

This Project builded for lecture work and the Project is an house control application with arduino and C#.

House Control

Programming Languages C#

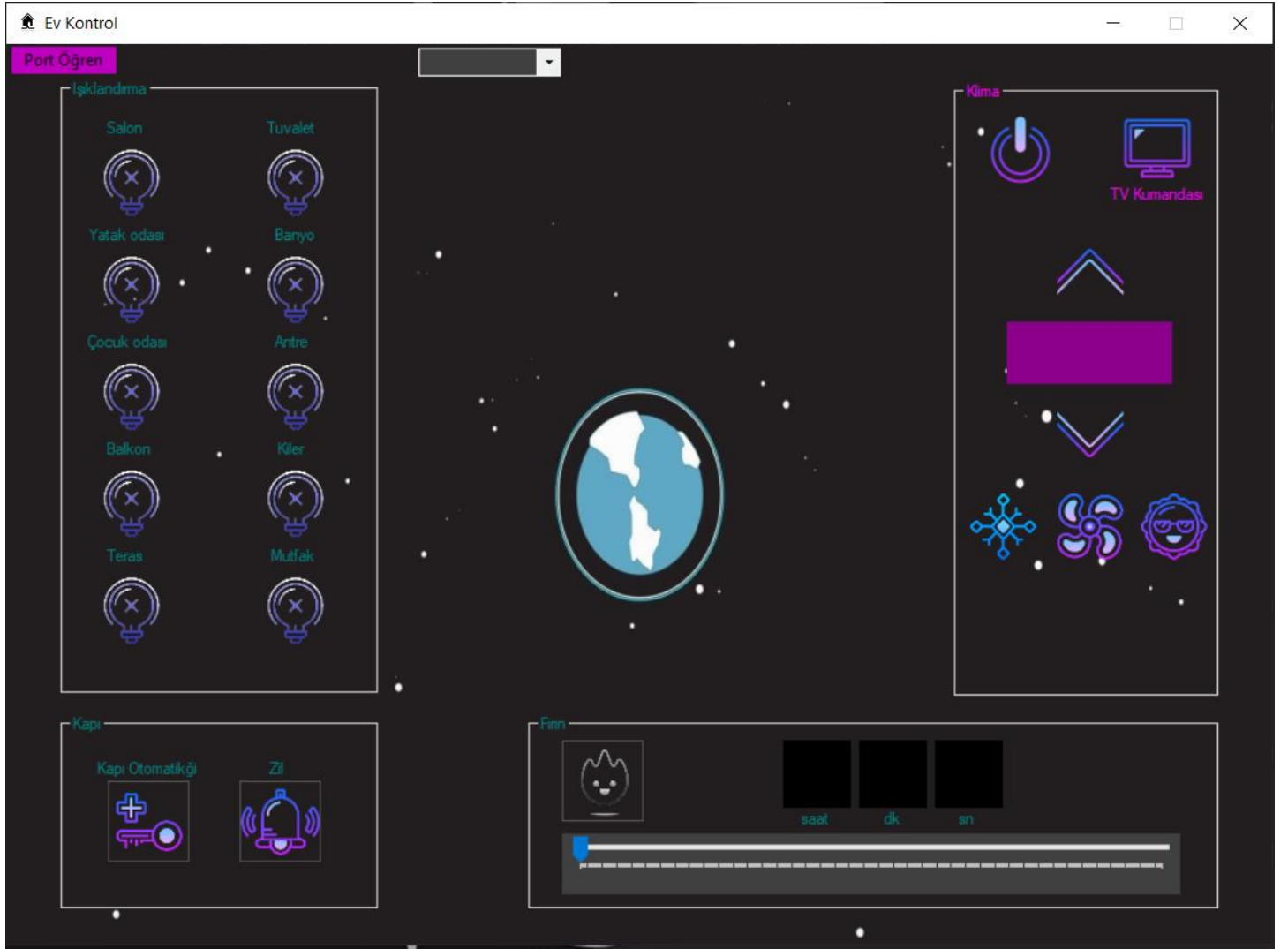
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Ev Kontrol

Form1: Main Screen



Figure_1: Form1

Tool List:

x20 buttons
1 Menu Strip
1 Combo Box
1 Track Bar
x4 Group Boxes

x4 Text Boxes
x16 Labels
1 Timer
1 Serial Port
1 Image List


Code:



Form1.pdf

Form1: Tagged

Ev Kontrol

Port Öğren  portÖğrenTool StripMenuItem

comboBox1

g r o u p B o x 1

İşıklandırma

Salon button1

Tuvalet button8

Yatak odası button2

Banyo button9

Çocuk odası button3

Antre button10

Balkon button6

Kiler button14

Teras button5

Mutfak button7

g r o u p B o x 4

Klima

button12

TV Kumandası button20

button19

textBox1

button18

button15

button17

button16

g r o u p B o x 3

Kapı

Kapı Otomatikçi button11

Zil button4

g r o u p B o x 2

Fin

button13

textBox2

textBox3

textBox4

trackBar1

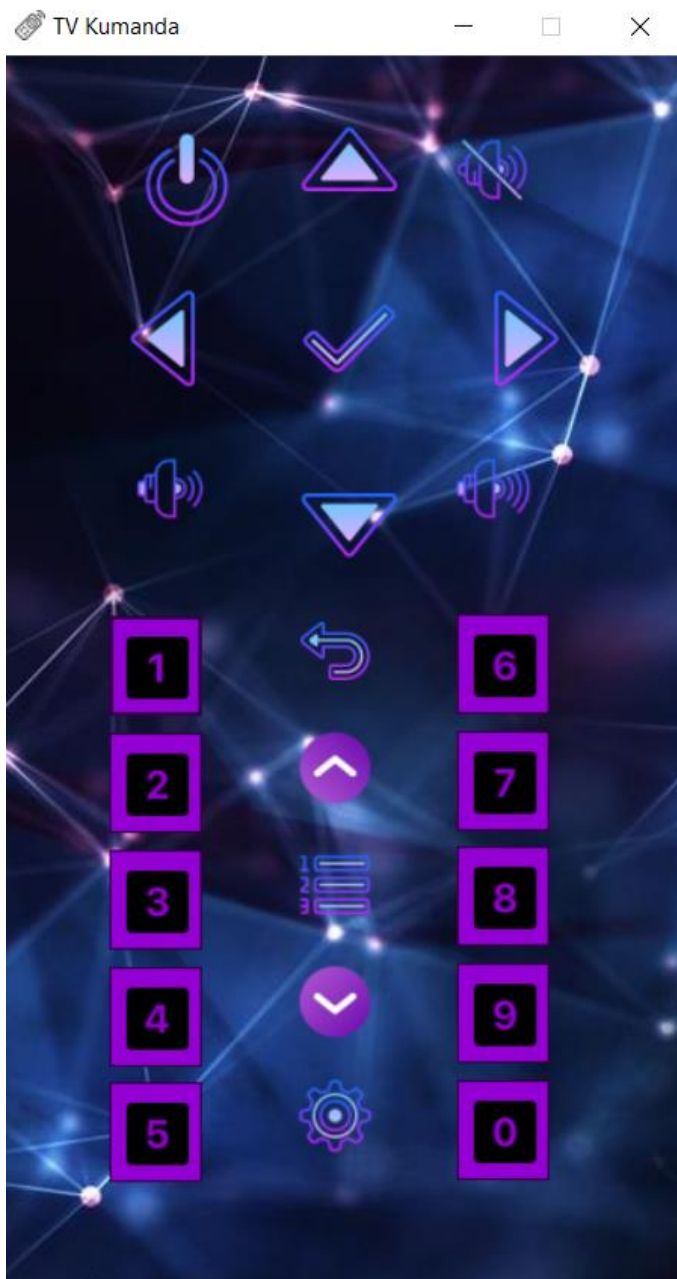
saat

dk

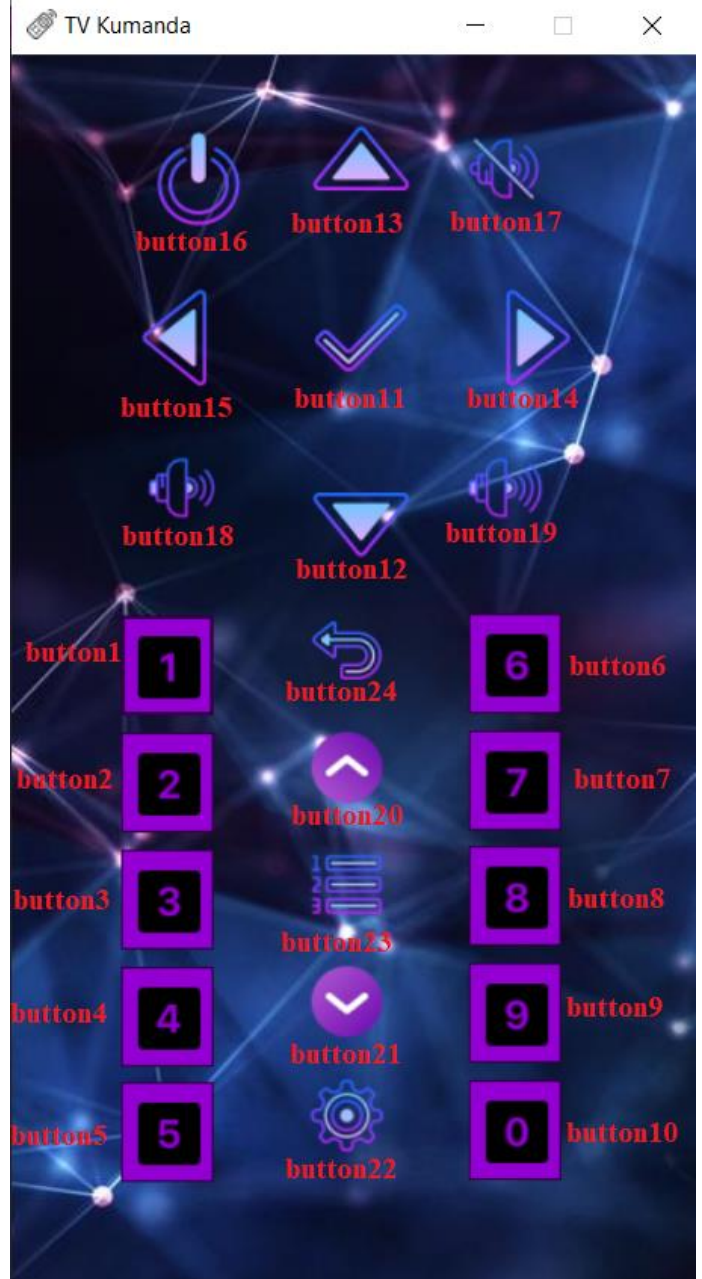
sn

Figure_2: Form1 Tagged

Form2: TV Remote Control Screen



Figure_3: TV Remote Control



Figure_4: Form2 Tagged

Tool List:

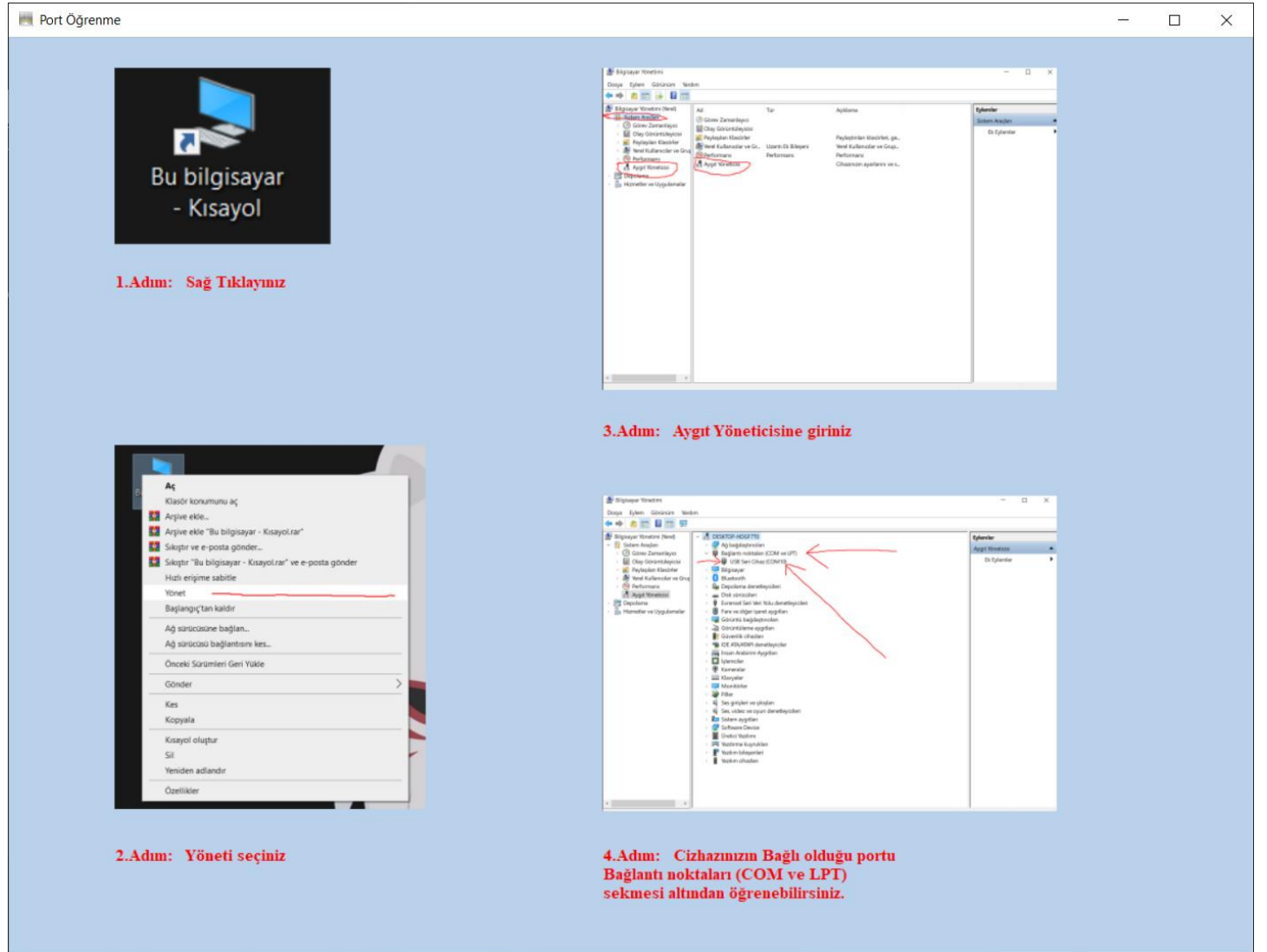
x24 Buttons

Code:



form2.pdf

Form3: Port Finding Guide Screen

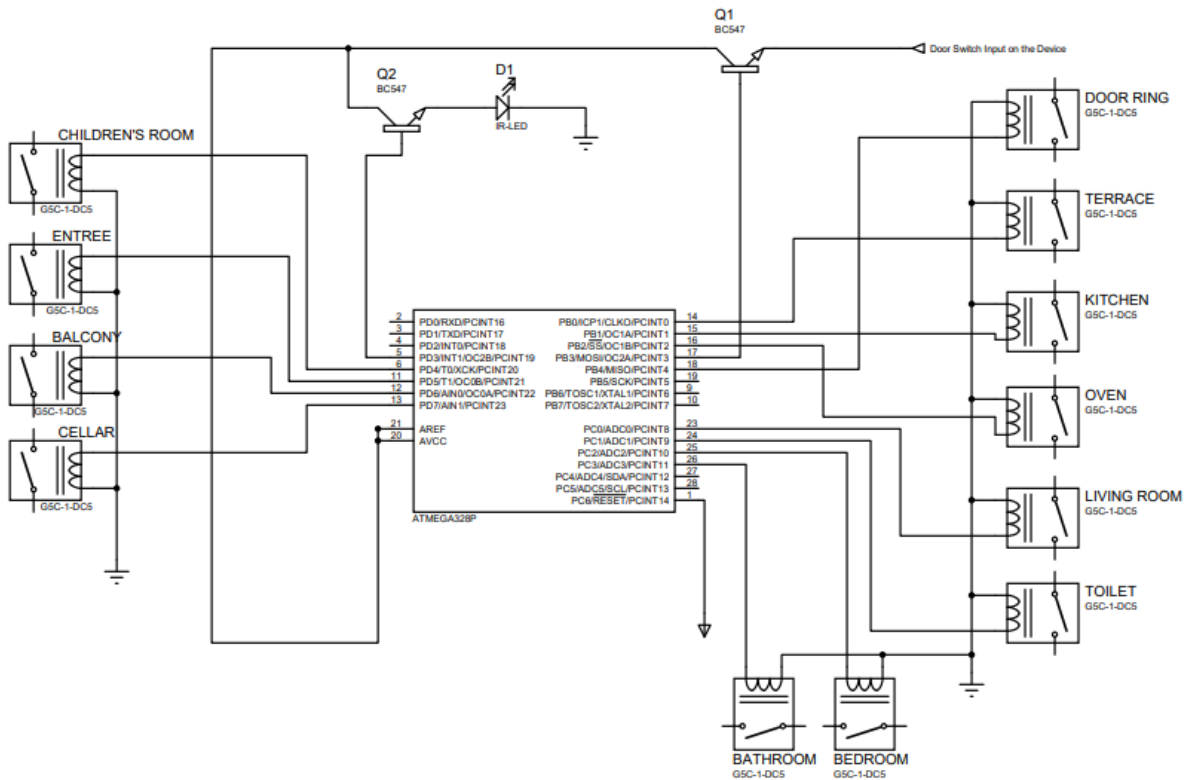


Figure_5: Form3

Tool List:

x4 Picture Box
x4 Label

Arduino Part:



External Library: IRremote-master



Arduino Codes.pdf

References:

- <https://docs.microsoft.com/tr-tr/dotnet/csharp/>
- <https://www.youtube.com/playlist?list=PLSuhOGv534vTFRq9dFB9Yn7su-4hIc0xg>
- <https://stackoverflow.com/questions/12617116/using-same-serial-port-instances-on-multiple-forms>
- <https://social.msdn.microsoft.com/Forums/vstudio/en-US/7b7e3a25-cf9a-4d08-b390-1ca1104897e1/how-to-share-variables-and-a-serial-port-between-two-forms?forum=csharpgeneral>
- https://www.pjrc.com/teensy/td_libs_IRremote.html

Images from Working Places:

