

```
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
11 // Internal namespaces
12 using Nihulon2.RelationsList;
13 using Nihulon2.SupervisorsAdministration;
14
15 namespace Nihulon2
16 {
17     public partial class Main_View : Form
18     {
19         // User controls that are included into the main form
20         private SupervisorAdministration_View SupervisorsAdministrationView;
21         private RelationsList_View RelationsListView;
22         public Main_View()
23         {
24             InitializeComponent();
25             InitializeViews(); // create and place views
26             InitialiseControllers(); // create controllers and bind them with their views
27         }
28
29         // show User Control for Supervisors Administration and hide others
30         private void btn_GotoSupervisorsAdministration_Click(object sender, EventArgs e)
31         {
32             SupervisorsAdministrationView.Visible = true;
33             RelationsListView.Visible = false;
34         }
35
36         // show User Control for Relations List and hide others
37         private void btn_GotoRelationsList_Click(object sender, EventArgs e)
38         {
39             SupervisorsAdministrationView.Visible = false;
40             RelationsListView.Visible = true;
41         }
42
43         // show User Control for Reports and hide others
44         private void btn_GotoReports_Click(object sender, EventArgs e)
45         {
46             SupervisorsAdministrationView.Visible = false;
47             RelationsListView.Visible = false;
48         }
49
50         // Exit system
51         private void btn_Exit_Click(object sender, EventArgs e)
52         {
53             base.Dispose();
54         }
55     }
56 }
```

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55
56     private void btn_Refresh_Click(object sender, EventArgs e)
57     {
58         SupervisorsAdministrationView.reloadView();
59         RelationsListView.reloadView();
60     }
61
62     #region Methods for internal use
63
64     /* Initialize all views, place them on the main form and set the starting view as visible */
65     private void InitializeViews()
66     {
67         // Initialize views
68         SupervisorsAdministrationView = new SupervisorAdministration_View
69         ();
70         RelationsListView = new RelationsList_View();
71         // place views on the right side of the main view
72         SupervisorsAdministrationView.Location = new System.Drawing.Point
73         (147, 12);
74         RelationsListView.Location = new System.Drawing.Point(147, 12);
75         // add views to the main view
76         this.Controls.Add(SupervisorsAdministrationView);
77         this.Controls.Add(RelationsListView);
78         // set starting view as visible and others as invisible
79         SupervisorsAdministrationView.Visible = true;
80         RelationsListView.Visible = false;
81     }
82     /* Initialises all controllers and binds them with their views */
83     private void InitialiseControllers()
84     {
85         RelationsList_Controller RelListCtr = new RelationsList_Controller
86         (RelationsListView);
87         SupervisorsAdministration_Controller SupervAdmCtr = new
88         SupervisorsAdministration_Controller
89         (SupervisorsAdministrationView);
90     }
91 }
92
```