

Why i chose c# software language ?

First of all, we used c# language to use this program. Because this language is one of the most used software languages in the world. In addition, c# language is one of the most useful software languages for automation programs. I went through the following steps while creating dormitory registration automation

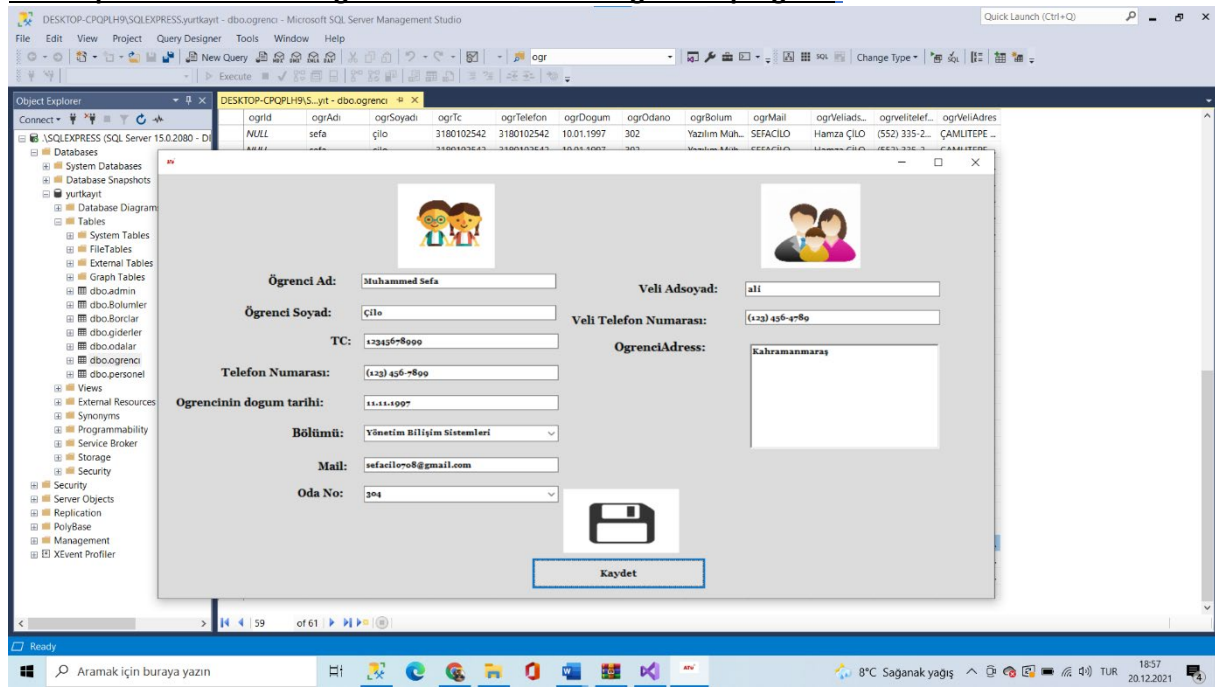
What stages did I go through?

- I downloaded the microsoft sql server program with the information I got from last year's oop course and database management course.
- In addition, I benefited from Microsoft Visual Studio 2019.
- I discussed the draft of the program I want to do with my group friends.
- We created the sql tables of the dormitory registration automation.
- After that, I created a draft of the automation program in visual studio.
- I tried to visualize the program to the best of my knowledge.

Features I want to add to the program

I will add features such as user login, dormitory fees, personnel since I could not raise it until the delivery date in the program.

I also uploaded a video on github about the working of the program.



➔The place where I want to explain the student information on the entrance side; I designed the logic of the room number as follows; For example, after ten students have registered for each room ten times, it will appear on the screen. after that the room number is removed.

[illegible]

➔ In this picture, the data I saved to the database in the program before.

MY ACHIEVEMENTS

➔ While preparing this project, I made progress in creating and designing sql tables.

➔ I learned how to synchronize between sql server via Visual Studio.

➔ I learned the program connection commands between visual studio and microsoft sql server

For example;

```
public partial class Form1 : Form
```

```
{
    public Form1()
{
```

```
InitializeComponent();

}

SqlConnection baglanti = new SqlConnection(@"Data Source=DESKTOP-CPQPLH9\SQLEXPRESS;Initial Catalog=yurtkayıt;Integrated Security=True");

private void Form1_Load(object sender, EventArgs e)
{
    baglanti.Open();

    SqlCommand komut = new SqlCommand("SELECT bolumAd FROM Bolumler", baglanti);

    SqlDataReader oku = komut.ExecuteReader();

    while (oku.Read())
    {
        comboBox1.Items.Add(oku[0].ToString());
    }

    baglanti.Close();

    baglanti.Open();

    SqlCommand komut2 = new SqlCommand("SELECT odano FROM odalar where odakapasite
!=odaaktif", baglanti);

    SqlDataReader oku2 = komut2.ExecuteReader();

    while (oku2.Read())
    {
        CMBoda.Items.Add(oku2[0].ToString());
    }
}
```

```
}
```

```
baglanti.Close();
```

```
}
```

➔ here I activate the buttons with the database using the commands in the program

```
{
```

```
baglanti.Open();
```

```
SqlCommand kaydet = new SqlCommand("insert into  
ogrenci(ogrAdi,ogrSoyadi,ogrTc,ogrTelefon,ogrDogum,ogrOdano,ogrBolum,ogrMail,OgrVeliadsoya  
d,ogrvelitelefon,ogrVeliAdres) values  
(@p1,@p2,@p3,@p4,@p5,@p6,@p7,@p8,@p9,@p10,@p11)", baglanti);
```

```
kaydet.Parameters.AddWithValue("@p1", textBox1.Text);
```

```
kaydet.Parameters.AddWithValue("@P2", textBox2.Text);
```

```
kaydet.Parameters.AddWithValue("@p3", maskedTextBox1.Text);
```

```
kaydet.Parameters.AddWithValue("@p4", maskedTextBox1.Text);
```

```
kaydet.Parameters.AddWithValue("@p5", maskedTextBox3.Text);
```

```
kaydet.Parameters.AddWithValue("@P6", CMBoda.Text);
```

```
kaydet.Parameters.AddWithValue("@P7", comboBox1.Text);
```

```
kaydet.Parameters.AddWithValue("@p8", textBox3.Text);
```

```
kaydet.Parameters.AddWithValue("@p9", textBox4.Text);
```

```
kaydet.Parameters.AddWithValue("@p10", maskedTextBox4.Text);
```

```
kaydet.Parameters.AddWithValue("@p11", RchAdres.Text);
```

```
kaydet.ExecuteNonQuery();
```

```
baglanti.Close();
```

```
}
```