1. using System;
2. using System.Collections.Generic;
3. using System.ComponentModel;
4. using System.Drawing;
5. using System.Data;
6. using System.Linq;
7. using System.Text;
8. using System.Threading.Tasks;
9. using System.Windows.Forms; 10
10. using Nihulon2.Model;
11. using System.Collections; 13

14 namespace Nihulon2.RelationsList 15 {

16 /\*

1. \* The class of view that displays the data of items related to exams
2. \* like divisions, courses and rooms.
3. \* IRelationsListView - interface that provides methods to the controller for
4. \* displaying the data

21 \*/

22 public partial class RelationsList\_View : UserControl, IRelationsListView 23 {

1. // instance of the controller that manages this view
2. RelationsList\_Controller \_controller; 26

27 public RelationsList\_View()

28 {

29 InitializeComponent(); 30

1. // Fill the combo box with types of related items
2. cbo\_ItemType.Items.Add("חטיבות");
3. cbo\_ItemType.Items.Add("מגמות");
4. cbo\_ItemType.Items.Add("חדרים"); 35
5. // Set names of columns in the data grid
6. initialiseDataGridColumns(); 38 }

39

40 #region Events 41

1. // fill the data grid view with new values when relations type is changed
2. private void cbo\_ItemType\_SelectedIndexChanged(object sender, EventArgs e)

44 {

45

46

47

48 }

49

string itemType = cbo\_ItemType.SelectedItem.ToString(); if (itemType != "")

\_controller.loadDataByType(itemType);

1. // Call to the controller's method that inserts new related item into the DB and reloads the grid
2. private void btnAddNewItem\_Click(object sender, EventArgs e) 52 {

53

54

55

56

57

58

59

60

61 }

62

// Get name of the item from the text box string newItemName = txtAddNewItem.Text; if (newItemName != "")

{

// Insert the new item and clear the text box

\_controller.addNewItem(newItemName); txtAddNewItem.Text = "";

}

1. // Change status of the selected item to disabled/not disabled
2. private void btn\_Disable\_Click(object sender, EventArgs e) 65 {
3. // If there is selected row at the table
4. if (dgvItems.SelectedRows.Count != 0)

68 {

1. // Get the name of selected item from data grid
2. string nameOfItem = "";
3. DataGridViewRow row = dgvItems.SelectedRows[0];
4. nameOfItem = row.Cells[0].Value.ToString(); 73

74 if (nameOfItem != "") // if there is a name in the selected row

75

76

77

78 }

79 }

80

81 /\*

{

\_controller.changeStatusOfItem(nameOfItem);

}

1. \* Toggle between two modes:
2. \* - show related items without disabled
3. \* - show all related

85 \*/

86 private void cbShowDisabled\_CheckedChanged(object sender, EventArgs e) 87 {

1. // Set the flag at the controller
2. \_controller.ShowDisabled = cbShowDisabled.Checked;
3. // Reload data from the DB
4. \_controller.loadDataByType(cbo\_ItemType.SelectedItem.ToString()); 92 }

93

94 #endregion 95

1. #region Interface
2. // binds the view with its controller
3. public void setController(RelationsList\_Controller controller) 99 {

100 \_controller = controller;

101 }

102

1. // fill the data grid with related items
2. public void fillDataGrid(RelatedItem[] items)

105 {

106

1. // Fill the grid
2. for (int i = 0; i < items.Length; i++)

109 {

1. // Create new row
2. DataGridViewRow row = new DataGridViewRow();
3. row.Cells.Add(new DataGridViewTextBoxCell()); 113
4. // Add values to the new row
5. row.Cells[0].Value = items[i].Name.ToString();
6. if (items[i].IsDisabled)

117 row.Cells[0].Value += " (מבוטל)"; 118

1. // Add created row to the data grid
2. dgvItems.Rows.Add(row);

121 }

122 }

123

1. // Clear the data grid
2. public void clearDataGrid()

126 {

127 dgvItems.Rows.Clear();

128 }

129

1. // Set a type of related items as selected at the combo box
2. public void setRelatedItemsType(string type)

132 {

133 cbo\_ItemType.SelectedItem = type;

134 }

135

1. // Reload the view
2. public void reloadView()

138 {

139 \_controller.reload();

140 }

141

142 #endregion 143

144 #region Private methods 145

1. // Set names and other parameters for the dataGrid columns
2. private void initialiseDataGridColumns()

148 {

149 dgvItems.ColumnCount = 1; 150

1. // Set names of the columns
2. dgvItems.Columns[0].HeaderText = "שם";
3. dgvItems.Columns[0].AutoSizeMode = DataGridViewAutoSizeColumnMode.Fill;

|  |  |  |  |
| --- | --- | --- | --- |
| 154 |  |  | } |
| 155 |  |  |  |
| 156 |  |  | #endregion |
| 157 |  | } |  |
| 158 | } |  |  |
| 159 |  |  |  |