

```
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 using Nihulon2.Model;
12 using static System.Windows.Forms.ComboBox;
13
14 namespace Nihulon2.SupervisorsAdministration
15 {
16     /* The form of changing exams.
17     * Has controls for changing different properties of an exam
18     * and two buttons for canceling and saving the changes */
19     public partial class frmChangeExam : Form
20     {
21         // Event handler that is called when the user clicks the button
22         // "save changes"
23         public delegate void saveChangesHandler(Exam exam);
24         public event saveChangesHandler onSaveChanges;
25
26         Exam exam; // The exam for changing
27
28         public frmChangeExam()
29         {
30             InitializeComponent();
31         }
32
33         // Fill the comboboxes with related items sent as parameters
34         public void fillComboBoxes(ObjectCollection divisions,
35                                     ObjectCollection courses, ObjectCollection rooms)
36         {
37             for (int i = 0; i < divisions.Count; i++)
38                 cboDivision.Items.Add(divisions[i]);
39             for (int i = 0; i < courses.Count; i++)
40                 cboCourse.Items.Add(courses[i]);
41             for (int i = 0; i < rooms.Count; i++)
42                 cboRoom.Items.Add(rooms[i]);
43         }
44
45         // Take an exam and fill all fields of the form
46         public void setExam(Exam examForChanging)
47         {
48             exam = examForChanging;
49
50             // Get datetime from strings
51             DateTime date = Convert.ToDateTime(exam.Date);
52             DateTime startTime = Convert.ToDateTime(exam.StartTime);
53             DateTime endingTime = Convert.ToDateTime(exam.EndingTime);
54
55             // fill the fields of the form with data of the exam that is
56             // needed to be changed
```

```
56         try
57         {
58             DatePicker.Value = date;
59             FromTimePicker.Value = startTime;
60             ToTimePicker.Value = endingTime;
61             cboCourse.SelectedItem = exam.course;
62             cboDivision.SelectedItem = exam.division;
63             cboRoom.SelectedItem = exam.room;
64             txtDiscipline.Text = exam.DisciplineName;
65             txtGroup.Text = exam.GroupName;
66             txtSupervisor.Text = exam.SupervisorName;
67             cbExtraTime.Checked = exam.hasExtraTime;
68         }
69         catch { }
70     }
71
72     // Close the form without exam changing
73     private void btnCancelChanging_Click(object sender, EventArgs e)
74     {
75         this.Dispose();
76     }
77
78     // Save the new values at the exam and send a message with
79     // the new exam to subscribers
80     private void btnSaveChanges_Click(object sender, EventArgs e)
81     {
82         exam.course = cboCourse.Text;
83         exam.Date = DatePicker.Text;
84         exam.DisciplineName = txtDiscipline.Text;
85         exam.division = cboDivision.Text;
86         exam.EndingTime = ToTimePicker.Text;
87         exam.GroupName = txtGroup.Text;
88         exam.hasExtraTime = cbExtraTime.Checked;
89         exam.room = cboRoom.Text;
90         exam.StartTime = FromTimePicker.Text;
91         exam.SupervisorName = txtSupervisor.Text;
92
93         // Send the message that the exam was changed
94         if (onSaveChanges != null)
95             onSaveChanges(exam);
96
97         this.Dispose();
98     }
99     // Called when one of the time pickers at the form of creating
100    // new exams has been changed.
101    // Checks if the "from" date is earlier than "to" date
102    private void TimePicker_ValueChanged(object sender, EventArgs e)
103    {
104        if (ToTimePicker.Value < FromTimePicker.Value)
105        {
106            ToTimePicker.Value = FromTimePicker.Value;
107        }
108    }
109 }
110 }
```