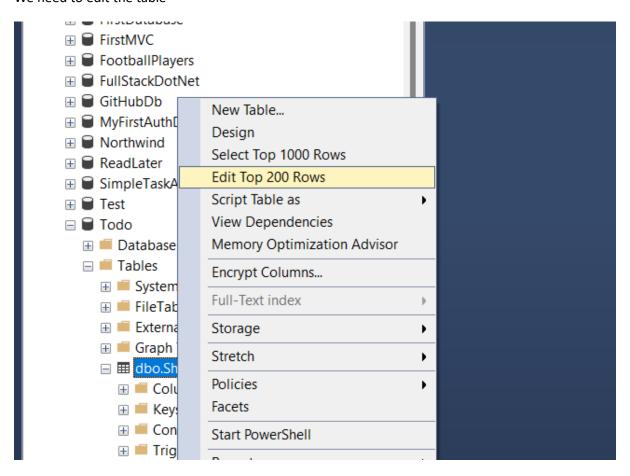
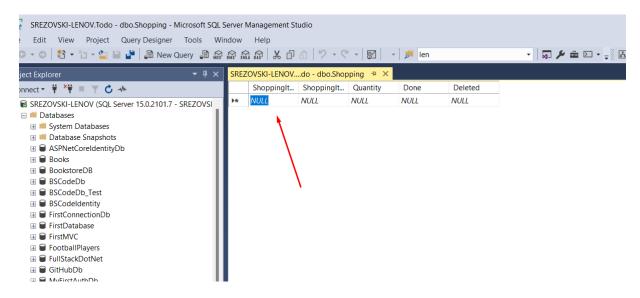
To the part 2 we need to add data to the database. There are two ways to do that.

First is throw the SQL Server management studio

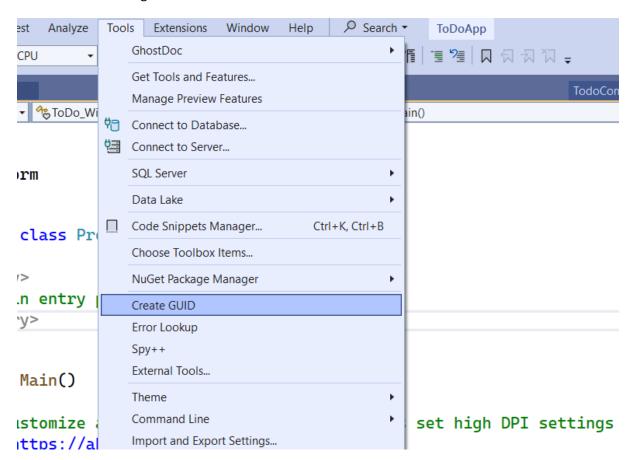
We need to edit the table

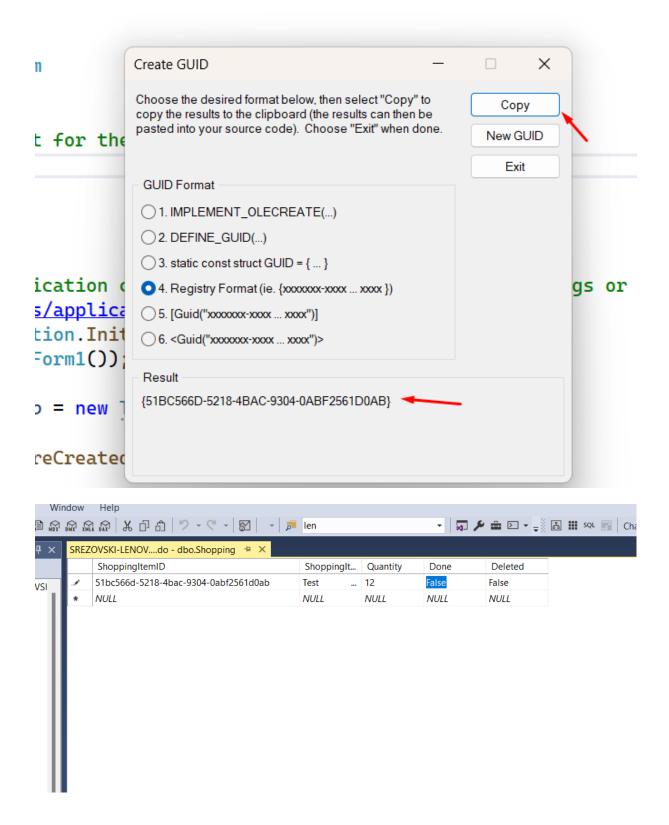


Then we need to enter data. The first column is the ID that is a guid



We need to create a guid throw the Visual Studio



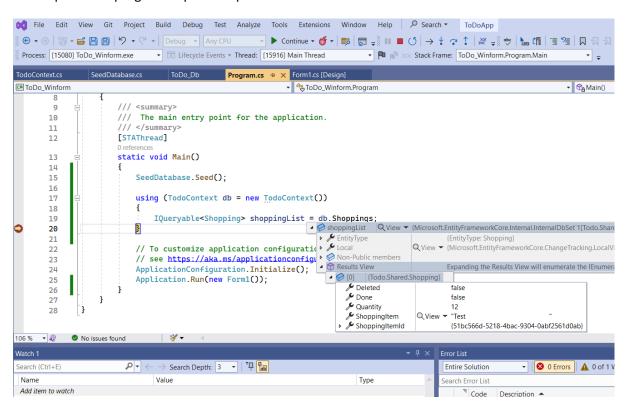


Vtoriot nacin e da se siduva datata preku dbContext

Za ova ni treba nova clasa vo ToDo_Db proektot

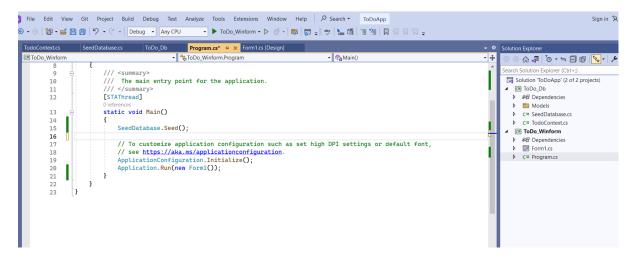
```
| Solution Explorer | Seed Databasecs | X | ToDo_Db | Programs* | Formics | Design | Seed O | Todo_Db | Seed Database | Seed O | Todo_Db | Seed Database | Todo_Db | Seed Dat
```

I da se povika vo program cs pa da se proveri dali ima data

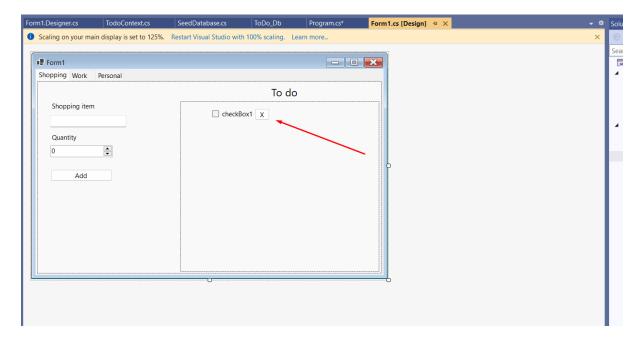


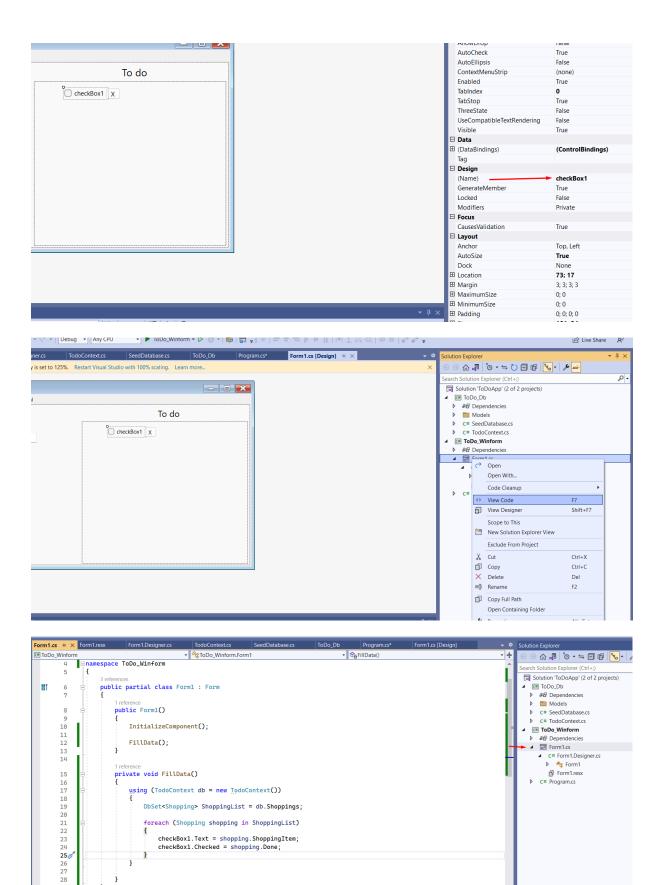
Kako sto moze da vidite ima staveno debug za da moze da se proveri dali dobivame data

Sledno go briseme using-ot



Gi naogjame controlite sto ni trebaat da bidat ispolneti I gi ispolnuvame vo form1.cs clasata za da proverime dali se e vo red.

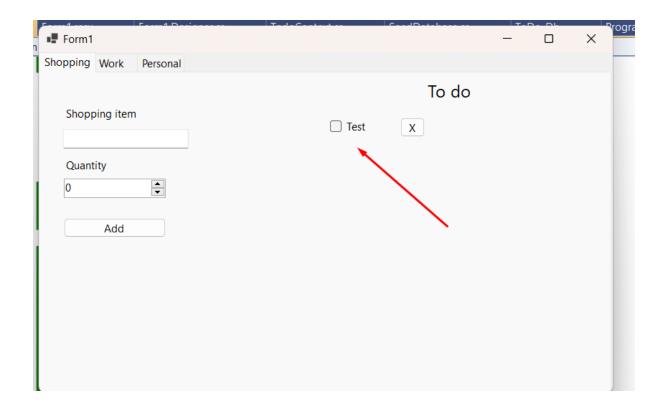




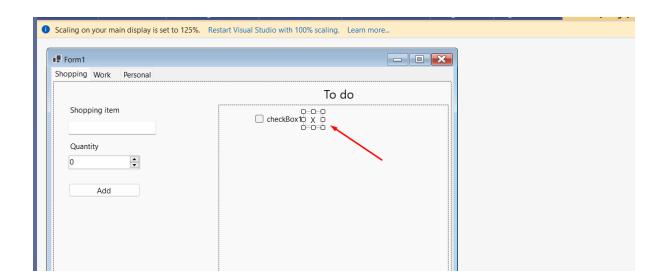
→ A Keep Results ■ List View

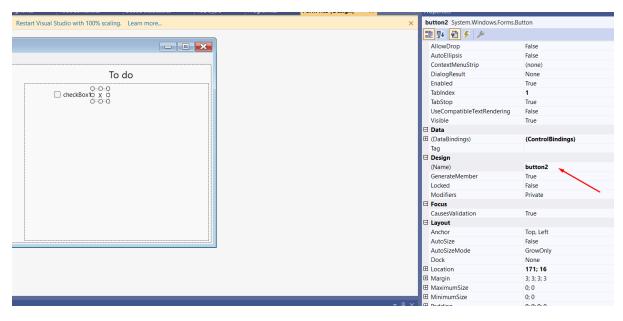
- ☐ ← → Project only

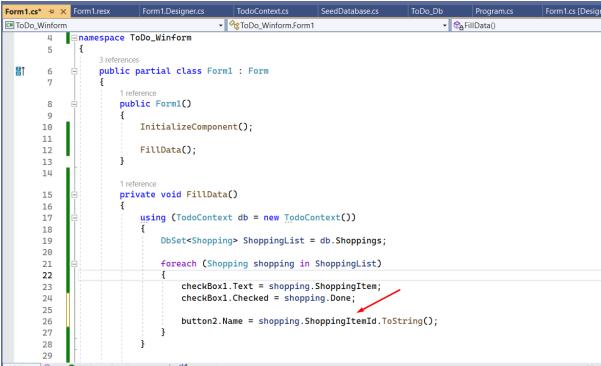
In: 25 Ch: 18 SPC CRIE



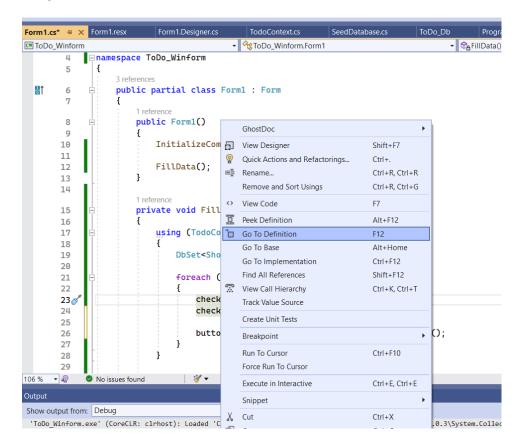
Sledno go proveruvame I kopceto







Od koga ke gi doznaeme potrebnite kontroli treba da gi vidime kako se kreirani I dodađeni vo design.cs



Potoa so search gleame kako se kreirani I koi polinja se ispolneti za dadenata kontrola

```
Form1.Designer.cs → X TodoContext.cs
                                                                  SeedDatabase.cs
                                            ▼ 10Do_Winform.Form1
C# ToDo_Winform
                               (disposing && (components != null))
       16
                            {
       17
       18
                                components.Dispose();
       19
                            base.Dispose(disposing);
       20
                       }
       21
       22
       23
                       Windows Form Designer generated code
      195
                       private TabControl tabControl1;
      196
                       private TabPage tabPage1;
      197
                       private TabPage tabPage2;
      198
                       private TabPage tabPage3;
      199
      200
                        private Label label2;
                       private TextBox textBox1;
      201
                       private Label label1;
      202
      203
                       private Button button1;
                       private NumericUpDown numericUpDown1;
      204
      205
                       private Panel panel1;
                       private Button button2;
      206
      2078
                       private CheckBox checkBox1;
      208
                       private Label label3;
      209
      210
```

```
) ▼ ⊝ | 🛅 ▼ 🚰 🔠 | ") ▼ (* ▼ | Debug ▼ | Any CPU ▼ | ▶ ToDo_Winform ▼ ▷ 🐠 ▼ | 👼 | 🛜 😜 😍 | 🔚 🖺
                                                              Form1.Designer.cs → X TodoContext.cs
                                                                                                                                                 SeedDatabase.cs
                                                                                                                                                                                          ToDo Db
                                                                                                  ▼ ToDo_Winform.Form1
 I ToDo_Winform

→ Checkle

The checkle

Th
                  30
                                                               tabControl1 = new TabControl();
                  31
                                                               tabPage1 = new TabPage();
                  32
                                                               panel1 = new Panel();
                  33
                                                               button2 = new Button();
                  34
                                                               checkBox1 = new CheckBox(); 
                  35
                                                               button1 = new Button();
                  36
                                                               numericUpDown1 = new NumericUpDown();
                  37
                  38
                                                               label2 = new Label();
                                                               textBox1 = new TextBox();
                  39
                  40
                                                               label1 = new Label();
                                                               tabPage2 = new TabPage();
                  41
                                                               tabPage3 = new TabPage();
                  42
                                                               label3 = new Label();
                  43
                                                               tabControl1.SuspendLayout();
                  44
                  45
                                                               tabPage1.SuspendLayout();
                                                               panel1.SuspendLayout();
                  46
                  47
                                                               ((System.ComponentModel.ISupportInitialize)numericUpDown1).BeginIni
                  48
                                                               SuspendLayout();
                                                               //
                  Ц9
                                                               // tabControl1
                  50
                                                               //
                  51
                                                               tabControl1.Controls.Add(tabPage1);
                  52
HIE Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help 

→ Search 

ToDoApp
SeedDatabase.cs ToDo_Db Program.cs
                      Form1.resx Form1.Designer.cs + X TodoContext.cs

☐ ToDo_Winform

                                                 tabPage1.Controls.Add(label2);

▼ SaInitializeComponent()

                68

▼ checkBox1

                                                 tabPage1.Controls.Add(textBox1);
                69
                70
                                                 tabPage1.Controls.Add(label1);
                                                                                                                                                                         Aa ĀЫ ■* Current document
                                                tabPagel.Controls.Add(Labell);
tabPagel.Location = new Point(4, 28);
tabPagel.Name = "tabPagel";
tabPagel.Padding = new Padding(3);
tabPagel.Size = new Size(792, 418);
tabPagel.TabIndex = 0;
tabPagel.Text = "Shopping";
                71
                72
                73
                74
                75
                76
77
                                                 tabPage1.UseVisualStyleBackColor = true;
                78
                                                // panel1
//
                80
                                                panel1.Controls.Add(button2);
panel1.Controls.Add(checkBox1);
                82
                                                panell.Controls.Add(checkbox1);
panell.Location = new Point(329,
panell.Name = "panell";
panell.Size = new Size(457, 371);
panell.TabIndex = 5;
                                                                                      Point(329, 44);
                84
                85
                86
                                                //
// button2
                87
                88
                89
90
91
                                                 11
                                                 button2.Location = new Point(171, 15);
                                                button2.Name = "button2"
                                                button2.Size = new Size(34, 26);
                                                button2.TabIndex = 1:
                          button2.Text = "X";
                          button2.UseVisualStyleBackColor = true;
                          //
                          // checkBox1
                          //
                          checkBox1.AutoSize = true;
                          checkBox1.Location = new Point(73, 16);
                          checkBox1.Name = "checkBox1";
                          checkBox1.Size = new Size(92, 23);
                          checkBox1.TabIndex = 0;
                          checkBox1.Text = "checkBox1";
                          checkBox1.UseVisualStyleBackColor = true;
                          //
                          // button1
                          button1.Location = new Point(31, 192);
                          button1.Name = "button1";
```

Gi kopirame propertinjata tie ni se potrebni za kreiranje na nova kontrola pri sekoj podatok od baza

```
panel1.Controls.Add(button2);
 81
                     panel1.Controls.Add(checkBox1);
 82
                     panel1.Location = new Point(329, 44);
 83
                     panel1.Name = "panel1";
 84
                    panel1.Size = new Size(457, 371);
 85
 86
                     panel1.TabIndex = 5;
                     //
 87
                     // button2
 88
89
                     //
                     button2.Location = new Point(171, 15);
90
                     button2.Name = "button2";
 91
                     button2.Size = new Size(34, 26);
 92
                     button2.TabIndex = 1;
93
                     button2.Text = "X";
94
958
                     button2.UseVisualStyleBackColor = true;
                     //
96
                     // checkBox1
 97
 98
                     //
                     checkBox1.AutoSize = true;
99
                     checkBox1.Location = new Point(73, 16);
100
```

Kakos to ke vidite vo sledniot screenshot iskopiran e I kodot za button. Od kako ke gi iskopirame gi dodavame potrebnite informacii. Vo ovoj slucaj mora nekako da go zacuvame ID to od itemot I imeto na itemot koj ke go dodademe kako text vo checkbox ot.

```
Form1.cs [Design]
                                     Form1.cs ⊅ X Form1.res
                                                                                             Form1.Designer.cs

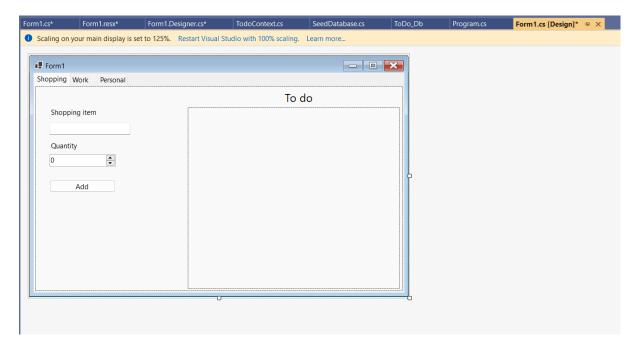
☐ ToDo_Winform

☆ToDo_Winform.Form1

                                                                                                                                                                                    ▼ 😭 Fill Data()
            14
                                       private void FillData()
           15
16
17
18
19
20
21
22
23
24
25
26
27
                                              using (TodoContext db = new TodoContext())
                                                    DbSet<Shopping> ShoppingList = db.Shoppings;
                                                     foreach (Shopping shopping in ShoppingList)
                                                           CheckBox checkBox = new CheckBox();
                                                           CheckBox CheckBox = new _new _neckBox();
checkBox .AutoSize = true;
checkBox .Location = new Point(20, y);
checkBox .Name = shopping.ShoppingItemId.ToString();
checkBox .Size = new Size(100, 23);
checkBox.TabIndex = 0;
checkBox.Text = shopping.ShoppingItem;
           28 © 29 30 31 32 33 34 35 36 37 38 39 40 41
                                                           Button button = new Button();
button.Location = new Point(150, y);
button.Mame = shopping.ShoppingItemId.ToString();
button.Size = new Size(60, 23);
button.TabIndex = 0;
                                                           button Text = "X
                                                           button.UseVisualStyleBackColor = true;
                                                           panel1.Controls.Add(button);
            42
                                                            panel1.Controls.Add(checkBox):
            45
                                                                                                                                                                                                                                 Ln: 28 Ch: 55 SPC
```

Y variablata e dodadena za da moze pri sekoj item da gi simnuvame kontrolite za 5 edinici

Gi briseme veke postojnite kontroli checkbox I button X



Za kraj na part 2 treba da izgleda vaka

```
Form1.cs → × Form1.resx
Form1.cs [Design]
                                                                                                                                              TodoContext.cs
                                                                                                                                                                                                                            ToDo_Db
                                                                                                   Form1.Designer.cs
                                                                                                                                                                                   SeedDatabase.cs
C# ToDo_Winform
                                                                                               ▼ <sup>2</sup> ToDo_Winform.Form1
                                                                                                                                                                                                   ▼ 😭 Fill Data()
                                          private void FillData()
            15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
                                                 using (TodoContext db = new TodoContext())
{
                                                        DbSet<Shopping> ShoppingList = db.Shoppings;
                                                         foreach (Shopping shopping in ShoppingList)
                                                              CheckBox checkBox = new CheckBox();
checkBox.AutoSize = true;
checkBox.Location = new Point(20, y);
checkBox.Name = shopping.ShoppingItemId.ToString();
checkBox.Size = new Size(100, 23);
checkBox.TabIndex = 0;
checkBox.Text = shopping.ShoppingItem;
                                                               Button button = new Button();
button.Location = new Point(150, y);
button.Name = shopping.ShoppingItemId.ToString();
button.Size = new Size(60, 23);
button.TabIndex = 0;
button.Text = "X";
button.UseVisualStyleBackColor = true;
                                                                panel1.Controls.Add(button);
                                                                panel1.Controls.Add(checkBox);
y += 5;
             44
```