

```

1 using System;
2 using System.Collections.Generic;
3 using System.ComponentModel;
4 using System.Data;
5 using System.Drawing;
6 using System.Linq;
7 using System.Text;
8 using System.Threading.Tasks;
9 using System.Windows.Forms;
10 using LogikLag;
11 using DTO;
12
13 namespace Blodtryksmålersystem
14 {
15     public partial class HovedGUI : Form, IObservable
16     {
17         private Logik logik;
18         private Analyse diaSystole;
19         private List<double> guiliste;
20         private System.Timers.Timer myTimer;
21         private string Forsøgsnavn;
22         public HovedGUI(Logik logik_)
23         {
24             InitializeComponent();
25             logik = logik_;
26             diaSystole = new Analyse();
27
28             logik.Attach(this);
29             myTimer = new System.Timers.Timer();
30             myTimer.Enabled = true;
31             myTimer.Interval = 3000;
32             myTimer.Elapsed += myTimer_Elapsed;
33             logik.Attach(this);
34             Chart.ChartAreas[0].AxisY.Minimum = 0;
35             Chart.ChartAreas[0].AxisY.Maximum = 250;
36         }
37
38         void myTimer_Elapsed(object sender, System.Timers.ElapsedEventArgs e)
39         {
40             MethodInvocation action = delegate
41             {
42                 textDia.Text = Convert.ToInt32(logik.DiastoleVærdi).ToString();
43                 textSys.Text = Convert.ToInt32(logik.SystoleVærdi).ToString();
44             };
45             textDia.BeginInvoke(action);
46         }
47
48         private void textForsøgsnavn_TextChanged(object sender, EventArgs e)
49         {
50             StartKnap.Enabled = true;
51             StartKnap.BackColor = Color.DarkSeaGreen;
52             Forsøgsnavn = Convert.ToString(textForsøgsnavn.Text);
53         }
54         private delegate void UpdateUICallback();
55         private void updateChart()
56         {
57             if (this.InvokeRequired)
58             {
59                 UpdateUICallback d = new UpdateUICallback(updateChart);
60                 this.Invoke(d);
61             }
62             else
63             {
64                 {
65                     Chart.Series["Series1"].Points.DataBindY(guiliste);
66                     logik.getDia();
67                     logik.getSys();
68                 }
69             }
70         }
71         private void StartKnap_Click(object sender, EventArgs e)
72         {
73             logik.indhentDataLogik();
74         }

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75         if (logik.isRunningLogik())
76         {
77             logik.StartTraad();
78         }
79         GemKnap.Enabled = true;
80     }
81     private void StopKnap_Click(object sender, EventArgs e)
82     {
83         logik.stopReadDataLogik();
84         myTimer.Close();
85     }
86     private void GemKnap_Click(object sender, EventArgs e)
87     {
88         logik.ClearData();
89         StopGemKnap.Enabled = true;
90     }
91     private void StopGemKnap_Click(object sender, EventArgs e)
92     {
93         int id = logik.gemData(Forsøgsnavn);
94         textFilnavn.Text = Forsøgsnavn + '_' + Convert.ToString(id);
95     }
96     public void Gennemsnit(List<double> graf)
97     {
98         guiliste = graf;
99
100         updateChart();
101     }
102     private void filtreret_CheckedChanged(object sender, EventArgs e)
103     {
104         if (filtreret.Checked)
105         {
106             logik.RadioProp = false;
107         }
108         else if (filtreret.Checked != true)
109         {
110             logik.RadioProp = true;
111         }
112     }
113 }
114 }
115
```

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5 using System.Drawing;
6 using System.Linq;
7 using System.Text;
8 using System.Threading.Tasks;
9 using System.Windows.Forms;
10 using LogikLag;
11
12 namespace Blodtryksmålersystem
13 {
14     public partial class NulpunktsjusteringGUI : Form
15     {
16         private Logik logik;
17         public NulpunktsjusteringGUI()
18         {
19             InitializeComponent();
20             logik = new Logik();
21         }
22
23         private void ForetagNulKnap_Click(object sender, EventArgs e)
24         {
25             logik.StartNulPunkt();
26             var hovedgui = new HovedGUI(logik);
27             hovedgui.Show();
28             this.Hide();
29         }
30     }
31 }
32
```