

4IT Erasmus+Project 2024-1-RO01-KA121-VET-000214264
Beneficiary Colegiul National Gheorghe Vranceanu, Bacau, Romania

Sending organization: Colegiul National ”Ferdinand” Bacau, Romania

MOBILITY PORTFOLIO
Paphos, Cyprus

Mobility period:
PAPHOS, CYPRUS, 13.04.2025-27.04.2025 – practice period 14.04.2025-25.04.2025

Receiving

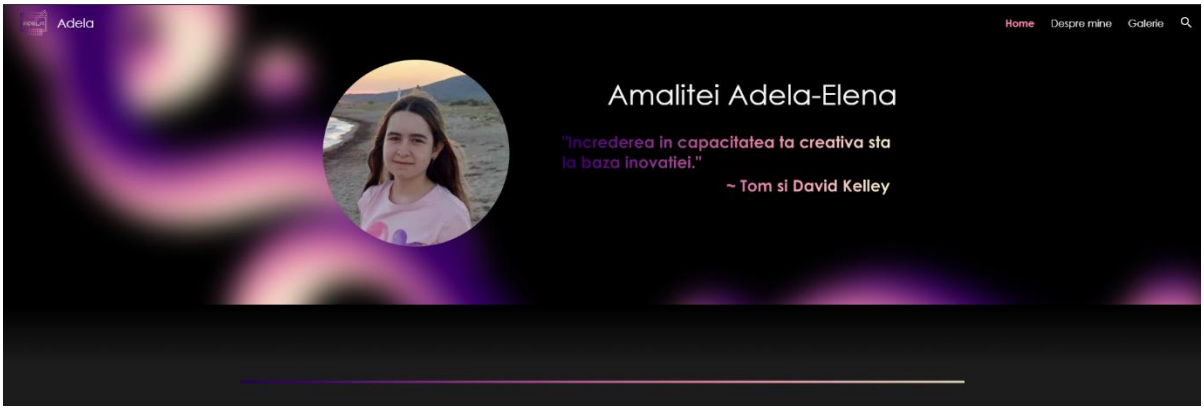
Practice tutor: Lazaros Lazarou

Participant: AMALITEI ADELA-ELENA

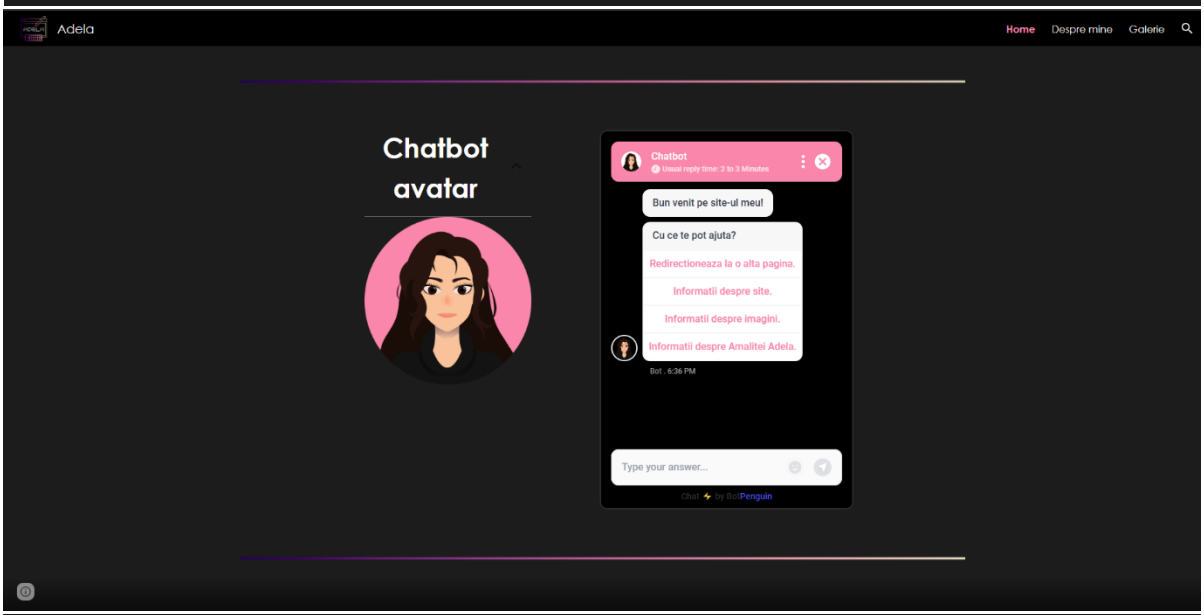
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MY PERSONAL WEBSITE

Amalitei Adela









Adela

Home Despre mine Galerie

Despre mine

Adela

Home Despre mine Galerie



Arta

Prin arta pot sa aduc la realitate si cele mai specifice sau ciudate idei, singura limita fiind imaginatia. Imi place sa creezez personaje pe care le pot desena axact cum arata in mintea mea.

Vreau sa explorez cat mai multe stiluri diferite in arta pentru a le perfectiona pe toate. In ciuda faptului ca dureaza mult, nu ma dau batuta pana nu termin un desen intreg.



Muzica

Muzica este o importanta parte din viata mea. Ascult muzica cand fac teme deoarece ma ajuta sa ma concentrez, dar ascult si cand vreau doar sa ma relaxez.



Calatorii

In fiecare vacanta incerc sa calatoresc intr-o tara straina. Am vizitat multe tari din Europa, unele chiar de mai multe ori deoarece mai aveam multe de vazut sau pur si simplu mi-a placut foarte mult acolo.

Am calatorit si in afara Europei, dar destinatia mea de vis este Japonia.

Adela

Home Despre mine Galerie

Limba japoneza

Am inceput sa invat japoneza serios de la varsta de 15 ani. Am cautat informatii pe internet si incetul cu incetul am gasit surse care m-au ajutat foarte mult. Am incercat sa iau si lectii de la un profesor, dar stiam deja tot ce faceam deci tot mai bine ma descurcam singura. Inca continui sa invat limba si pot sa vad progrese in fiecare luna.

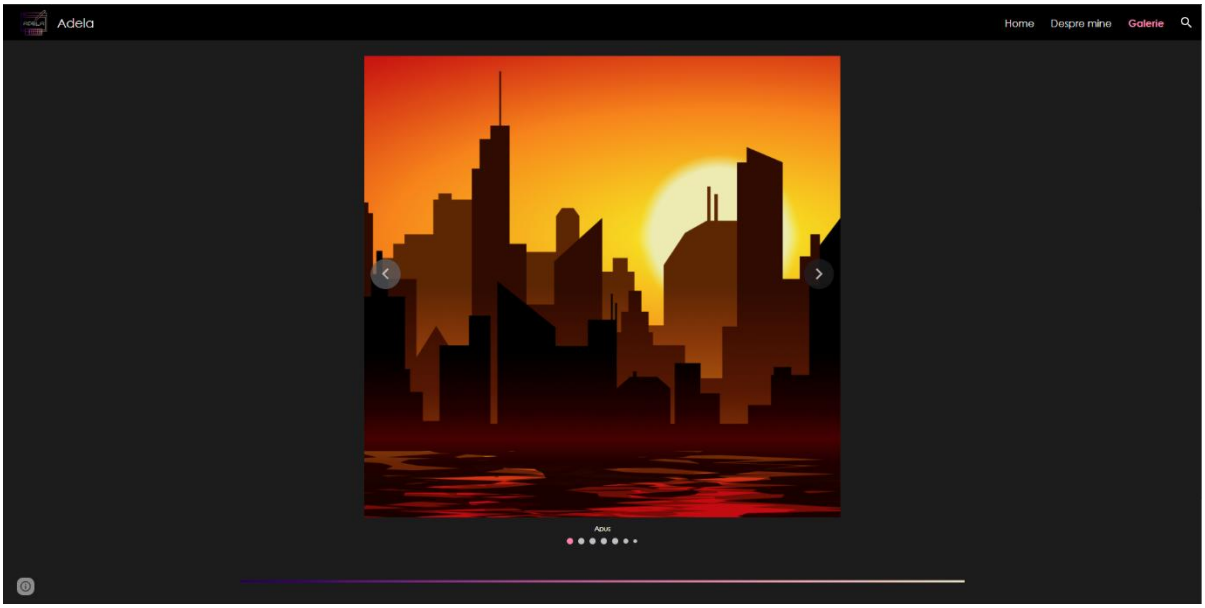
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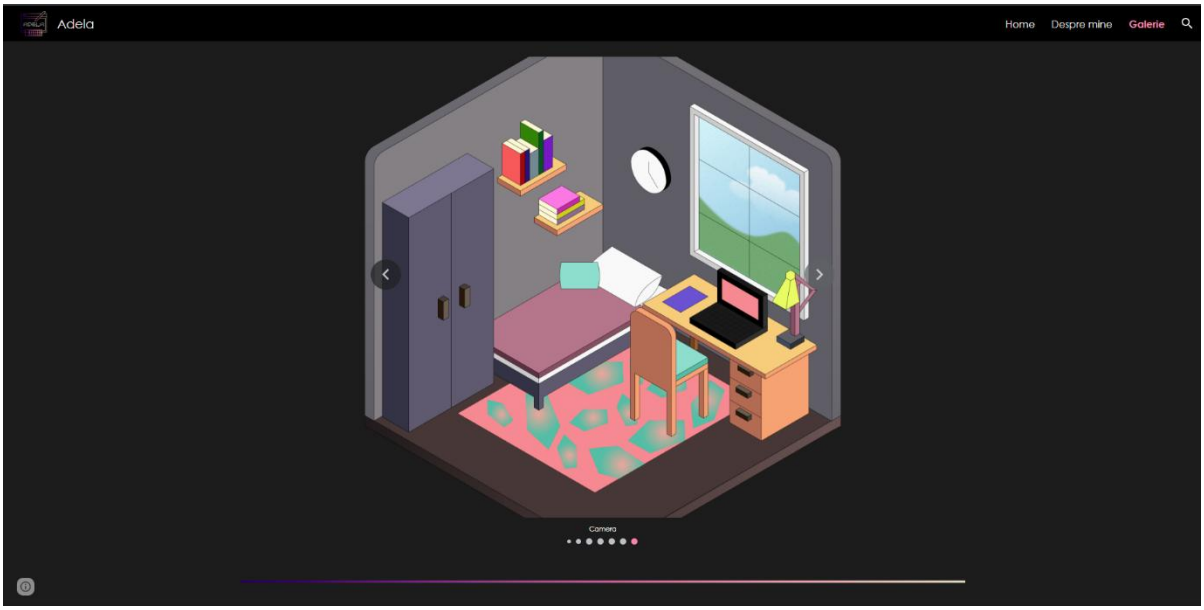


Iubitoare de pisici

Cainii ma speriau cand eram mica, asa ca mereu mi-au placut mai mult pisicile. Chiar daca unii spun ca pisicile sunt rele, daca ai grija de ele corect pot fi cele mai dragute animale. Si acum daca vad o pisica pe strada vreau sa o mangai si sa o aduc acasa.


Adela
Home
Despre mine
Galerie
Galerie


Adela
Home
Despre mine
Galerie
Apus


Adela
Home
Despre mine
Galerie
Camera

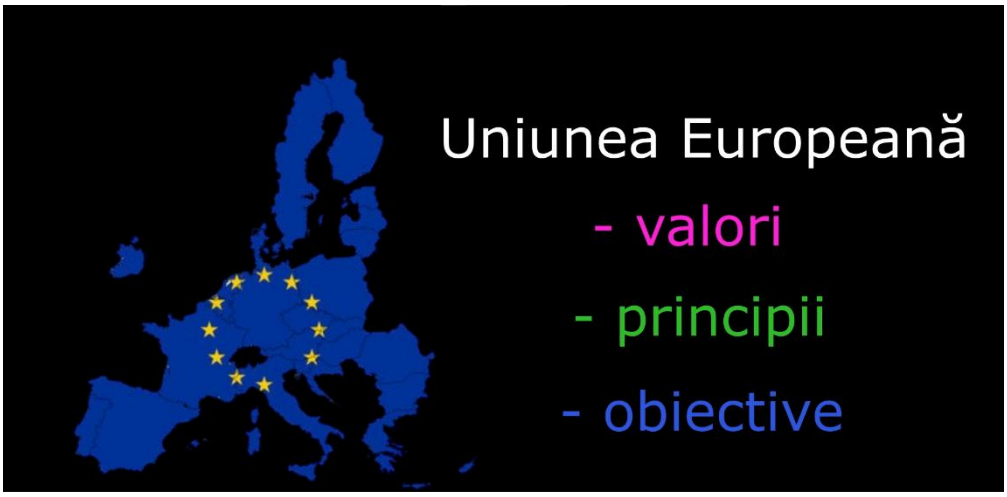
TRAINING BEFORE MOBILITY

Cultural training

European values, active citizenship and active involvement









Linguistic training with Stavroula Metaxa

Lesson 2 Greetings

Ναι Ne Yes Da αι=(e)

Όχι Ochi No Nu

Καλή kali = good beautiful = Όμορφη, omorfi

Μέρα mera =day

Καλημέρα Kalimera Goodmorning Buna dimineata

Καλησπέρα kalispera Goodevening Buna seara

Απόγευμα (apogevma) = evening ευ= (εβ) =ev

Καληνύχτα kalinihta Good night Noapte Buna

Χαίρετε Herete or Γειά Gia Hello Salut

Τι κάνεις; Ti kanis How are you Ce faci

Τι κάνετε; Ti kanete How are you (Formal plural) Ce faceti

Ευχαριστώ! (Efharisto) Thank you Mersi

Εσύ? (Esi) You? Tu?

Και (Ke) and si

Από που είσαι; Apo pou ise? Where are you from?

Από που είστε; Apo pou iste? Where are you from? (formal plural)

Είμαι από την Πάφο. Ime apo tin Pafo. I am from paphos

Και εσύ; Kai esi? And you? Si tu?

Είμαι από τη Ρουμανία. Ime apo tin Roumania. I am from Romania

Με τι ασχολείσαι; Me ti asholise? What do you do? Cu ce te ocupi?

Με τι ασχολείστε; Me ti asholiste? What do you do? Cu ce va ocupati? (formal plural)

Είμαι μαθητής Ime mathitis I am a student sunt elev

Είμαι μαθήτρια Ime mathitria I am a student (female) sunt eleva

The Greek alphabet

The Greek letter is followed by a close approximation from the roman alphabet and a word to illustrate the sound.

Α	**a** as in cat
Β	**v** as in voice
Γ (BEFORE A,O,U)	**g** as in bag
Γ (BEFORE E AND I)	**y** as in yes
Δ	**th** as in this
Ε	**e** as in ten
Ζ	**z** as in zoo
Η	**ee** as in feet
Θ	**th** as in thick
Ι	**ee** as in feet
Κ	**k** as in king
Λ	**l** as in long
Μ	**m** as in man
Ν	**n** as in not
Ξ	**x** as in box

Pedagogical training

Pregatire pedagogica - Lectia 1 Submitted at 12:46 AM	✓ Turned in
Pregatire pedagogica - Lectia 2 Submitted at 12:55 AM	✓ Turned in
Pregatire pedagogica - Lectia 3 Submitted at 11:18 PM	✓ Turned in
Pregatire pedagogica - Lectia 4 Submitted at 5:39 PM	✓ Turned in
Pregatire pedagogica - Lectia 5 Submitted at 5:59 PM	✓ Turned in
Pregatire pedagogica - Lectia 6 Submitted at 6:45 PM	✓ Turned in

MOBILITY PROJECTS

Dynamic array

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

int main()
{
    int *dynamicArray; // pointer to an integer, which is going to be the dynamic array
    int arrSize = 0;
    cout << "Enter size of the array: ";
    cin >> arrSize;

    dynamicArray= new int[arrSize]; // dynamically allocate memory for 50 integers
    for (int i=0; i<arrSize; i++) // use the for loop to fill the dynamic array with 50 integers
    {
        dynamicArray[i]=i+1;
    }
    cout << endl;
    for (int i=0; i<arrSize; i++) // display the contents of the dynamic array
    {
        cout << dynamicArray[i] << " - ";
    }
    cout << endl;
    delete dynamicArray; // release the dynamically allocated space back to the operating system
    return 0;

```

Arguments

```cpp
#include <iostream>
#include <string.h>
using namespace std;

int main(int argc, char *argv[]) //argc = argument count, argv = 2 dymensional character array
{
    cout << "You have entered " << argc << " arguments" << endl;

    //using a while loop to iterate trough arguments
    int i = 1;
    while (i < argc)
    {
        cout << "Argument " << i+1 << ": " << argv[i] << endl;
        if (strcmp(argv[1], "/h"))
        {
            // write code to show help
        }
        if (strcmp(argv[1], "/s"))
        {
            // write code to implement /s option
        }
        if (strcmp(argv[1], "/t"))
        {
            // write code to implement /t option
        }
        i++;
    }


    return 0;
}
```

Growing dynamic array

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

int main()
{
    int ARRAYSIZE = 0;
    int *a;
    int *temp;
    int n=0, tmpN=0;

    cout << "How many numbers would you like to enter?:";
    cin >> ARRAYSIZE;
    a = new int [ARRAYSIZE];

    do
    {
        cout << "Enter number " << n << " -> ";
        cin >> a[n];
        while (a[n]<65 || a[n]>90)
        {
            cout << "Number is not compatible, enter new number (number should be between 65 and 90) -> " << endl;
            cin >> a[n];
        }
        cout << "Number saved!" << endl;
        n++;
        if (n >= ARRAYSIZE)
        {
            cout << "Out of Space!!!! would you like to enter more? Please enter how many (0 to Exit): ";
            cin >> tmpN;
            if (tmpN > 0)
            {
                {
                    ARRAYSIZE = ARRAYSIZE + tmpN;
                    temp = new int [ARRAYSIZE];
                    for (int i=0; i<n; i++)
                    {
                        temp[i] = a[i];
                    }
                    delete [] a;
                    a = temp;
                }
            }
        } while (n < ARRAYSIZE);

        cout << "Now printing the numbers you inputed" << endl;

        for (int i=0; i<ARRAYSIZE; i++)
        {
            cout << char(a[i]) << endl;
        }
        delete [] a;

        return 0;
}
```

Database using dynamic arrays and classes

```
1   # include <iostream>
2   # include <string.h>
3   using namespace std;
4
5   class car
6   {
7       private:
8           string brand;
9           string model;
10          string plateNr;
11          string ownerName;
12      public:
13          car()
14          {
15              brand="EMPTY";
16              model="EMPTY";
17              plateNr="EMPTY";
18              ownerName="EMPTY";
19          }
20          void setBrand (string b) { brand = b;}
21          void setModel (string m) { model = m;}
22          void setPlateNr (string pn) { plateNr = pn;}
23          void setOwnerName (string on) { ownerName = on;}
24          string getBrand() { return brand;}
25          string getModel() { return model;}
26          string getPlateNr() { return plateNr;}
27          string getOwnerName() { return ownerName;}
28
29  };
30
31  int MAXCARS = 0;
32  car *myCars = nullptr;
33
```

```
34  void enter ()
35  {
36      string userInput="", tmp2="";
37
38      cout << "How many cars would you like to enter?:";
39      cin >> MAXCARS;
40      myCars = new car [MAXCARS];
41
42      for (int i=0; i<MAXCARS; i++)
43      {
44          cout << "---------- CAR " << i + 1 << " ----------" << endl;
45          cout<<"Brand : ";
46          cin>>userInput;
47          myCars[i].setBrand(userInput);
48
49          cout<<"Model : ";
50          cin>>userInput;
51          myCars[i].setModel(userInput);
52
53          cout<<"Plate number : ";
54          cin >> userInput >> tmp2;
55          userInput = userInput + " " + tmp2;
56          myCars[i].setPlateNr(userInput);
57
58          cout<<"Owner name : ";
59          cin >> userInput >> tmp2;
60          userInput = userInput + " " + tmp2;
61          myCars[i].setOwnerName(userInput);
62          cout << endl;
63      }
64  }
65
66  void display ()
67  {
68      cout<<"---------- YOU HAVE SAVED THE FOLLOWING INFO ----------"<< endl;
69      for (int i=0; i<MAXCARS; i++)
70      {
71          cout << "---------- CAR " << i + 1 << " ----------" << endl;
72          cout << myCars[i].getBrand() << endl;
73          cout << myCars[i].getModel() << endl;
74          cout << myCars[i].getPlateNr() << endl;
75          cout << myCars[i].getOwnerName() << endl;
76      }
77  }
78
```

```
void brandSrc (string s)
{
    int ok = 0;
    for (int i=0; i<MAXCARS; i++)
    {
        if (s == myCars[i].getBrand())
        {
            ok=1;
            cout << myCars[i].getModel() << " " << myCars[i].getPlateNr() << " " << myCars[i].getOwnerName();
            break;
        }
    }
    if (ok == 0) cout << "not found";
}

void modelSrc (string s)
{
    int ok = 0;
    for (int i=0; i<MAXCARS; i++)
    {
        if (s == myCars[i].getModel())
        {
            ok=1;
            cout << myCars[i].getBrand() << " " << myCars[i].getPlateNr() << " " << myCars[i].getOwnerName();
            break;
        }
    }
    if (ok == 0) cout << "not found";
}

void plateSrc (string s)
{
    int ok = 0;
    for (int i=0; i<MAXCARS; i++)
    {
        if (s == myCars[i].getPlateNr())
        {
            ok=1;
            cout << myCars[i].getBrand() << " " << myCars[i].getModel() << " " << myCars[i].getOwnerName();
            break;
        }
    }
    if (ok == 0) cout << "not found";
}

void ownerSrc (string s)
{
    int ok = 0;
    for (int i=0; i<MAXCARS; i++)
    {
        if (s == myCars[i].getOwnerName())
        {
            ok=1;
            cout << myCars[i].getBrand() << " " << myCars[i].getModel() << " " << myCars[i].getPlateNr();
            break;
        }
    }
    if (ok == 0) cout << "not found";
}
```

```cpp
int main()
{
    int act;
    string s;
    cout << "What do you want to do?" << endl
    << "1 - Enter data" << endl
    << "2 - Display data" << endl
    << "3 - Search by brand" << endl
    << "4 - Search by model" << endl
    << "5 - Search by plate number" << endl
    << "6 - Search by owner name" << endl
    << "0 - exit" << endl << "-> ";
    cin >> act;

    do
    {
        if (act == 1)
        {
            enter();
            cout << endl << "Chose another action" << endl
            << "1 - Enter data" << endl
            << "2 - Display data" << endl
            << "3 - Search by brand" << endl
            << "4 - Search by model" << endl
            << "5 - Search by plate number" << endl
            << "6 - Search by owner name" << endl << "0 - exit"
            << endl << "-> ";
            cin >> act;
        }
        else if (act == 2)
        {
            display();
            cout << endl << "Chose another action" << endl
            << "1 - Enter data" << endl
            << "2 - Display data" << endl
            << "3 - Search by brand" << endl
            << "4 - Search by model" << endl
            << "5 - Search by plate number" << endl
            << "6 - Search by owner name" << endl
            << "0 - exit" << endl << "-> ";
            cin >> act;
        }
```

```
181         else if (act == 3)
182         {
183             cout << "Enter brand: ";
184             cin >> s;
185             cout << endl << s << " -> ";
186             brandSrc(s);
187             cout << endl << "Chose another action" << endl
188             << "1 - Enter data" << endl
189             << "2 - Display data" << endl
190             << "3 - Search by brand" << endl
191             << "4 - Search by model" << endl
192             << "5 - Search by plate number" << endl
193             << "6 - Search by owner name" << endl
194             << "0 - exit" << endl << "-> ";
195             cin >> act;
196         }
197         else if (act == 4)
198         {
199             cout << "Enter model: ";
200             cin >> s;
201             cout << endl << s << " -> ";
202             modelSrc(s);
203             cout << endl << "Chose another action" << endl
204             << "1 - Enter data" << endl
205             << "2 - Display data" << endl
206             << "3 - Search by brand" << endl
207             << "4 - Search by model" << endl
208             << "5 - Search by plate number" << endl
209             << "6 - Search by owner name" << endl
210             << "0 - exit" << endl << "-> ";
211             cin >> act;
212         }
```

```
213         else if (act == 5)
214         {
215             cout << "Enter plate number: ";
216             cin >> s;
217             cout << endl << s << " -> ";
218             plateSrc(s);
219             cout << endl << "Chose another action" << endl
220             << "1 - Enter data" << endl
221             << "2 - Display data" << endl
222             << "3 - Search by brand" << endl
223             << "4 - Search by model" << endl
224             << "5 - Search by plate number" << endl
225             << "6 - Search by owner name" << endl
226             << "0 - exit" << endl << "-> ";
227             cin >> act;
228         }
229         else if (act == 6)
230         {
231             cout << "Enter owner name: ";
232             cin >> s;
233             cout << endl << s << " -> ";
234             ownerSrc(s);
235             cout << endl << "Chose another action" << endl
236             << "1 - Enter data" << endl
237             << "2 - Display data" << endl
238             << "3 - Search by brand" << endl
239             << "4 - Search by model" << endl
240             << "5 - Search by plate number" << endl
241             << "6 - Search by owner name" << endl
242             << "0 - exit" << endl << "-> ";
243             cin >> act;
244         }
245           else
246           {
247               cout << "Try again" << endl
248               << "1 - Enter data" << endl
249               << "2 - Display data" << endl
250               << "3 - Search by brand" << endl
251               << "4 - Search by model" << endl
252               << "5 - Search by plate number" << endl
253               << "6 - Search by owner name" << endl
254               << "0 - exit" << endl << "-> ";
255               cin >> act;
256           }
257     } while (act != 0);
258
259     return 0;
260 }
```

```
What do you want to do?
1 - Enter data
2 - Display data
3 - Search by brand
4 - Search by model
5 - Search by plate number
6 - Search by owner name
0 - exit
-> 1
How many cars would you like to enter?:2
---------- CAR 1 ----------
Brand : Skoda
Model : Octavia
Plate number : abc 123
Owner name : Mihai Popa

---------- CAR 2 ----------
Brand : Audi
Model : a4
Plate number : xyz 987
Owner name : Ioana Stan


Chose another action
1 - Enter data
2 - Display data
3 - Search by brand
4 - Search by model
5 - Search by plate number
6 - Search by owner name
0 - exit
-> 2
---------- YOU HAVE SAVED THE FOLLOWING INFO ----------
---------- CAR 1 ----------
Skoda
Octavia
abc 123
Mihai Popa
---------- CAR 2 ----------
Audi
a4
xyz 987
Ioana Stan
```

```
Chose another action
1 - Enter data
2 - Display data
3 - Search by brand
4 - Search by model
5 - Search by plate number
6 - Search by owner name
0 - exit
-> 3
Enter brand: Audi

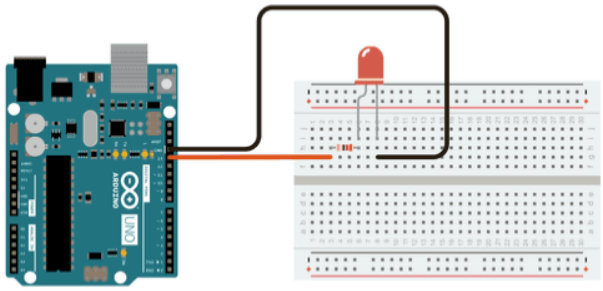
Audi -> a4 xyz 987 Ioana Stan
```

Arduino

Hardware Required

- Arduino Board
- LED
- 220 ohm resistor

Circuit



Courses

