2025-1-RO01-KA121-VET-000319082

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

Beneficiary: "Gheorghe Vranceanu" National College, Bacau

Sending organization: "Gheorghe Vranceanu" National College, Bacau

MOBILITY PORTFOLIO

Valencia, Spain

Mobility period 24.10.2025- 06.11.2025 Practice period: 25.10.2025-05.11.2025

RECEIVING COMPANY: COMPACSERVER S.L.

Practice tutor: Joel Gómez Padial

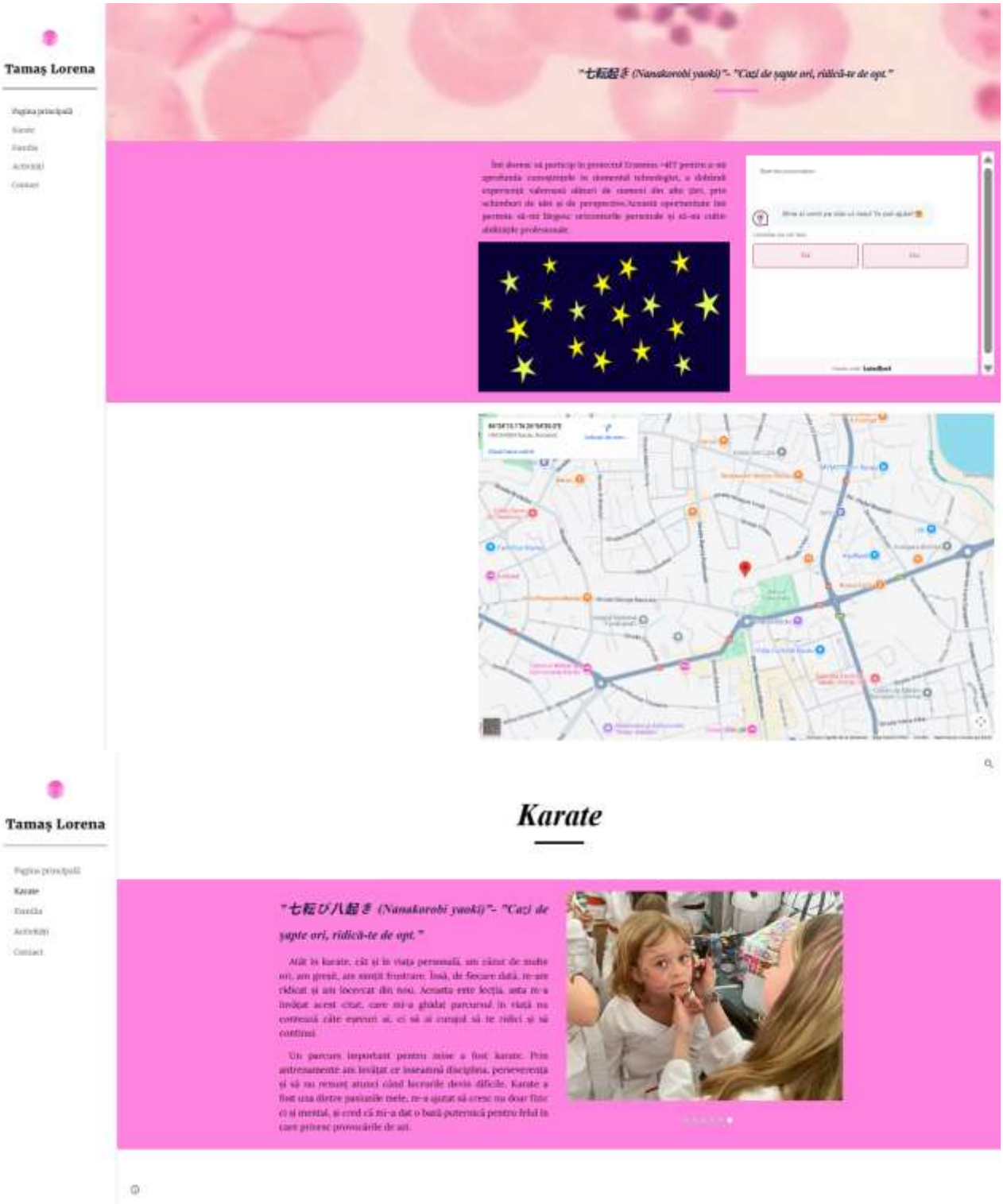
Participant: Tamaş Lorena-Mihaela

Sectiunea 1:

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Co-funded by the Erasmus+ Programme of the European Union

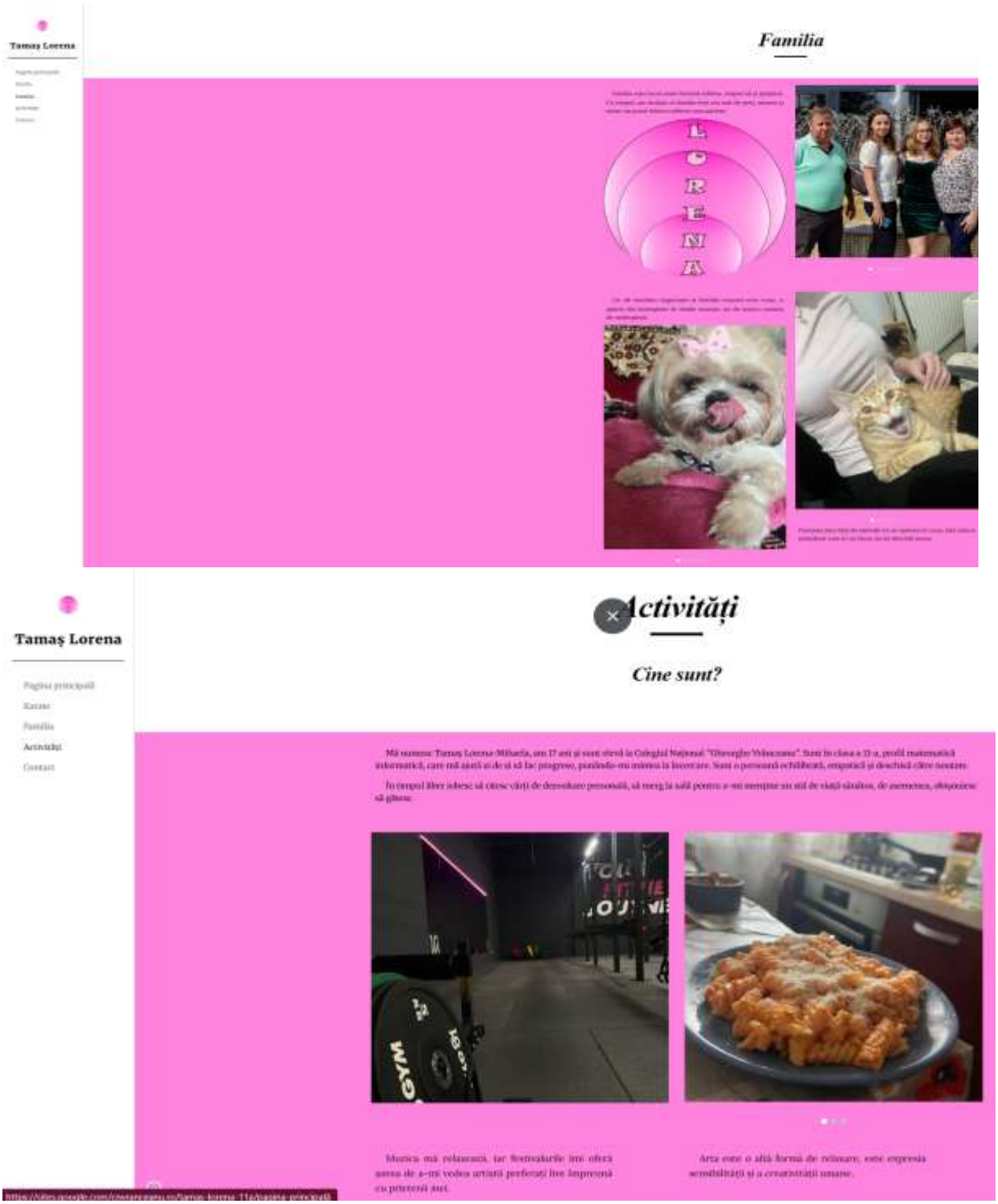
2025-1-RO01-KA121-VET-000319082



DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Co-funded by the Erasmus+ Programme of the European Union

2025-1-RO01-KA121-VET-000319082



DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Co-funded by the Erasmus+ Programme of the European Union
Erasmus+
2025-1-RO01-KA121-VET-000319082



Pregătire culturală:

1)Comportament sustenabil și protecția mediului:

a) Reducerea deșeurilor:

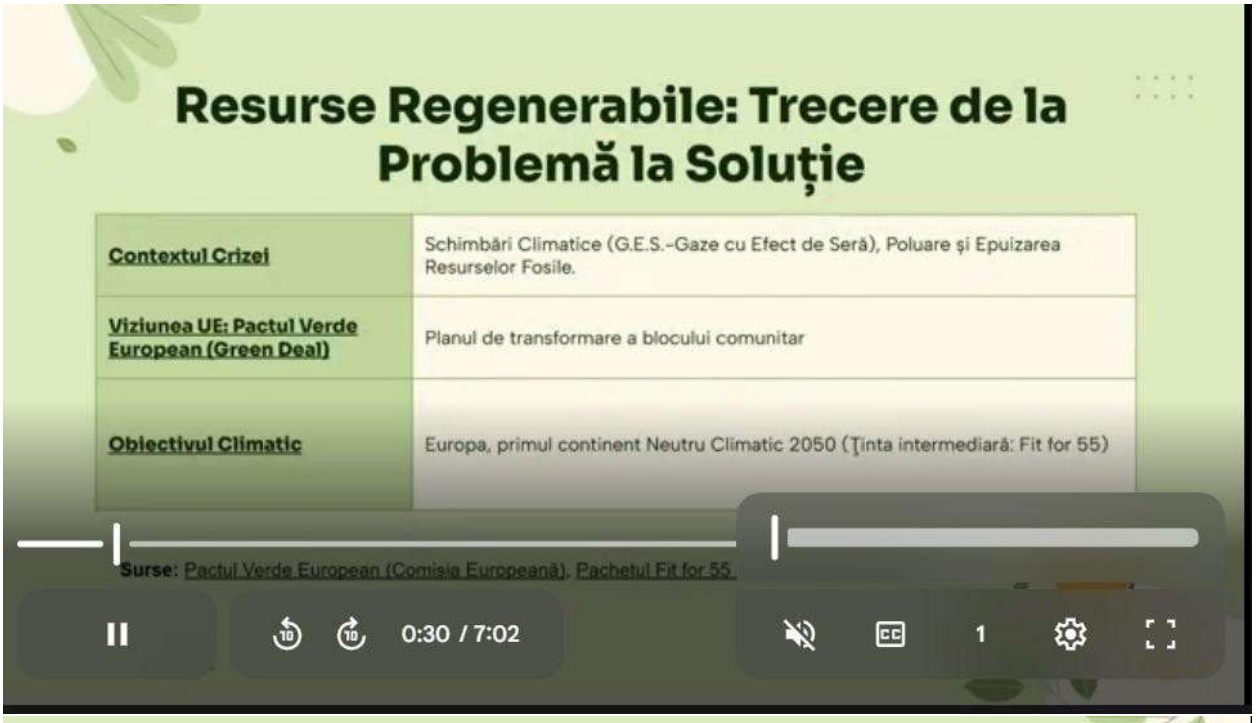
DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





1b) utilizarea resurselor regenereabile:

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





2)Competențe cheie Europene:

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





3)Valencia - prezentare generală:

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

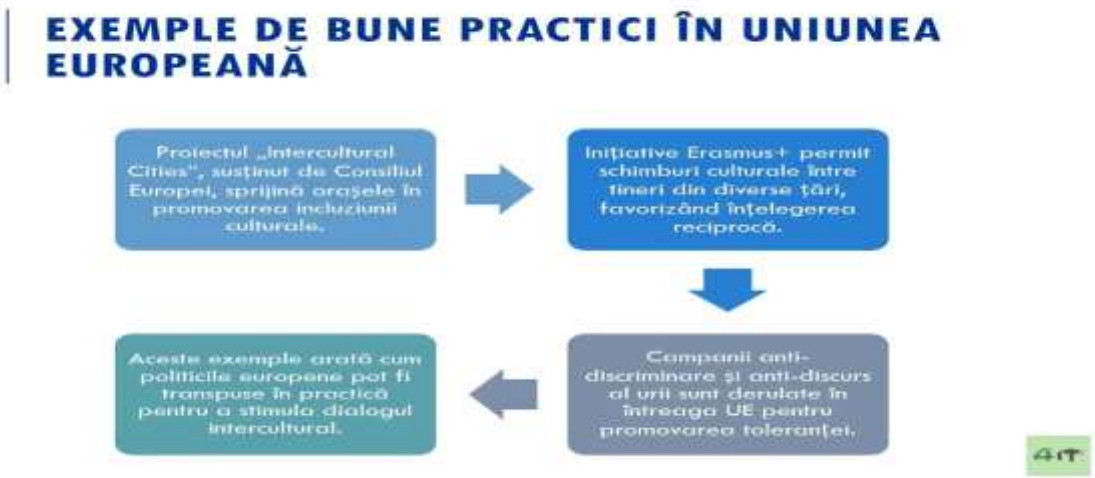




4)Diversitatea Culturală și Combaterea Discriminării:

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

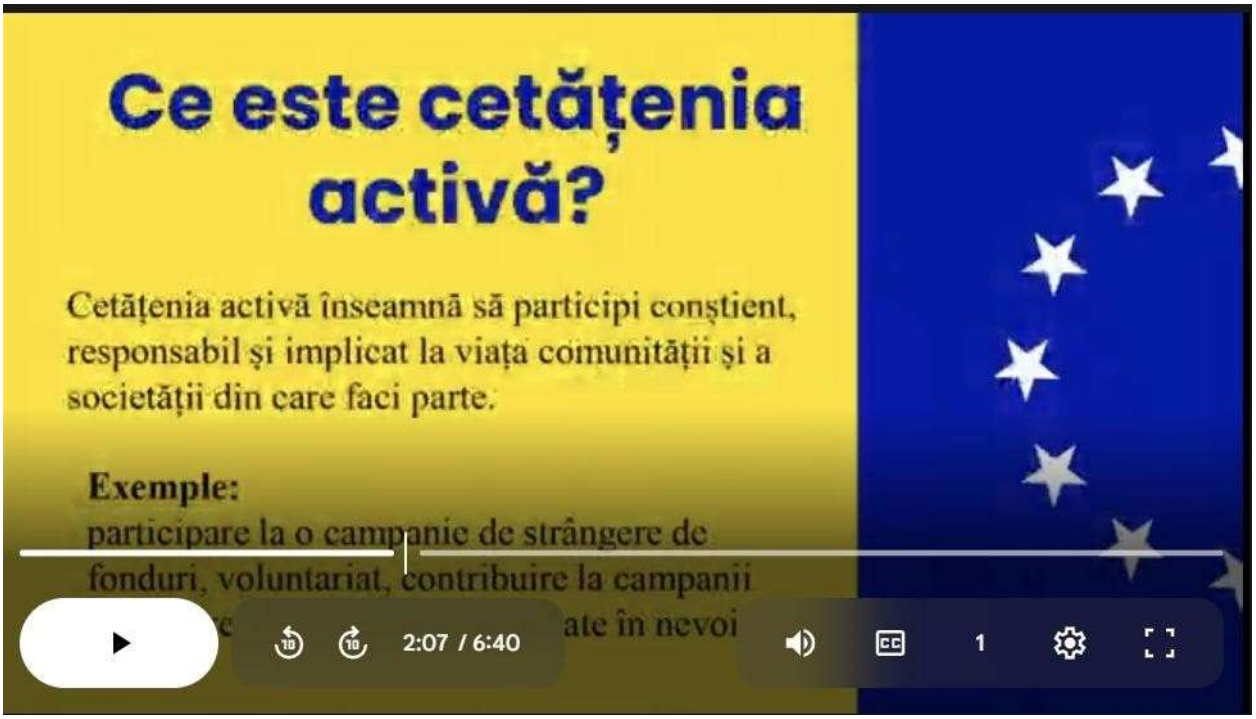




5)Valori europene, cetatenie activa si implicare democratica:

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.





6)Dezvoltare durabila si antreprenoriat: economia circulara:

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



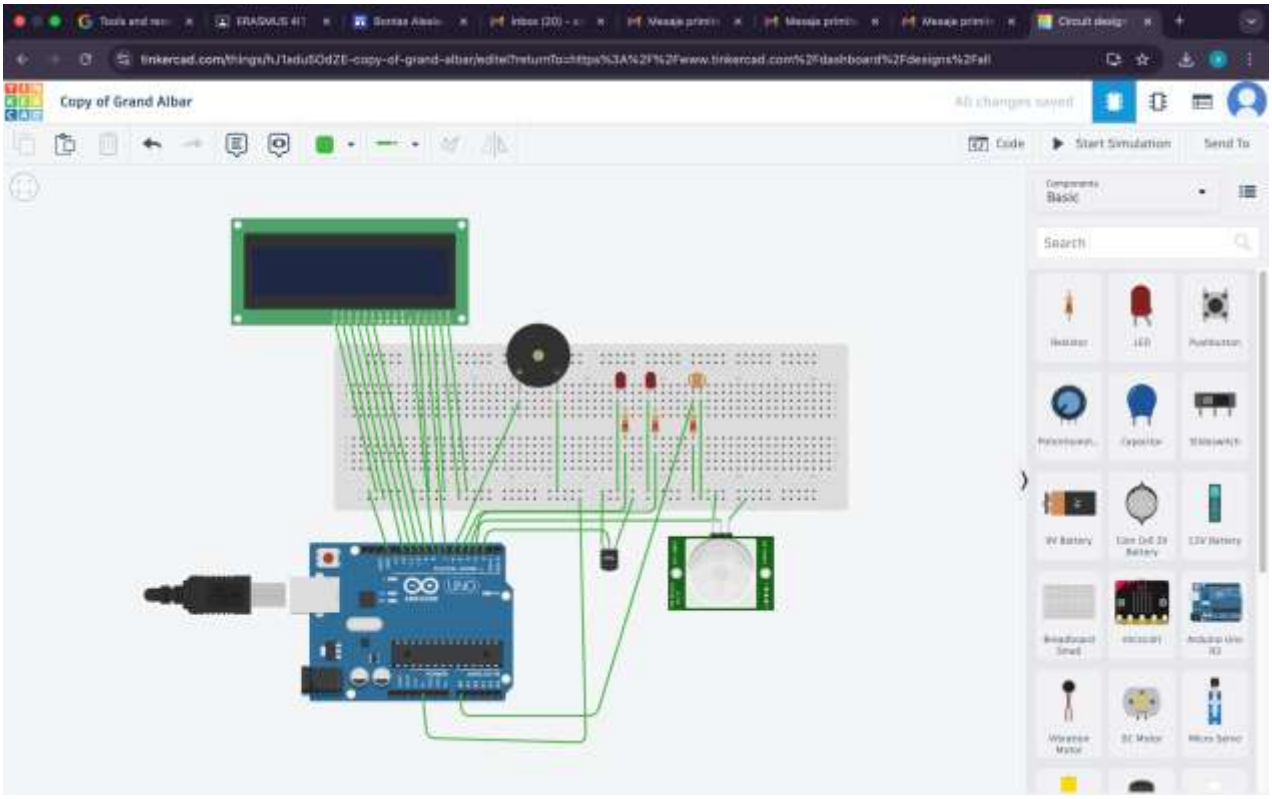
Sectiunea 2:Home station Controle

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Co-funded by the Erasmus+ Programme of the European Union

Erasmus+

2025-1-RO01-KA121-VET-000319082





DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Co-funded by the Erasmus+ Programme of the European Union

Erasmus+

2025-1-RO01-KA121-VET-000319082



```
pinMode(PIN6, OUTPUT);
pinMode(PIN5, OUTPUT);
pinMode(PIN3, OUTPUT);
pinMode(LED1, OUTPUT);
pinMode(LED2, OUTPUT);
pinMode(buzz, OUTPUT);
pinMode(PIR, INPUT);
pinMode(LDR, INPUT);
pinMode(sensor, INPUT);
lcd.begin(16,2);
}

void loop() {
  ExistAlarm = false;
  AlarmfromTemp = false;
  AlarmfromHum = false;
  AlarmfromLight = false;
  AlarmfromPresence = false;

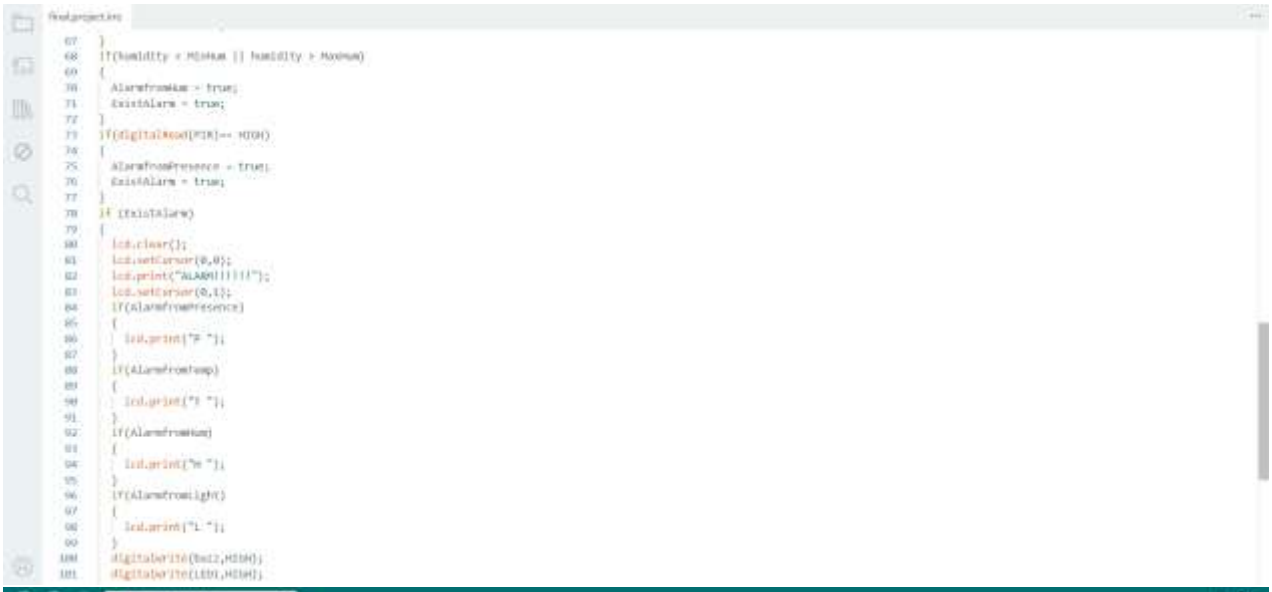
int Value = analogRead(LDR);
int ConValue = map(Value, 0 , 1023, 100, 0);
if(ConValue < MinLight || ConValue > MaxLight)
{
  AlarmfromLight = true;
  ExistAlarm = true;
}
byte temperature = 0;
byte humidity = 0;
byte data[40] = {0};
DHT.read(sensor, &temperature, &humidity, data);
if(temperature < MinTemp || temperature > MaxTemp)
{
  AlarmfromTemp = true;
  ExistAlarm = true;
}
```

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

Co-funded by the Erasmus+ Programme of the European Union

Erasmus+

2025-1-RO01-KA121-VET-000319082



```
  }
  if(humidity < Minimum || humidity > Maximum)
  {
    AlarmfromHum = true;
    ExistAlarm = true;
  }
  if(digitalRead(PIR)== HIGH)
  {
    AlarmfromPresence = true;
    ExistAlarm = true;
  }
  if (ExistAlarm)
  {
    lcd.clear();
    lcd.setCursor(0,0);
    lcd.print("ALARM!!!!!!");
    lcd.setCursor(0,1);
    if(AlarmfromPresence)
    {
      lcd.print("P ");
    }
    if(AlarmfromTemp)
    {
      lcd.print("T ");
    }
    if(AlarmfromHum)
    {
      lcd.print("H ");
    }
    if(AlarmfromLight)
    {
      lcd.print("L ");
    }
    digitalWrite(Buzz,HIGH);
    digitalWrite(LED1,HIGH);
```



```
    }
    if(AlarmfromHum)
    {
      lcd.print("H ");
    }
    if(AlarmfromLight)
    {
      lcd.print("L ");
    }
    digitalWrite(Buzz,HIGH);
    digitalWrite(LED1,HIGH);
    digitalWrite(LED2, HIGH);
    delay(1000);
  }
  else
  {
    digitalWrite(Buzz,LOW);
    digitalWrite(LED1,LOW);
    digitalWrite(LED2, LOW);
    lcd.clear();
    lcd.setCursor(0,0);
    lcd.print("L: ");
    lcd.print(Lumvalue);
    lcd.print(" % ");
    lcd.print("H: ");
    lcd.print(Humidity);
    lcd.print(" % ");
    lcd.setCursor(0,1);
    lcd.print("T: ");
    lcd.print(temperature);
    lcd.print(" *C ");
    lcd.print(" No P");
    delay(1000);
  }
}
```

DISCLAIMER: The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.