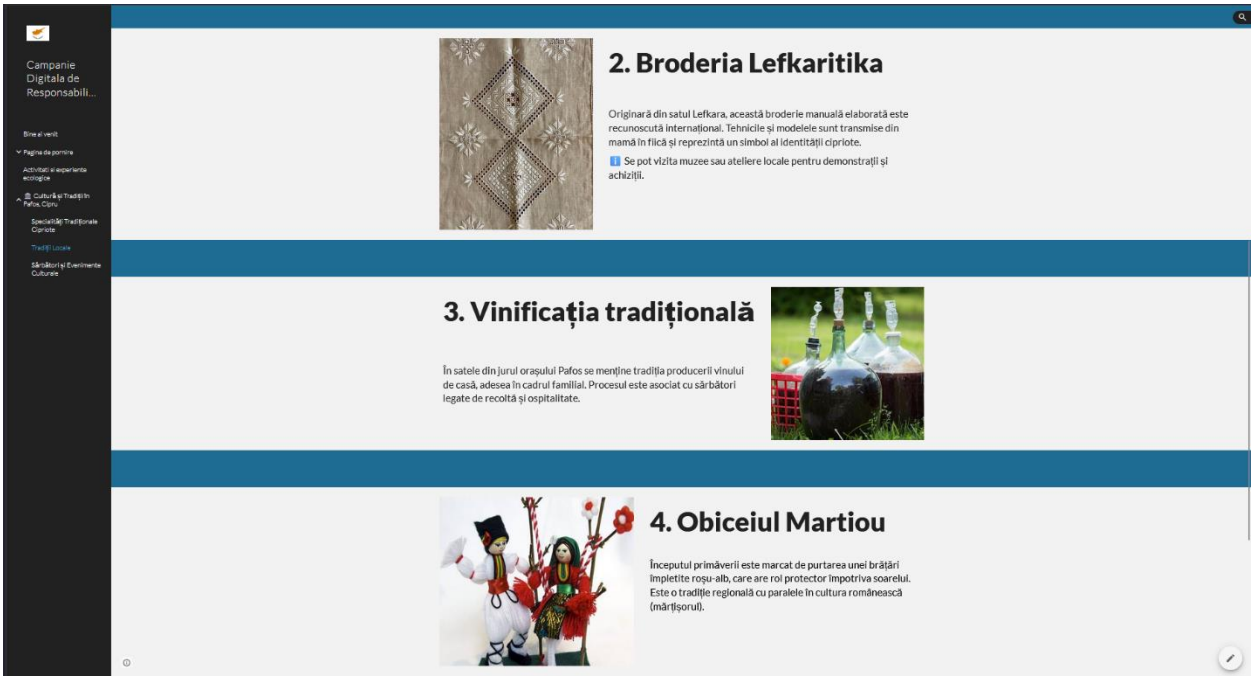
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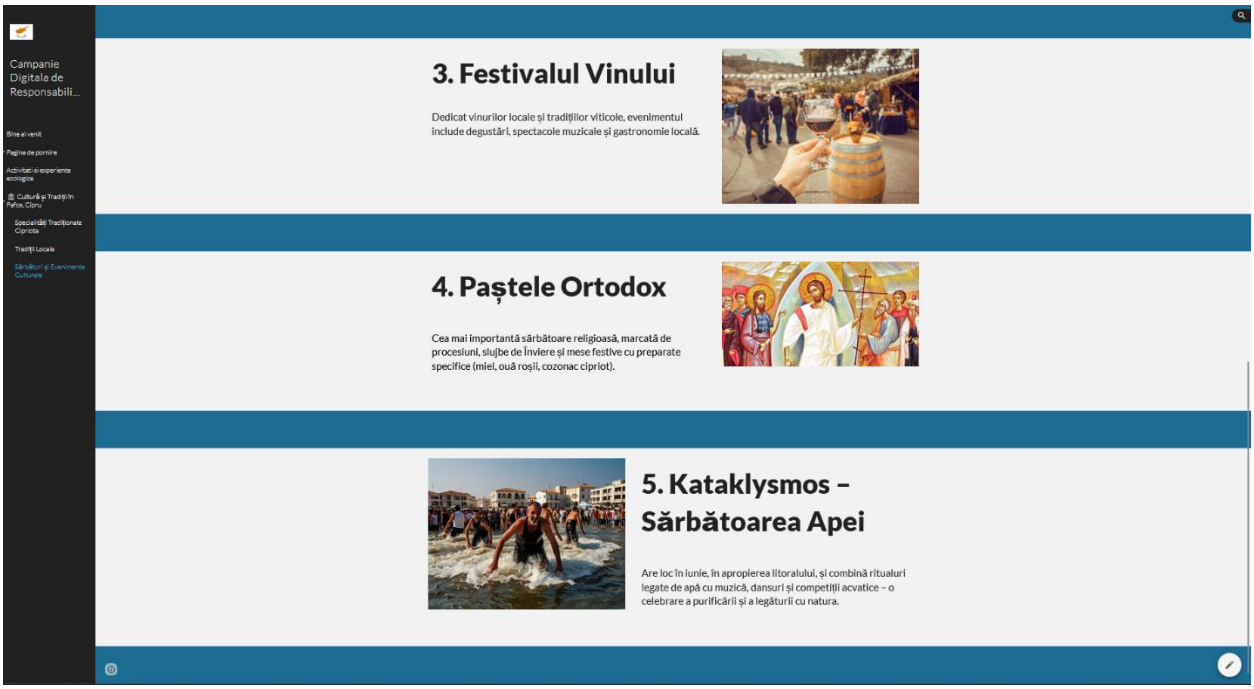




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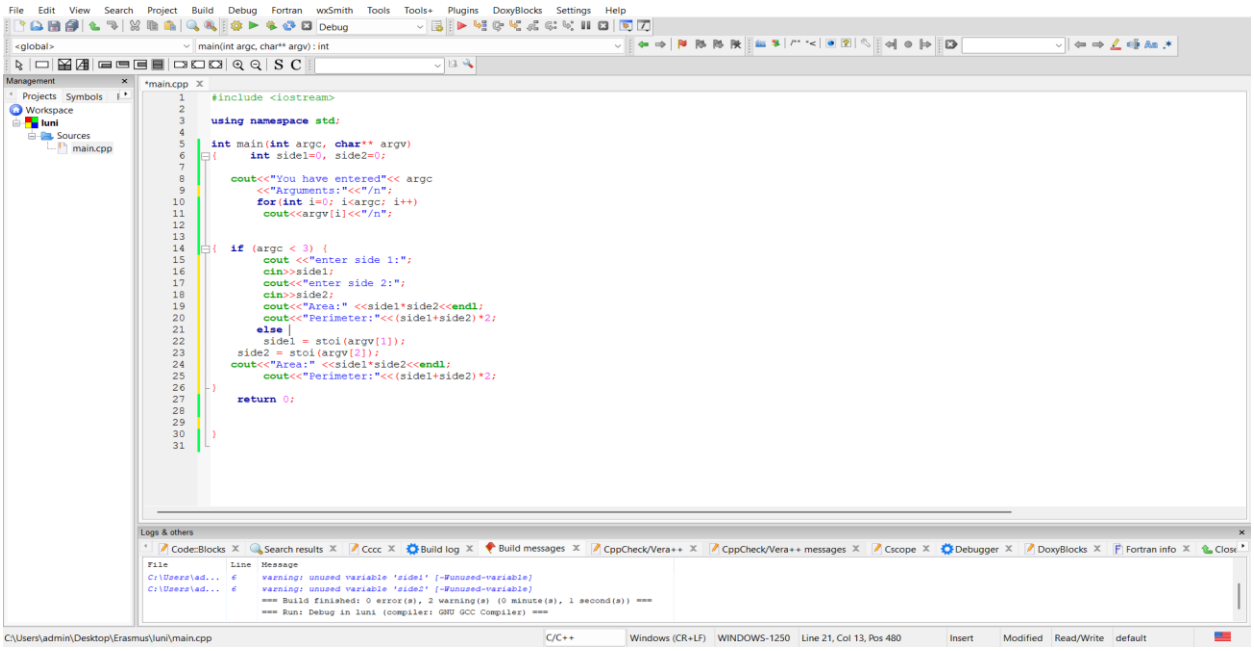
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Practică:

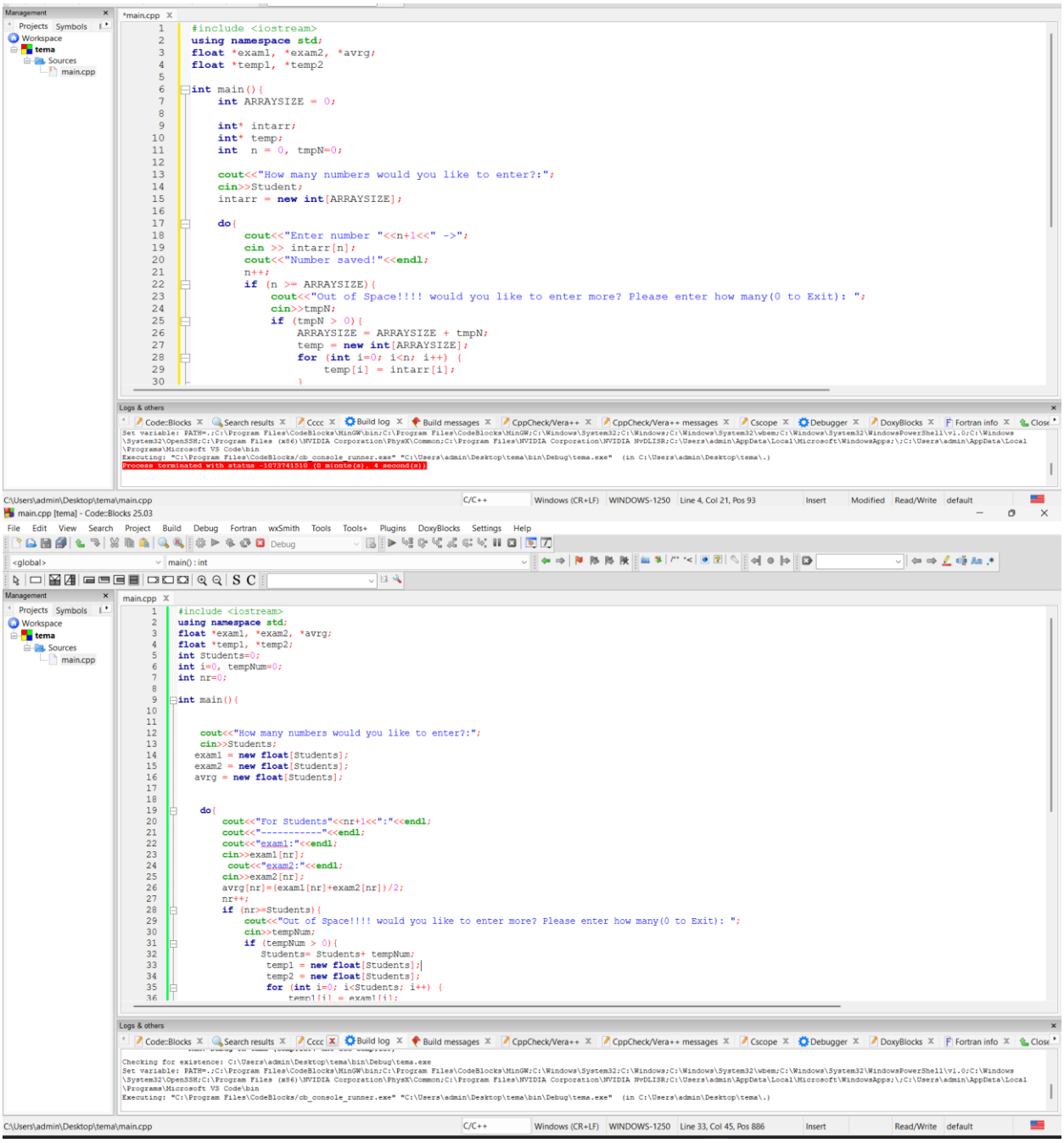
De asemenea, coordonat de profesorul Lazaros, am învățat în C++ concepte importante precum arrays, dynamic arrays și pointers, care m-au ajutat să înțeleg mai bine modul în care sunt gestionate datele și memoria într-un program.



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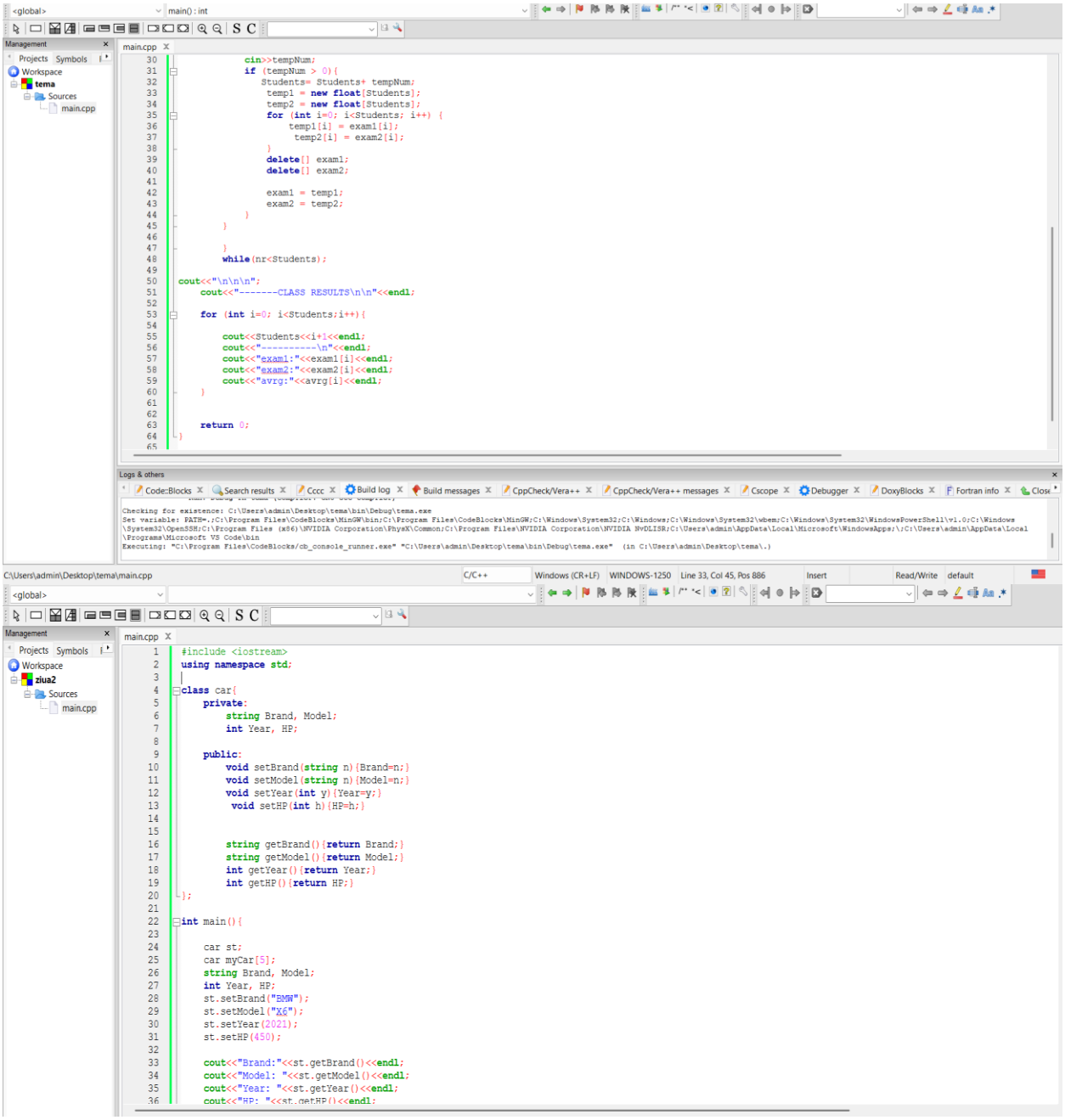
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```
cin>>tempNum;
if (tempNum > 0){
    Students= Students+ tempNum;
    temp1 = new float[Students];
    temp2 = new float[Students];
    for (int i=0; i<Students; i++) {
        temp1[i] = exam1[i];
        temp2[i] = exam2[i];
    }
    delete[] exam1;
    delete[] exam2;

    exam1 = temp1;
    exam2 = temp2;
}
}
}
while(nr<Students);

cout<<"\n\n\n";
    cout<<"-------CLASS RESULTS\n\n"<<endl;

    for (int i=0; i<Students;i++){

        cout<<Students<<i+1<<endl;
        cout<<"----------\n"<<endl;
        cout<<"exam1:"<<exam1[i]<<endl;
        cout<<"exam2:"<<exam2[i]<<endl;
        cout<<"avrg:"<<avrg[i]<<endl;
    }


    return 0;
}
```

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

class car{
    private:
        string Brand, Model;
        int Year, HP;

    public:
        void setBrand(string n){Brand=n;}
        void setModel(string n){Model=n;}
        void setYear(int y){Year=y;}
         void setHP(int h){HP=h;}


        string getBrand(){return Brand;}
        string getModel(){return Model;}
        int getYear(){return Year;}
        int getHP(){return HP;}
};

int main(){

    car st;
    car myCar[5];
    string Brand, Model;
    int Year, HP;
    st.setBrand("BMW");
    st.setModel("X6");
    st.setYear(2021);
    st.setHP(450);

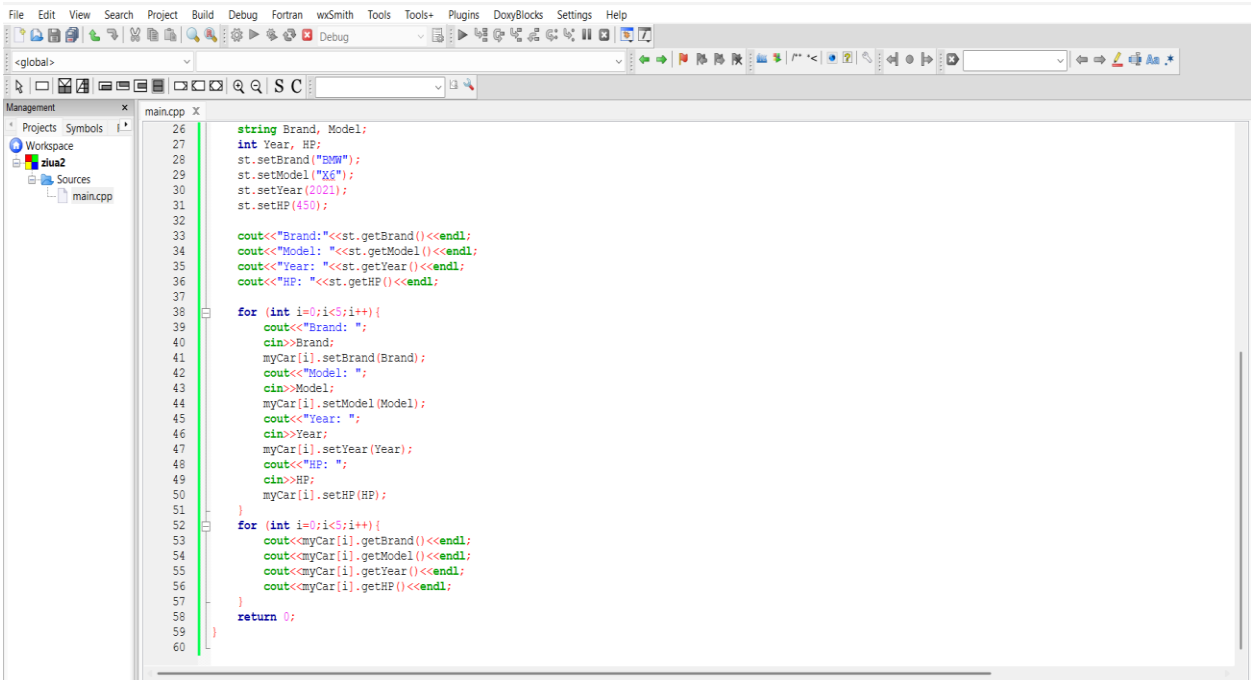
    cout<<"Brand:"<<st.getBrand()<<endl;
    cout<<"Model: "<<st.getModel()<<endl;
    cout<<"Year: "<<st.getYear()<<endl;
    cout<<"HP: "<<st.getHP()<<endl;
```

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    st.setYear(2021);
    st.setHP(450);

    cout<<"Brand:"<<st.getBrand()<<endl;
    cout<<"Model: "<<st.getModel()<<endl;
    cout<<"Year: "<<st.getYear()<<endl;
    cout<<"HP: "<<st.getHP()<<endl;

    for (int i=0;i<5;i++){
        cout<<"Brand: ";
        cin>>Brand;
        myCar[i].setBrand(Brand);
        cout<<"Model: ";
        cin>>Model;
        myCar[i].setModel(Model);
        cout<<"Year: ";
        cin>>Year;
        myCar[i].setYear(Year);
        cout<<"HP: ";
        cin>>HP;
        myCar[i].setHP(HP);
    }
    for (int i=0;i<5;i++){
        cout<<myCar[i].getBrand()<<endl;
        cout<<myCar[i].getModel()<<endl;
        cout<<myCar[i].getYear()<<endl;
        cout<<myCar[i].getHP()<<endl;
    }
    return 0;
}
```

În cadrul orelor de Arduino, am învățat să evaluăm distanța măsurată de un senzor și să realizăm semnalul SOS folosind beculețe LED. Aceste activități m-au ajutat să înțeleg mai bine legătura dintre programare și componentele hardware.

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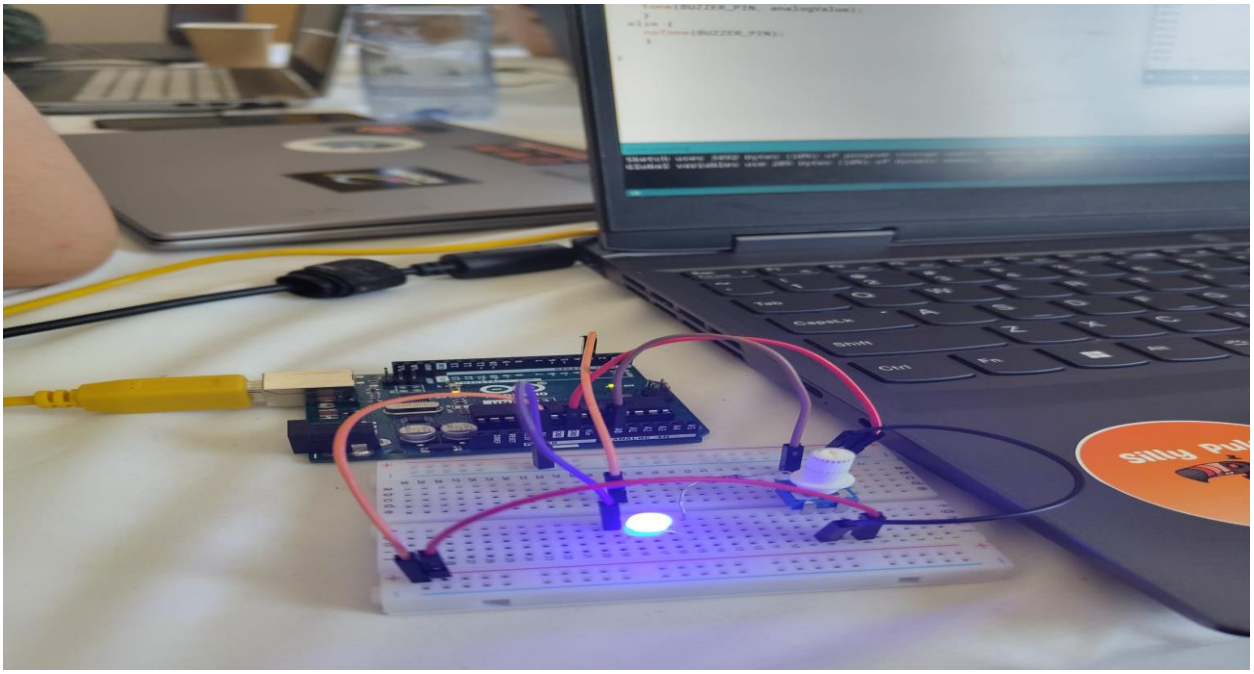


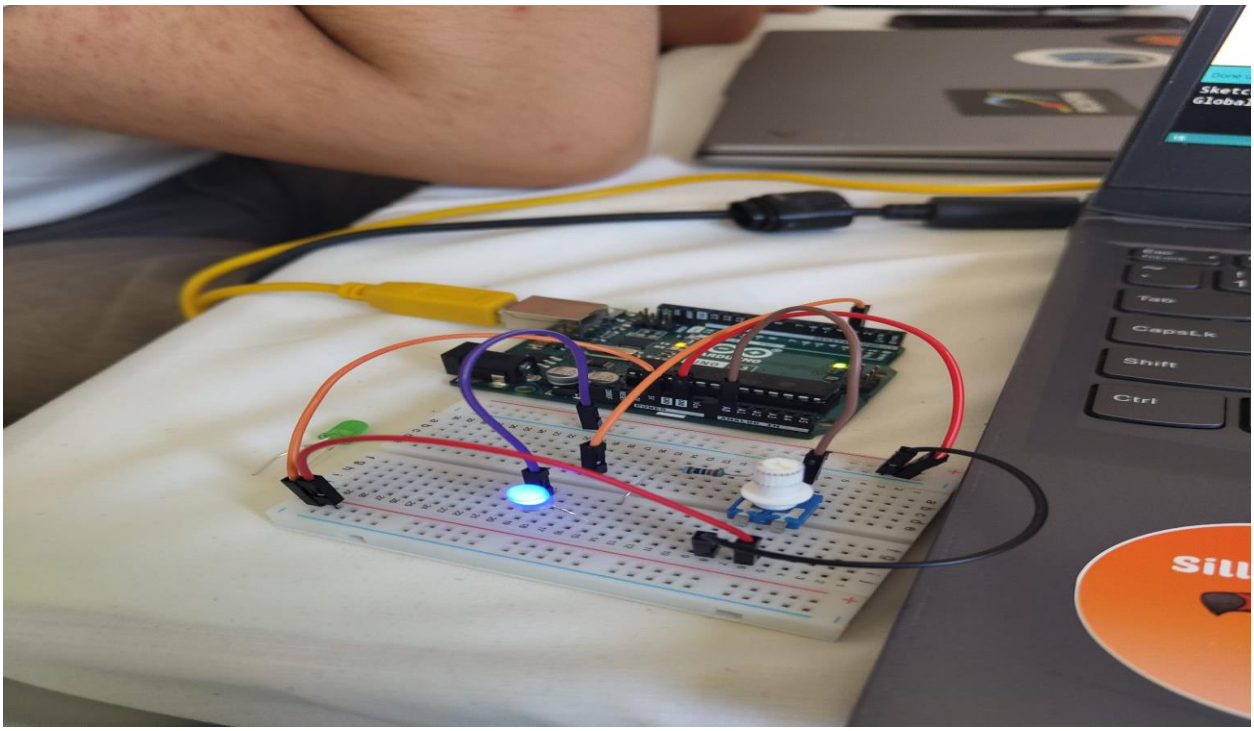
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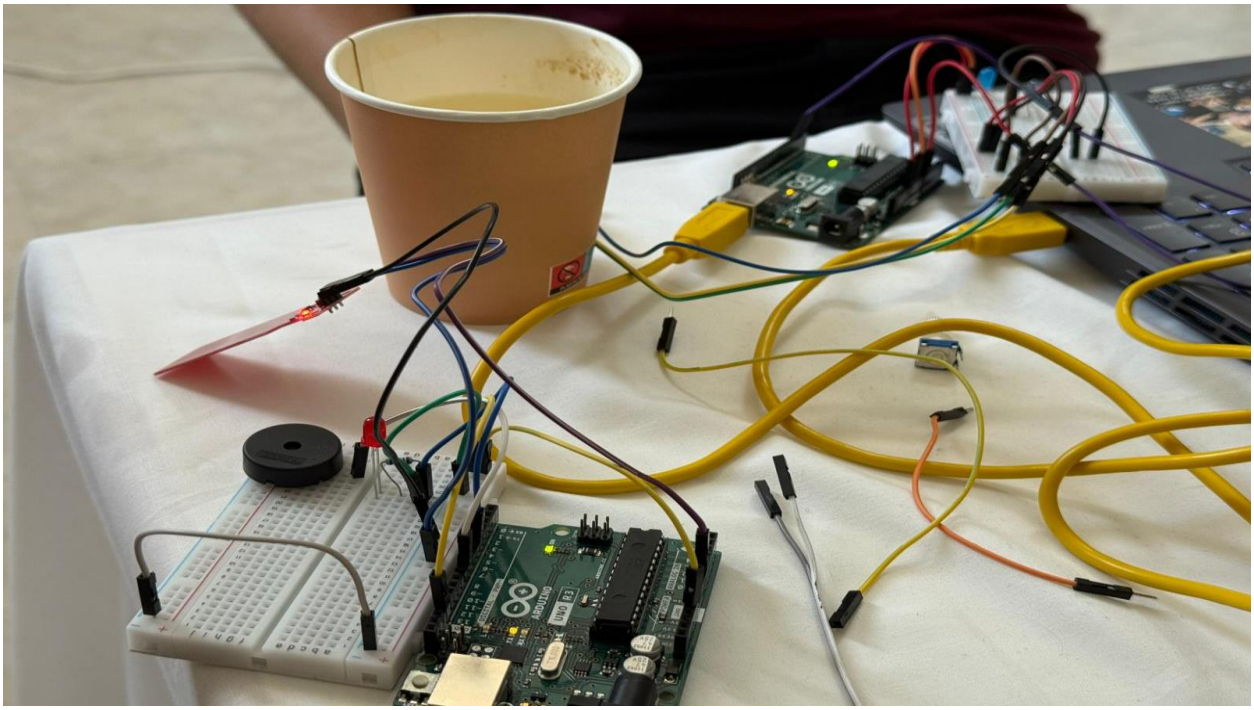


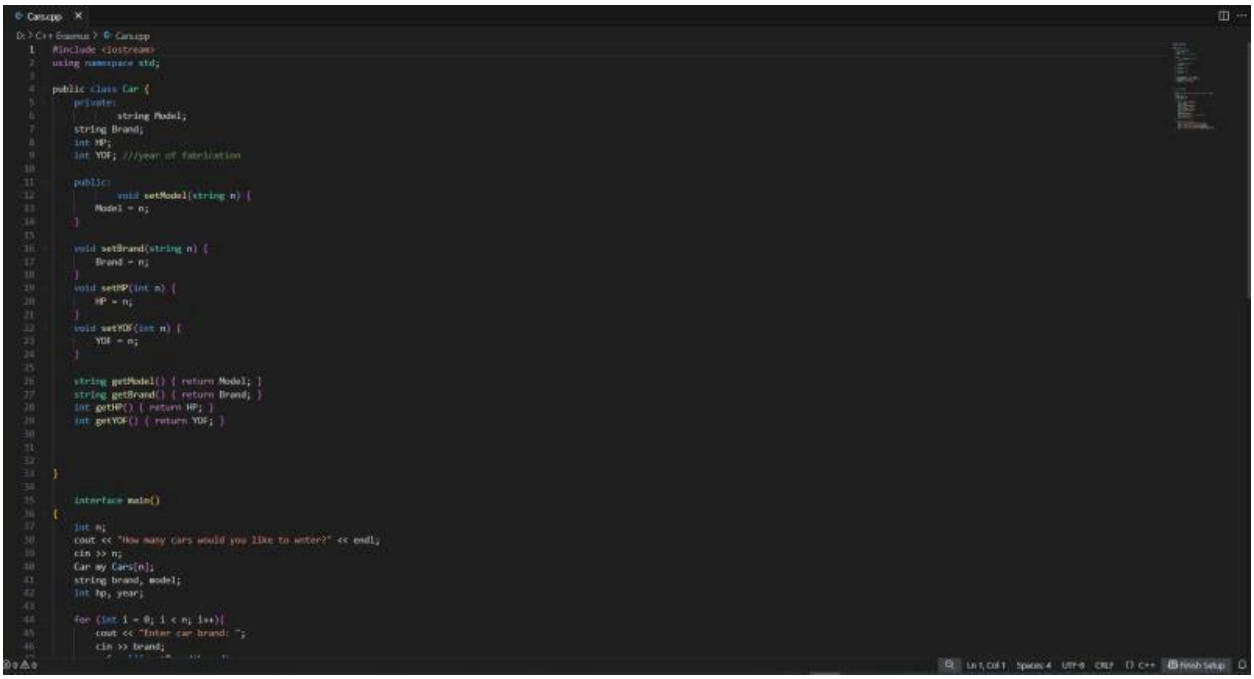
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```
Carscpp
D: > C++ Erasmus > Carscpp
#include <iostream>
using namespace std;

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 enter?" << 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;
```

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```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;

            }
        }

    }

}
```

Distance_sensor.ino

```cpp
#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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