Министерство науки и высшего образования Российской Федерации

Федеральное государственное бюджетное образовательное учреждение высшего образования «Российский экономический университет имени Г.В. Плеханова»

Московский приборостроительный техникум

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| --- | --- | --- | --- | --- |
| УТВЕРЖДАЮ  Преподаватель |  |  |  | УТВЕРЖДАЮ  Преподаватель |
|  |  |  |  |  |
| \_\_\_\_\_\_\_\_\_\_ А.А. Шимбирёв |  |  |  | \_\_\_\_\_\_\_\_\_\_ А.А. Комаров |
|  |  |  |  |  |
| «\_\_\_» \_\_\_\_\_\_\_\_\_\_20\_\_ г. |  |  |  | «\_\_\_» \_\_\_\_\_\_\_\_\_\_20\_\_ г. |

Информационная система строительной организации

Текст программы

ЛИСТ УТВЕРЖДЕНИЯ

МПТ УП 02.01 П50-2-18 23-ЛУ

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|  |  |
| --- | --- |
|  | Менеджер проекта, студент группы П50-2-18 |
|  |  |
|  | \_\_\_\_\_\_\_\_\_\_ А.М. Суслин |
|  |  |
|  | «\_\_\_» \_\_\_\_\_\_\_\_\_\_20\_\_ г. |
|  | Ответственный исполнитель, студент группы П50-2-18 |
|  |  |
|  | \_\_\_\_\_\_\_\_\_\_ Д.М. Балаев |
|  |  |
|  | «\_\_\_» \_\_\_\_\_\_\_\_\_\_20\_\_ г. |

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ПРИЛОЖЕНИЕ И. ТЕКСТ ПРОГРАММЫ

Министерство науки и высшего образования Российской Федерации

Федеральное государственное бюджетное образовательное учреждение высшего образования «Российский экономический университет имени Г.В. Плеханова»

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2021

## АННОТАЦИЯ

В данном программном документе приведен C# скрипт информационной системы «Информационная система строительной организации «DP Repair Kit».

В данном программном документе, в разделе «ТЕКСТ ПРОГРАММЫ» указаны: Наименование программы, область применения программы, модули, код программы.

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## 1. ТЕКСТ ПРОГРАММЫ

### 1.1. Наименование программы

Наименование – «Информационная система строительной организации «DP Repair Kit».

### 1.2. Область применения программы

Программа предназначена для организации работы в строительной компании.

### 1.3. Модули

Таблица 1- Модули

| Модуль | Описание | Количество строк кода | Размер в (Кбайтах) |
| --- | --- | --- | --- |
| 1 | 2 | 3 | 4 |
| SQLManager.cs | Данный модуль отвечает за описание всех функций, используемых для работы с SQL Server. | 139 | 6 |
| WordDocGeneration.cs | Данный модуль отвечает за выполнения работы с Word (формирование отчета). | 85 | 4 |
| Admin.cs | Данный модуль отвечает за перемещение по всем формам, с доступам ко всем функциям. | 81 | 3 |
| Admin.Designer.cs | Данный модуль отвечает за визуальную часть от модуля Admin.cs | 144 | 8 |
| BrigadirAddRabochih.cs | Данный модуль отвечает за  возможность добавления рабочих в бригаду, просмотра состава бригады и перехода на форму просмотра информации о работах. | 112 | 5 |
| BrigadirAddRabochih.Designer.cs | Данный модуль отвечает за визуальную часть от модуля BrigadirAddRabochih.cs | 140 | 7 |
| BrigadirInfoORabotah.cs | Данный модуль отвечает за вывод все не выполненных работ и кнопкой завершения работы. | 68 | 3 |
| BrigadirInfoORabotah.Designer.cs | Данный модуль отвечает за визуальную часть от модуля BrigadirInfoORabotah.cs | 110 | 6 |
| BrigadirInfoORashMaterial.cs | Данный модуль отвечает за указания расходуемых материалов с указание количества, которое затрачено на строительство. | 147 | 7 |
| BrigadirInfoORashMaterial.Designer.cs | Данный модуль отвечает за визуальную часть от модуля BrigadirInfoORashMaterial.cs | 216 | 11 |
| GlavStroiUpr.cs | Данный модуль отвечает за возможность просмотра участков и техники на выбранных участках, а также с кнопками для перехода на формы добавления нового участка и привязки техники к участку. | 84 | 4 |
| GlavStroiUpr.Designer.cs | Данный модуль отвечает за визуальную часть от модуля GlavStroiUpr.cs | 155 | 9 |
| GlavStroiUprAddTechnic.cs | Данный модуль отвечает за добавление техники на объект выбор названия техники из выпадающего списка и указанием вводом количества. | 96 | 4 |
| GlavStroiUprAddTechnic.Designer.cs | Данный модуль отвечает за визуальную часть от модуля GlavStroiUprAddTechnic.cs | 149 | 8 |
| GlavStroiUprAddUchastok.cs | Данный модуль отвечает за добавление участка с выпадающего списка сотрудников, которые могу быть назначены на роль начальника участка и поле для ввода названия участка. | 108 | 4 |
| GlavStroiUprAddUchastok.Designer.cs | Данный модуль отвечает за визуальную часть от модуля GlavStroiUprAddUchastok.cs | 148 | 8 |
| HRmanager.cs | Данный модуль отвечает за наем новых сотрудников с указанием их фамилии, имени, отчества, номера телефона, должности, роли, логина и пароля. | 253 | 11 |
| HRmanager.Designer.cs | Данный модуль отвечает за визуальную часть от модуля HRmanager.cs | 306 | 16 |
| Login.cs | Данный модуль отвечает за авторизацию сотрудников, по завершению авторизации перенаправляет пользователя на форму соответствующую его роли. | 103 | 5 |
| Login.Designer.cs | Данный модуль отвечает за визуальную часть от модуля Login.cs | 148 | 8 |
| ManagerAtributsInfo.cs | Данный модуль отвечает за возможность просмотра и добавления дополнительных атрибутов объекту. | 122 | 6 |
| ManagerAtributsInfo.Designer.cs | Данный модуль отвечает за визуальную часть от модуля ManagerAtributsInfo.cs | 193 | 10 |
| ManagerRegObj.cs | Данный модуль отвечает за регистрацию нового объекта: выбор типа объекта, строительного участка, заказчика. | 137 | 6 |
| ManagerRegObj.Designer.cs | Данный модуль отвечает за визуальную часть от модуля ManagerRegObj.cs | 211 | 12 |
| ManagerRegZakaz.cs | Данный модуль отвечает за регистрацию нового заказчика ввод названия организации, номера телефона, номера ИНН. | 120 | 5 |
| ManagerRegZakaz.Designer.cs | Данный модуль отвечает за визуальную часть от модуля ManagerRegZakaz.cs | 173 | 9 |
| NachUchastka.cs | Данный модуль отвечает за просмотр объектов на участке, кнопкой создания отчета, выпадающим списком объектов и кнопкой добавления работ на объекте. | 174 | 8 |
| NachUchastka.Designer.cs | Данный модуль отвечает за визуальную часть от модуля NachUchastka.cs | 139 | 7 |
| NachUchastkaAddRabotiNaObj.cs | Данный модуль отвечает за добавление нового вида работы на объект, назначения бригадира и срока выполнения работы. | 119 | 6 |
| NachUchastkaAddRabotiNaObj.Designer.cs | Данный модуль отвечает за визуальную часть от модуля NachUchastkaAddRabotiNaObj.cs | 175 | 9 |

### 1.4. Код программы

1. SQLManager.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Data.SqlClient;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK.Class.SQL

{

class SQLManager

{

public SqlConnection conection = new SqlConnection(@"Data localhost;Initial Catalog=DP\_Repair\_Kit;Integrated Security=True");

SqlDataAdapter dataAdapter;

SqlCommand command;

DataSet dataSet;

/// <summary>

/// Возращает колличество строк в таблице

/// </summary>

/// <param name="tables">Таблица</param>

/// <returns>Количество строк</returns>

public int Number\_Records(string tables) => Convert.ToInt32(ReturnTable($@"select count(\*) as count from {tables} ").Rows[0][0]);

/// <summary>

/// Получение таблице по запросу

/// </summary>

/// <param name="sqlRequest">Запрос серверу</param>

/// <returns>Таблица выданная после выполнения запоса</returns>

public DataTable ReturnTable(string sqlRequest)

{

try

{

dataAdapter = new SqlDataAdapter($@"{sqlRequest}", conection);

DataTable table = new DataTable();

dataAdapter.Fill(table);

return table;

}

catch {

return new DataTable();

}

}

/// <summary>

/// Выполняет запрос по впереданному запросу

/// </summary>

/// <param name="sqlRequest">Передаваемый запрос</param>

/// <returns>Если чтото не так то передается текст ошибки если все хорошо возращается пустая строка</returns>

public string RequestSql(string sqlRequest)

{

try

{

command = new SqlCommand();

conection.Open();

command.Connection = conection;

command.CommandText = String.Format(sqlRequest);

command.ExecuteNonQuery();

conection.Close();

return "";

}

catch (Exception e)

{

conection.Close();

return e.Message.ToString();

}

}

/// <summary>

/// Добавление значений в ComboBox

/// </summary>

/// <param name="comboBox">В какой выпадающий список занаосить</param>

/// <param name="table">Таблица</param>

/// <param name="columnNumber">Колонка котрую надо заносить в выпаающий список</param>

public void AddComboBox(ComboBox comboBox, string table, int columnNumber)

{

DataTable dataTable = ReturnTable($@"select count(\*) as count from {table}");

if (dataTable.Rows.Count > 0)

{

int numberOfRecords = Number\_Records(table);

dataAdapter = new SqlDataAdapter($@"select \* from {table}", conection);

dataTable = new DataTable();

dataAdapter.Fill(dataTable);

for (int i = 0; i < numberOfRecords; i++)

{

comboBox.Items.Add(dataTable.Rows[i][columnNumber]);

}

}

}

/// <summary>

/// Вывод полученных данных после запроса в DataGridView

/// </summary>

/// <param name="dataGridView">В какой DataGridView заносить</param>

/// <param name="table">Таблица</param>

/// <param name="performance">Текст запроса</param>

public void GetList(DataGridView dataGridView, string table, string performance)

{

try

{

dataAdapter = new SqlDataAdapter(performance, conection);

dataSet = new DataSet();

conection.Open();

dataAdapter.Fill(dataSet, table);

dataGridView.DataSource = dataSet.Tables[table];

conection.Close();

}

catch {

conection.Close();

}

}

/// <summary>

/// Обновление значений

/// </summary>

/// <param name="table">Таблица в котрой нужно изменять данные</param>

/// <param name="field">Какое поле изменить</param>

/// <param name="value">Новое значение для поля</param>

/// <param name="nameID">Название уникального индификатора</param>

/// <param name="valueID">Значение индификатора у котрого производиться обновление данных</param>

public void Update\_Value(string table, string field, string value, string nameID, int valueID)

{

command = new SqlCommand();

conection.Open();

command.Connection = conection;

try

{

command.CommandText = String.Format($@"update {table} set {field}='{value}' where {nameID}='{valueID}'");

command.ExecuteNonQuery();

conection.Close();

}

catch

{

conection.Close();

}

}

}

}

2. WordDocGeneration.cs

using System;

using System.Collections.Generic;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using Xceed.Document.NET;

using Xceed.Words.NET;

namespace DPRK.Class.WordManager

{

class WordDocGeneration

{

SQL.SQLManager sqlManager = new SQL.SQLManager();

public string addFile(string valueObject, int[] idSubmissionWork, string [] titleObj,string region)

{

try

{

string pathDocument = AppDomain.CurrentDomain.BaseDirectory + $@"Отчет от {DateTime.Now.ToShortDateString()} {valueObject} Участок-{region}.docx";

DocX document = DocX.Create(pathDocument);

int i = 0;

foreach (int idSubm in idSubmissionWork)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Working\_Material\_Inform] ({idSubm})");

int countRow = dataTable.Rows.Count;

if (countRow > 0)

{

title(document, titleObj[i]);

title(document, "Используемые материалы: ");

Paragraph paragraph = document.InsertParagraph();

for (int j = 0; j < countRow; j++)

{

stringValue($@"{dataTable.Rows[j][4]} {dataTable.Rows[j][5]} штук", paragraph);

}

paragraph.AppendLine();

}

i++;

}

document.Save();

return pathDocument;

}

catch

{

return "Закройте файл.";

}

}

/// <summary>

/// Создание заголовка в word документе

/// </summary>

/// <param name="document">Документ с котрым работаем</param>

/// <param name="value">Значение для заголовка</param>

/// <returns></returns>

Alignment title(DocX document,string value)

{

return document.InsertParagraph(value).

Font("Times New Roman").

FontSize(10).

Color(Color.Black).

Bold().

Alignment = Alignment.center;

}

/// <summary>

/// Создание строки в документе word

/// </summary>

/// <param name="value">Значение для занесения</param>

/// <param name="paragraph">Параграф документа</param>

/// <returns>

/// Парашрафф с текстом

/// </returns>

Paragraph stringValue(string value,Paragraph paragraph)

{

paragraph.Alignment = Alignment.left;

return paragraph.AppendLine(value).

FontSize(12).

Font("Times New Roman").

Color(Color.Black);

}

}

}

3. Admin.Designer.cs

namespace DPRK

{

partial class Admin

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.headStation = new System.Windows.Forms.Button();

this.manager = new System.Windows.Forms.Button();

this.headConstructionDepartment = new System.Windows.Forms.Button();

this.brigadir = new System.Windows.Forms.Button();

this.hrManager = new System.Windows.Forms.Button();

this.exit = new System.Windows.Forms.Button();

this.SuspendLayout();

//

// headStation

//

this.headStation.BackColor = System.Drawing.Color.MediumTurquoise;

this.headStation.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.headStation.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.headStation.Location = new System.Drawing.Point(213, 25);

this.headStation.Name = "headStation";

this.headStation.Size = new System.Drawing.Size(329, 38);

this.headStation.TabIndex = 0;

this.headStation.Text = "Начальник участка";

this.headStation.UseVisualStyleBackColor = false;

this.headStation.Click += new System.EventHandler(this.headStation\_Click);

//

// manager

//

this.manager.BackColor = System.Drawing.Color.MediumTurquoise;

this.manager.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.manager.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.8F);

this.manager.Location = new System.Drawing.Point(213, 69);

this.manager.Name = "manager";

this.manager.Size = new System.Drawing.Size(155, 87);

this.manager.TabIndex = 1;

this.manager.Text = "Менеджер";

this.manager.UseVisualStyleBackColor = false;

this.manager.Click += new System.EventHandler(this.manager\_Click);

//

// headConstructionDepartment

//

this.headConstructionDepartment.BackColor = System.Drawing.Color.MediumTurquoise;

this.headConstructionDepartment.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.headConstructionDepartment.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.8F);

this.headConstructionDepartment.Location = new System.Drawing.Point(387, 69);

this.headConstructionDepartment.Name = "headConstructionDepartment";

this.headConstructionDepartment.Size = new System.Drawing.Size(155, 87);

this.headConstructionDepartment.TabIndex = 2;

this.headConstructionDepartment.Text = "Глава строитьного управления";

this.headConstructionDepartment.UseVisualStyleBackColor = false;

this.headConstructionDepartment.Click += new System.EventHandler(this.headConstructionDepartment\_Click);

//

// brigadir

//

this.brigadir.BackColor = System.Drawing.Color.MediumTurquoise;

this.brigadir.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.brigadir.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.8F);

this.brigadir.Location = new System.Drawing.Point(213, 174);

this.brigadir.Name = "brigadir";

this.brigadir.Size = new System.Drawing.Size(155, 87);

this.brigadir.TabIndex = 3;

this.brigadir.Text = "Бригадир";

this.brigadir.UseVisualStyleBackColor = false;

this.brigadir.Click += new System.EventHandler(this.brigadir\_Click);

//

// hrManager

//

this.hrManager.BackColor = System.Drawing.Color.MediumTurquoise;

this.hrManager.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.hrManager.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.8F);

this.hrManager.Location = new System.Drawing.Point(387, 174);

this.hrManager.Name = "hrManager";

this.hrManager.Size = new System.Drawing.Size(155, 87);

this.hrManager.TabIndex = 4;

this.hrManager.Text = "HR Менеджер";

this.hrManager.UseVisualStyleBackColor = false;

this.hrManager.Click += new System.EventHandler(this.hrManager\_Click);

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.exit.Location = new System.Drawing.Point(213, 281);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(329, 38);

this.exit.TabIndex = 5;

this.exit.Text = "Выйти";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// Admin

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(800, 450);

this.Controls.Add(this.exit);

this.Controls.Add(this.hrManager);

this.Controls.Add(this.brigadir);

this.Controls.Add(this.headConstructionDepartment);

this.Controls.Add(this.manager);

this.Controls.Add(this.headStation);

this.Name = "Admin";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "Admin";

this.ResumeLayout(false);

}

#endregion

private System.Windows.Forms.Button headStation;

private System.Windows.Forms.Button manager;

private System.Windows.Forms.Button headConstructionDepartment;

private System.Windows.Forms.Button brigadir;

private System.Windows.Forms.Button hrManager;

private System.Windows.Forms.Button exit;

}

}

4. Admin.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class Admin : Form

{

static string role = "Администратор информационной системы";

public Admin()

{

InitializeComponent();

}

/// <summary>

/// Нажатие на кнопку "Начальник участка"

/// </summary>

private void headStation\_Click(object sender, EventArgs e)

{

NachUchastka nachUchastka = new NachUchastka(role, 0);

nachUchastka.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Менеджер"

/// </summary>

private void manager\_Click(object sender, EventArgs e)

{

ManagerRegObj managerRegObj = new ManagerRegObj("Администратор Менеджер информационной системы");

managerRegObj.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Глава строительного управления"

/// </summary>

private void headConstructionDepartment\_Click(object sender, EventArgs e)

{

GlavStroiUpr glavStroiUpr = new GlavStroiUpr(role);

glavStroiUpr.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Бригадир"

/// </summary>

private void brigadir\_Click(object sender, EventArgs e)

{

BrigadirAddRabochih brigadirAddRabochih = new BrigadirAddRabochih(role, 0);

brigadirAddRabochih.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "HR менеджер"

/// </summary>

private void hrManager\_Click(object sender, EventArgs e)

{

HRmanager HRmanager = new HRmanager(role);

HRmanager.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Выйти" на форме Admin

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

Login loginForm = new Login();

loginForm.Show();

this.Hide();

}

}

}

5. BrigadirAddRabochih.Designer.cs

namespace DPRK

{

partial class BrigadirAddRabochih

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.employee = new System.Windows.Forms.ComboBox();

this.lable = new System.Windows.Forms.Label();

this.add = new System.Windows.Forms.Button();

this.listEmployee = new System.Windows.Forms.DataGridView();

this.exit = new System.Windows.Forms.Button();

this.listWorks = new System.Windows.Forms.Button();

((System.ComponentModel.ISupportInitialize)(this.listEmployee)).BeginInit();

this.SuspendLayout();

//

// employee

//

this.employee.BackColor = System.Drawing.Color.White;

this.employee.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.employee.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.employee.FormattingEnabled = true;

this.employee.Location = new System.Drawing.Point(48, 46);

this.employee.Name = "employee";

this.employee.Size = new System.Drawing.Size(407, 26);

this.employee.TabIndex = 0;

//

// lable

//

this.lable.AutoSize = true;

this.lable.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.lable.ForeColor = System.Drawing.Color.MediumTurquoise;

this.lable.Location = new System.Drawing.Point(44, 23);

this.lable.Name = "lable";

this.lable.Size = new System.Drawing.Size(146, 20);

this.lable.TabIndex = 1;

this.lable.Text = "Выбор рабочего";

//

// add

//

this.add.BackColor = System.Drawing.Color.MediumTurquoise;

this.add.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.add.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.add.Location = new System.Drawing.Point(477, 36);

this.add.Name = "add";

this.add.Size = new System.Drawing.Size(209, 36);

this.add.TabIndex = 2;

this.add.Text = "Добавить";

this.add.UseVisualStyleBackColor = false;

this.add.Click += new System.EventHandler(this.add\_Click);

//

// listEmployee

//

this.listEmployee.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.listEmployee.Location = new System.Drawing.Point(48, 95);

this.listEmployee.Name = "listEmployee";

this.listEmployee.RowHeadersWidth = 51;

this.listEmployee.RowTemplate.Height = 24;

this.listEmployee.Size = new System.Drawing.Size(799, 274);

this.listEmployee.TabIndex = 3;

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.exit.Location = new System.Drawing.Point(730, 36);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(117, 36);

this.exit.TabIndex = 4;

this.exit.Text = "Выход";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// listWorks

//

this.listWorks.BackColor = System.Drawing.Color.MediumTurquoise;

this.listWorks.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.listWorks.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.listWorks.Location = new System.Drawing.Point(316, 395);

this.listWorks.Name = "listWorks";

this.listWorks.Size = new System.Drawing.Size(237, 43);

this.listWorks.TabIndex = 5;

this.listWorks.Text = "Список работ";

this.listWorks.UseVisualStyleBackColor = false;

this.listWorks.Click += new System.EventHandler(this.listWorks\_Click);

//

// BrigadirAddRabochih

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(871, 450);

this.Controls.Add(this.listWorks);

this.Controls.Add(this.exit);

this.Controls.Add(this.listEmployee);

this.Controls.Add(this.add);

this.Controls.Add(this.lable);

this.Controls.Add(this.employee);

this.Name = "BrigadirAddRabochih";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "BrigadirAddRabochih";

((System.ComponentModel.ISupportInitialize)(this.listEmployee)).EndInit();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.ComboBox employee;

private System.Windows.Forms.Label lable;

private System.Windows.Forms.Button add;

private System.Windows.Forms.DataGridView listEmployee;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button listWorks;

}

}

6. BrigadirAddRabochih.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class BrigadirAddRabochih : Form

{

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

string roles;

int idForeman = 0;

public BrigadirAddRabochih()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компонентов, вывод рабочих под этим бригадиром

/// </summary>

/// <param name="roleReturn"> Переданная роль входящего</param>

/// <param name="idForemanReturn"> Переданный номер бригадира</param>

public BrigadirAddRabochih(string roleReturn,int idForemanReturn)

{

InitializeComponent();

roles = roleReturn;

idForeman = idForemanReturn;

if (roles == "Администратор информационной системы")

{

sqlManager.AddComboBox(employee, "[dbo].[Chief\_Brigades]", 0);

lable.Text = "Выбор бригадира";

add.Text = "Выбрать бригадира";

if (employee.Items.Count > 0)

{

employee.SelectedIndex = 0;

}

}

else

{

sqlManager.AddComboBox(employee, "[dbo].[Employee\_Raboch\_Inform]", 0);

sqlManager.GetList(listEmployee, "[dbo].[Sostav\_Brigadi]", $@"select \* from [dbo].[Output\_Workers] ({idForeman})");

}

}

/// <summary>

/// Нажатие на кнопку "Выход" на форме BrigadirAddRabochih для перехода на форму авторизации или админестратора

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

if (roles == "Администратор информационной системы")

{

Admin admin = new Admin();

admin.Show();

}

else

{

Login loginForm = new Login();

loginForm.Show();

}

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Список работ" на BrigadirAddRabochih переход на форму BrigadirInfoORabotah

/// </summary>

private void listWorks\_Click(object sender, EventArgs e)

{

BrigadirInfoORabotah brigadirInfoORabotah = new BrigadirInfoORabotah(idForeman,roles);

brigadirInfoORabotah.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку для добавления сотрудника в (БД) бригаду или выбора бригадира при заходе под админестратором.

/// Вывод рабочих из под выбранном бригадиром

/// </summary>

private void add\_Click(object sender, EventArgs e)

{

if (employee.Text != "")

{

if (idForeman == 0)

{

idForeman = Convert.ToInt32(sqlManager.ReturnTable($@"select \* from [dbo].[Brigadir\_Search] ('{employee.Text}')").Rows[0][0]);

lable.Text = "Выбор рабочего";

add.Text = "Добавить рабочего";

employee.Items.Clear();

sqlManager.AddComboBox(employee, "[dbo].[Employee\_Raboch\_Inform]", 0);

sqlManager.GetList(listEmployee, "[dbo].[Sostav\_Brigadi]", $@"select \* from [dbo].[Output\_Workers] ({idForeman})");

if (employee.Items.Count > 0)

{

employee.SelectedIndex = 0;

}

}

else

{

int idEmployee = Convert.ToInt32(sqlManager.ReturnTable($@"select \* from [dbo].[Employee\_Search] ('{employee.Text}')").Rows[0][0]);

sqlManager.RequestSql($@"insert into [dbo].[Sostav\_Brigadi] values ({idForeman},{idEmployee})");

sqlManager.GetList(listEmployee, "[dbo].[Sostav\_Brigadi]", $@"select \* from [dbo].[Output\_Workers] ({idForeman})");

}

}

else

{

MessageBox.Show("Надо выбрать сотрудника из выпадающего списка.");

}

}

}

}

7. BrigadirInfoORabotah.Designer.cs

namespace DPRK

{

partial class BrigadirInfoORabotah

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.information = new System.Windows.Forms.DataGridView();

this.exit = new System.Windows.Forms.Button();

this.finishWork = new System.Windows.Forms.Button();

((System.ComponentModel.ISupportInitialize)(this.information)).BeginInit();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(244, 27);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(284, 29);

this.label1.TabIndex = 0;

this.label1.Text = "Информация о работах";

//

// information

//

this.information.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.information.Location = new System.Drawing.Point(27, 77);

this.information.Name = "information";

this.information.RowHeadersWidth = 51;

this.information.RowTemplate.Height = 24;

this.information.Size = new System.Drawing.Size(743, 267);

this.information.TabIndex = 1;

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.exit.Location = new System.Drawing.Point(27, 375);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(93, 38);

this.exit.TabIndex = 2;

this.exit.Text = "Выход";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// finishWork

//

this.finishWork.BackColor = System.Drawing.Color.MediumTurquoise;

this.finishWork.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.finishWork.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.finishWork.Location = new System.Drawing.Point(496, 375);

this.finishWork.Name = "finishWork";

this.finishWork.Size = new System.Drawing.Size(274, 38);

this.finishWork.TabIndex = 3;

this.finishWork.Text = "Завершить работу";

this.finishWork.UseVisualStyleBackColor = false;

this.finishWork.Click += new System.EventHandler(this.finishWork\_Click);

//

// BrigadirInfoORabotah

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(800, 450);

this.Controls.Add(this.finishWork);

this.Controls.Add(this.exit);

this.Controls.Add(this.information);

this.Controls.Add(this.label1);

this.Name = "BrigadirInfoORabotah";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "BrigadirInfoORabotah";

((System.ComponentModel.ISupportInitialize)(this.information)).EndInit();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.DataGridView information;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button finishWork;

}

}

8. BrigadirInfoORabotah.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class BrigadirInfoORabotah : Form

{

int idBrigad;

string role;

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

public BrigadirInfoORabotah()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компоненотов и вывод работ на объектах у котрых статус не "Работа выполнена"

/// </summary>

/// <param name="idBrigada">Номер бригадира</param>

/// <param name="roles">Роль сотрудника котрый зашел</param>

public BrigadirInfoORabotah(int idBrigada, string roles)

{

InitializeComponent();

idBrigad = idBrigada;

role = roles;

sqlManager.GetList(information, "[dbo].[Raboti\_Na\_Obiecte]", $@"select \* from [dbo].[List\_Worke] ({idBrigad})");

information.Columns[0].Visible = false;

}

/// <summary>

/// Нажатие на кнопку "Выйти" на форме BrigadirInfoORabotah,

/// переход на форму BrigadirAddRabochih

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

if (role == "Администратор информационной системы")

{

idBrigad = 0;

}

BrigadirAddRabochih brigadirAddRabochih = new BrigadirAddRabochih(role,idBrigad);

brigadirAddRabochih.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Завершить работу", переход на форму BrigadirInfoORashMaterial

/// </summary>

private void finishWork\_Click(object sender, EventArgs e)

{

if (information.Rows.Count > 1)

{

int idrow = information.CurrentRow.Index;

int idWorkeObject = Convert.ToInt32(information.Rows[idrow].Cells[0].Value);

BrigadirInfoORashMaterial brigadirInfoORashMaterial = new BrigadirInfoORashMaterial(idWorkeObject, role,idBrigad);

brigadirInfoORashMaterial.Show();

this.Hide();

}

}

}

}

9. BrigadirInfoORashMaterial.Designer.cs

namespace DPRK

{

partial class BrigadirInfoORashMaterial

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.material = new System.Windows.Forms.ComboBox();

this.label2 = new System.Windows.Forms.Label();

this.value = new System.Windows.Forms.TextBox();

this.label3 = new System.Windows.Forms.Label();

this.informAtribute = new System.Windows.Forms.DataGridView();

this.Column1 = new System.Windows.Forms.DataGridViewTextBoxColumn();

this.Column2 = new System.Windows.Forms.DataGridViewTextBoxColumn();

this.add = new System.Windows.Forms.Button();

this.delete = new System.Windows.Forms.Button();

this.confirm = new System.Windows.Forms.Button();

this.exit = new System.Windows.Forms.Button();

((System.ComponentModel.ISupportInitialize)(this.informAtribute)).BeginInit();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(167, 23);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(490, 29);

this.label1.TabIndex = 0;

this.label1.Text = "Информация о расходуюмых материалах";

//

// material

//

this.material.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.material.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.material.FormattingEnabled = true;

this.material.Location = new System.Drawing.Point(47, 98);

this.material.Name = "material";

this.material.Size = new System.Drawing.Size(327, 26);

this.material.TabIndex = 1;

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(43, 75);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(93, 20);

this.label2.TabIndex = 2;

this.label2.Text = "Материал";

//

// value

//

this.value.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.value.Location = new System.Drawing.Point(47, 165);

this.value.Name = "value";

this.value.Size = new System.Drawing.Size(327, 24);

this.value.TabIndex = 3;

this.value.KeyPress += new System.Windows.Forms.KeyPressEventHandler(this.value\_KeyPress);

//

// label3

//

this.label3.AutoSize = true;

this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label3.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label3.Location = new System.Drawing.Point(43, 142);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(91, 20);

this.label3.TabIndex = 4;

this.label3.Text = "Значение";

//

// informAtribute

//

this.informAtribute.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.informAtribute.Columns.AddRange(new System.Windows.Forms.DataGridViewColumn[] {

this.Column1,

this.Column2});

this.informAtribute.Location = new System.Drawing.Point(430, 75);

this.informAtribute.Name = "informAtribute";

this.informAtribute.RowHeadersWidth = 51;

this.informAtribute.RowTemplate.Height = 24;

this.informAtribute.Size = new System.Drawing.Size(421, 360);

this.informAtribute.TabIndex = 5;

//

// Column1

//

this.Column1.HeaderText = "Материал";

this.Column1.MinimumWidth = 6;

this.Column1.Name = "Column1";

this.Column1.Width = 125;

//

// Column2

//

this.Column2.HeaderText = "Значение";

this.Column2.MinimumWidth = 6;

this.Column2.Name = "Column2";

this.Column2.Width = 125;

//

// add

//

this.add.BackColor = System.Drawing.Color.MediumTurquoise;

this.add.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.add.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.add.Location = new System.Drawing.Point(47, 215);

this.add.Name = "add";

this.add.Size = new System.Drawing.Size(166, 44);

this.add.TabIndex = 6;

this.add.Text = "Добавить";

this.add.UseVisualStyleBackColor = false;

this.add.Click += new System.EventHandler(this.add\_Click);

//

// delete

//

this.delete.BackColor = System.Drawing.Color.MediumTurquoise;

this.delete.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.delete.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F);

this.delete.Location = new System.Drawing.Point(229, 215);

this.delete.Name = "delete";

this.delete.Size = new System.Drawing.Size(145, 44);

this.delete.TabIndex = 7;

this.delete.Text = "Удалить";

this.delete.UseVisualStyleBackColor = false;

this.delete.Click += new System.EventHandler(this.delete\_Click);

//

// confirm

//

this.confirm.BackColor = System.Drawing.Color.MediumTurquoise;

this.confirm.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.confirm.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F);

this.confirm.Location = new System.Drawing.Point(47, 276);

this.confirm.Name = "confirm";

this.confirm.Size = new System.Drawing.Size(166, 46);

this.confirm.TabIndex = 8;

this.confirm.Text = "Подтвердить";

this.confirm.UseVisualStyleBackColor = false;

this.confirm.Click += new System.EventHandler(this.confirm\_Click);

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F);

this.exit.Location = new System.Drawing.Point(229, 276);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(145, 46);

this.exit.TabIndex = 9;

this.exit.Text = "Выйти";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// BrigadirInfoORashMaterial

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(875, 450);

this.Controls.Add(this.exit);

this.Controls.Add(this.confirm);

this.Controls.Add(this.delete);

this.Controls.Add(this.add);

this.Controls.Add(this.informAtribute);

this.Controls.Add(this.label3);

this.Controls.Add(this.value);

this.Controls.Add(this.label2);

this.Controls.Add(this.material);

this.Controls.Add(this.label1);

this.Name = "BrigadirInfoORashMaterial";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "BrigadirInfoORashMaterial";

((System.ComponentModel.ISupportInitialize)(this.informAtribute)).EndInit();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.ComboBox material;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.TextBox value;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.DataGridView informAtribute;

private System.Windows.Forms.Button add;

private System.Windows.Forms.Button delete;

private System.Windows.Forms.Button confirm;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.DataGridViewTextBoxColumn Column1;

private System.Windows.Forms.DataGridViewTextBoxColumn Column2;

}

}

10. BrigadirInfoORashMaterial.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class BrigadirInfoORashMaterial : Form

{

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

int idWorking;

string roles;

int idBrig;

public BrigadirInfoORashMaterial()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компонентов, занесение в выпадающий список материалов

/// </summary>

/// <param name="idwoek">Номер работы на объекте</param>

/// <param name="role">Роль сотрудника котрый зашел</param>

/// <param name="idBrigad"> Номер бригадира</param>

public BrigadirInfoORashMaterial(int idwoek,string role,int idBrigad)

{

InitializeComponent();

idWorking = idwoek;

idBrig = idBrigad;

roles = role;

sqlManager.AddComboBox(material, "[dbo].[Material]", 1);

}

/// <summary>

/// Нажатие на кнопку "Выйти" на форме BrigadirInfoORashMaterial котрый переходит на BrigadirAddRabochih

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

if (roles == "Администратор информационной системы")

{

idBrig = 0;

}

BrigadirAddRabochih brigadirAddRabochih = new BrigadirAddRabochih(roles, idBrig);

brigadirAddRabochih.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Подтвердить" чтобы изменить статус работы на объекте и занчение расходуемых материалов в БД

/// </summary>

private void confirm\_Click(object sender, EventArgs e)

{

if (informAtribute.Rows.Count > 1)

{

sqlManager.Update\_Value("[dbo].[Raboti\_Na\_Obiecte]", "[dbo].[Raboti\_Na\_Obiecte].[Status]", "Работа выполнена", "[dbo].[Raboti\_Na\_Obiecte].[ID\_Raboti\_Na\_Obiecte]", idWorking);

string message = sqlManager.RequestSql($@"insert into [dbo].[Sdacha\_Rabot] values ('{DateTime.Now.ToShortDateString()}',{idWorking})");

if (message == "")

{

int idSdachRabot = Convert.ToInt32(sqlManager.ReturnTable($@"select max([dbo].[Sdacha\_Rabot].[ID\_Sdachi\_Rabot]) from [dbo].[Sdacha\_Rabot]").Rows[0][0]);

for (int i = 0; i < informAtribute.Rows.Count - 1; i++)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Material] where [dbo].[Material].[Name] = '{informAtribute.Rows[i].Cells[0].Value}'");

int attributeNumber = Convert.ToInt32(dataTable.Rows[0][0]);

string valueDataGrid = informAtribute.Rows[i].Cells[1].Value.ToString();

sqlManager.RequestSql($@"insert into [dbo].[Rashod\_Materialov] values ({valueDataGrid},{attributeNumber},{idSdachRabot})");

}

BrigadirAddRabochih brigadirAddRabochih = new BrigadirAddRabochih(roles, idBrig);

brigadirAddRabochih.Show();

this.Hide();

}

else

{

BrigadirAddRabochih brigadirAddRabochih = new BrigadirAddRabochih(roles, idBrig);

brigadirAddRabochih.Show();

this.Hide();

MessageBox.Show("Такие работы уже завершены.");

}

}

else

{

MessageBox.Show("Введите значения атрибутов.");

}

}

/// <summary>

/// Удаление записи из списка

/// </summary>

private void delete\_Click(object sender, EventArgs e)

{

informAtribute.Rows.RemoveAt(informAtribute.SelectedCells[0].RowIndex);

}

/// <summary>

/// Добавление записи в список

/// </summary>

private void add\_Click(object sender, EventArgs e)

{

if (material.Text != "")

{

if (value.Text.Replace(" ", string.Empty).Length < 1)

{

MessageBox.Show("Вы не ввели значение для атрибута ");

}

else

{

if (Convert.ToInt32(value.Text) < 1)

{

MessageBox.Show("Значение должно быть больше нуля.");

}

else

{

if (value.Text.Length > 50)

{

MessageBox.Show("Значение не более 50 символов.");

}

else

{

int rowNumber = informAtribute.Rows.Add();

informAtribute.Rows[rowNumber].Cells[0].Value = material.Text;

informAtribute.Rows[rowNumber].Cells[1].Value = Convert.ToInt32(value.Text);

}

}

}

}

else

{

MessageBox.Show("Вы не выбрали материал.");

}

}

/// <summary>

/// Ограничения ввода символов в поле value

/// </summary>

private void value\_KeyPress(object sender, KeyPressEventArgs e)

{

if (!Char.IsDigit(e.KeyChar) && e.KeyChar != Convert.ToInt32(Keys.Back) )

{

e.Handled = true;

}

}

}

}

11. GlavStroiUpr.Designer.cs

namespace DPRK

{

partial class GlavStroiUpr

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.informationRegion = new System.Windows.Forms.DataGridView();

this.informationConstructionEquipment = new System.Windows.Forms.DataGridView();

this.exit = new System.Windows.Forms.Button();

this.addRegion = new System.Windows.Forms.Button();

this.addConstructionEquipment = new System.Windows.Forms.Button();

((System.ComponentModel.ISupportInitialize)(this.informationRegion)).BeginInit();

((System.ComponentModel.ISupportInitialize)(this.informationConstructionEquipment)).BeginInit();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(93, 78);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(253, 25);

this.label1.TabIndex = 0;

this.label1.Text = "Информация об участках";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 12F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(543, 78);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(385, 25);

this.label2.TabIndex = 1;

this.label2.Text = "Информация об строительной технике";

//

// informationRegion

//

this.informationRegion.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.informationRegion.Location = new System.Drawing.Point(35, 118);

this.informationRegion.Name = "informationRegion";

this.informationRegion.RowHeadersWidth = 51;

this.informationRegion.RowTemplate.Height = 24;

this.informationRegion.Size = new System.Drawing.Size(407, 299);

this.informationRegion.TabIndex = 2;

//

// informationConstructionEquipment

//

this.informationConstructionEquipment.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.informationConstructionEquipment.Location = new System.Drawing.Point(534, 118);

this.informationConstructionEquipment.Name = "informationConstructionEquipment";

this.informationConstructionEquipment.RowHeadersWidth = 51;

this.informationConstructionEquipment.RowTemplate.Height = 24;

this.informationConstructionEquipment.Size = new System.Drawing.Size(407, 299);

this.informationConstructionEquipment.TabIndex = 3;

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.exit.Location = new System.Drawing.Point(875, 12);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(94, 34);

this.exit.TabIndex = 4;

this.exit.Text = "Выйти";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// addRegion

//

this.addRegion.BackColor = System.Drawing.Color.MediumTurquoise;

this.addRegion.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.addRegion.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.addRegion.Location = new System.Drawing.Point(135, 446);

this.addRegion.Name = "addRegion";

this.addRegion.Size = new System.Drawing.Size(116, 34);

this.addRegion.TabIndex = 5;

this.addRegion.Text = "Добавить";

this.addRegion.UseVisualStyleBackColor = false;

this.addRegion.Click += new System.EventHandler(this.addRegion\_Click);

//

// addConstructionEquipment

//

this.addConstructionEquipment.BackColor = System.Drawing.Color.MediumTurquoise;

this.addConstructionEquipment.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.addConstructionEquipment.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.addConstructionEquipment.Location = new System.Drawing.Point(636, 446);

this.addConstructionEquipment.Name = "addConstructionEquipment";

this.addConstructionEquipment.Size = new System.Drawing.Size(208, 34);

this.addConstructionEquipment.TabIndex = 6;

this.addConstructionEquipment.Text = "Добавить технику";

this.addConstructionEquipment.UseVisualStyleBackColor = false;

this.addConstructionEquipment.Click += new System.EventHandler(this.addConstructionEquipment\_Click);

//

// GlavStroiUpr

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(981, 538);

this.Controls.Add(this.addConstructionEquipment);

this.Controls.Add(this.addRegion);

this.Controls.Add(this.exit);

this.Controls.Add(this.informationConstructionEquipment);

this.Controls.Add(this.informationRegion);

this.Controls.Add(this.label2);

this.Controls.Add(this.label1);

this.Name = "GlavStroiUpr";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "GlavStroiUpr";

((System.ComponentModel.ISupportInitialize)(this.informationRegion)).EndInit();

((System.ComponentModel.ISupportInitialize)(this.informationConstructionEquipment)).EndInit();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.DataGridView informationRegion;

private System.Windows.Forms.DataGridView informationConstructionEquipment;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button addRegion;

private System.Windows.Forms.Button addConstructionEquipment;

}

}

12. GlavStroiUpr.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class GlavStroiUpr : Form

{

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

string roles;

public GlavStroiUpr()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компонентов, добавление информации обучастках.

/// А также информация об строительной технике

/// </summary>

/// <param name="role">Роль вошедшего</param>

public GlavStroiUpr(string role)

{

InitializeComponent();

roles = role;

sqlManager.GetList(informationRegion, "[dbo].[Uchastok]", "select \* from [dbo].[Information\_About\_Land\_Plots]");

sqlManager.GetList(informationConstructionEquipment, "[dbo].[Tekhnica\_Na\_Uchastke]", "select \* from [dbo].[Equipment\_On\_The\_Site]");

}

/// <summary>

/// Нажатие на кнопку "Добавить" на форме GlavStroiUpr для перехода на форму GlavStroiUprAddUchastok

/// </summary>

private void addRegion\_Click(object sender, EventArgs e)

{

GlavStroiUprAddUchastok glavStroiUprAddUchastok = new GlavStroiUprAddUchastok(roles);

glavStroiUprAddUchastok.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Добавть технику" на фоме GlavStroiUpr для перехода на форму GlavStroiUprAddTechnic.

/// Здесь происходит обноружение к какому участку мы будем добавтьть технику

/// </summary>

private void addConstructionEquipment\_Click(object sender, EventArgs e)

{

string rowValue = informationRegion.Rows[informationRegion.CurrentRow.Index].Cells[1].Value.ToString();

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Uchastok] where [dbo].[Uchastok].[Name] = '{rowValue}'");

if (dataTable.Rows.Count > 0)

{

int idRegion = Convert.ToInt32(dataTable.Rows[0][0]);

GlavStroiUprAddTechnic stroiUprAddTechnic = new GlavStroiUprAddTechnic(roles,idRegion);

stroiUprAddTechnic.Show();

this.Hide();

}

}

/// <summary>

/// Нажатие на кнопку "Выход" на форме GlavStroiUpr для перехода на форму авторизации или админестратора

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

private void exit\_Click(object sender, EventArgs e)

{

if (roles == "Глава строительного управления")

{

Login loginForm = new Login();

loginForm.Show();

}

else

{

Admin admin = new Admin();

admin.Show();

}

this.Hide();

}

}

}

13. GlavStroiUprAddTechnic.Designer.cs

namespace DPRK

{

partial class GlavStroiUprAddTechnic

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.nameTechnic = new System.Windows.Forms.ComboBox();

this.label4 = new System.Windows.Forms.Label();

this.quantity = new System.Windows.Forms.TextBox();

this.cancle = new System.Windows.Forms.Button();

this.confirm = new System.Windows.Forms.Button();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(276, 28);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(256, 29);

this.label1.TabIndex = 0;

this.label1.Text = "Добавление техники";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(205, 76);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(206, 20);

this.label2.TabIndex = 1;

this.label2.Text = "Наименование техники";

//

// nameTechnic

//

this.nameTechnic.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.nameTechnic.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.nameTechnic.FormattingEnabled = true;

this.nameTechnic.Location = new System.Drawing.Point(209, 99);

this.nameTechnic.Name = "nameTechnic";

this.nameTechnic.Size = new System.Drawing.Size(345, 26);

this.nameTechnic.TabIndex = 2;

this.nameTechnic.SelectedIndexChanged += new System.EventHandler(this.nameTechnic\_SelectedIndexChanged);

//

// label4

//

this.label4.AutoSize = true;

this.label4.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label4.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label4.Location = new System.Drawing.Point(205, 147);

this.label4.Name = "label4";

this.label4.Size = new System.Drawing.Size(119, 20);

this.label4.TabIndex = 5;

this.label4.Text = "Колличество";

//

// quantity

//

this.quantity.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.quantity.Location = new System.Drawing.Point(209, 170);

this.quantity.Name = "quantity";

this.quantity.Size = new System.Drawing.Size(345, 27);

this.quantity.TabIndex = 6;

this.quantity.KeyPress += new System.Windows.Forms.KeyPressEventHandler(this.quantity\_KeyPress);

//

// cancle

//

this.cancle.BackColor = System.Drawing.Color.MediumTurquoise;

this.cancle.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.cancle.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.cancle.Location = new System.Drawing.Point(207, 231);

this.cancle.Name = "cancle";

this.cancle.Size = new System.Drawing.Size(117, 41);

this.cancle.TabIndex = 7;

this.cancle.Text = "Отменить";

this.cancle.UseVisualStyleBackColor = false;

this.cancle.Click += new System.EventHandler(this.cancle\_Click);

//

// confirm

//

this.confirm.BackColor = System.Drawing.Color.MediumTurquoise;

this.confirm.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.confirm.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.confirm.Location = new System.Drawing.Point(399, 231);

this.confirm.Name = "confirm";

this.confirm.Size = new System.Drawing.Size(155, 41);

this.confirm.TabIndex = 8;

this.confirm.Text = "Подтвердить";

this.confirm.UseVisualStyleBackColor = false;

this.confirm.Click += new System.EventHandler(this.confirm\_Click);

//

// GlavStroiUprAddTechnic

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(800, 450);

this.Controls.Add(this.confirm);

this.Controls.Add(this.cancle);

this.Controls.Add(this.quantity);

this.Controls.Add(this.label4);

this.Controls.Add(this.nameTechnic);

this.Controls.Add(this.label2);

this.Controls.Add(this.label1);

this.Name = "GlavStroiUprAddTechnic";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "GlavStroiUprAddTechnic";

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.ComboBox nameTechnic;

private System.Windows.Forms.Label label4;

private System.Windows.Forms.TextBox quantity;

private System.Windows.Forms.Button cancle;

private System.Windows.Forms.Button confirm;

}

}

14. GlavStroiUprAddTechnic.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class GlavStroiUprAddTechnic : Form

{

int idTechnic;

int idRegion;

string roles;

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

public GlavStroiUprAddTechnic()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компонентов, добавление наименовании техники в выпадающей список

/// </summary>

/// <param name="role">Роль вошедшего</param>

/// <param name="idRegional">Номер участка</param>

public GlavStroiUprAddTechnic(string role, int idRegional)

{

InitializeComponent();

roles = role;

idRegion = idRegional;

sqlManager.AddComboBox(nameTechnic, "[dbo].[Stroitelnaya\_Tekhnica]", 1);

}

/// <summary>

/// Ограничения ввода в quantity (колличество)

/// </summary>

private void quantity\_KeyPress(object sender, KeyPressEventArgs e)

{

if (!Char.IsDigit(e.KeyChar) && e.KeyChar != Convert.ToInt32(Keys.Back) )

{

e.Handled = true;

}

}

/// <summary>

/// Нажатие на кнопку "Отменить" на форме GlavStroiUprAddTechnic для перехода на форму GlavStroiUpr

/// </summary>

private void cancle\_Click(object sender, EventArgs e)

{

GlavStroiUpr glavStroiUpr = new GlavStroiUpr(roles);

glavStroiUpr.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Подтвердить" для заненсеня техники на участок в БД

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

private void confirm\_Click(object sender, EventArgs e)

{

if ( nameTechnic.Text == "")

{

MessageBox.Show("Надо выбрать наименование техники.");

}

else

{

if (quantity.Text == "" || Convert.ToInt32(quantity.Text) < 1)

{

MessageBox.Show("Надо ввести колличество больше нуля.");

}

else

{

sqlManager.RequestSql($@"insert into [dbo].[Tekhnica\_Na\_Uchastke] values ({Convert.ToInt32(quantity.Text)},{idRegion},{idTechnic})");

GlavStroiUpr glavStroiUpr = new GlavStroiUpr(roles);

glavStroiUpr.Show();

this.Hide();

}

}

}

/// <summary>

/// Получение номера техники при выборе значения

/// </summary>

private void nameTechnic\_SelectedIndexChanged(object sender, EventArgs e)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Stroitelnaya\_Tekhnica] where [dbo].[Stroitelnaya\_Tekhnica].[Name] = '{nameTechnic.Text}'");

if (dataTable.Rows.Count > 0)

idTechnic = Convert.ToInt32(dataTable.Rows[0][0]);

}

}

}

15. GlavStroiUprAddUchastok.Designer.cs

namespace DPRK

{

partial class GlavStroiUprAddUchastok

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.chief = new System.Windows.Forms.ComboBox();

this.label3 = new System.Windows.Forms.Label();

this.confirm = new System.Windows.Forms.Button();

this.cancel = new System.Windows.Forms.Button();

this.region = new System.Windows.Forms.TextBox();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(292, 26);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(249, 29);

this.label1.TabIndex = 0;

this.label1.Text = "Добавление участка";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(228, 71);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(215, 20);

this.label2.TabIndex = 1;

this.label2.Text = "Назначение начальника";

//

// chief

//

this.chief.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.chief.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.chief.FormattingEnabled = true;

this.chief.Location = new System.Drawing.Point(232, 94);

this.chief.Name = "chief";

this.chief.Size = new System.Drawing.Size(345, 26);

this.chief.TabIndex = 2;

this.chief.SelectedIndexChanged += new System.EventHandler(this.chief\_SelectedIndexChanged);

//

// label3

//

this.label3.AutoSize = true;

this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label3.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label3.Location = new System.Drawing.Point(228, 136);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(162, 20);

this.label3.TabIndex = 3;

this.label3.Text = "Название участка";

//

// confirm

//

this.confirm.BackColor = System.Drawing.Color.MediumTurquoise;

this.confirm.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.confirm.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.confirm.Location = new System.Drawing.Point(428, 206);

this.confirm.Name = "confirm";

this.confirm.Size = new System.Drawing.Size(149, 43);

this.confirm.TabIndex = 5;

this.confirm.Text = "Подтвердить";

this.confirm.UseVisualStyleBackColor = false;

this.confirm.Click += new System.EventHandler(this.confirm\_Click);

//

// cancel

//

this.cancel.BackColor = System.Drawing.Color.MediumTurquoise;

this.cancel.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.cancel.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.cancel.Location = new System.Drawing.Point(232, 206);

this.cancel.Name = "cancel";

this.cancel.Size = new System.Drawing.Size(149, 43);

this.cancel.TabIndex = 6;

this.cancel.Text = "Отменить";

this.cancel.UseVisualStyleBackColor = false;

this.cancel.Click += new System.EventHandler(this.cancel\_Click);

//

// region

//

this.region.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.region.Location = new System.Drawing.Point(232, 159);

this.region.Name = "region";

this.region.Size = new System.Drawing.Size(345, 24);

this.region.TabIndex = 7;

//

// GlavStroiUprAddUchastok

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(800, 450);

this.Controls.Add(this.region);

this.Controls.Add(this.cancel);

this.Controls.Add(this.confirm);

this.Controls.Add(this.label3);

this.Controls.Add(this.chief);

this.Controls.Add(this.label2);

this.Controls.Add(this.label1);

this.Name = "GlavStroiUprAddUchastok";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "GlavStroiUprAddUchastok";

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.ComboBox chief;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.Button confirm;

private System.Windows.Forms.Button cancel;

private System.Windows.Forms.TextBox region;

}

}

16. GlavStroiUprAddUchastok.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class GlavStroiUprAddUchastok : Form

{

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

string role;

int idChief;

public GlavStroiUprAddUchastok()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компонентов и добавления в выпадающий список всех начадбников участка

/// </summary>

/// <param name="roles">Роль вошедшего</param>

public GlavStroiUprAddUchastok(string roles)

{

InitializeComponent();

role = roles;

sqlManager.AddComboBox(chief, "[dbo].[Full\_Name\_Chief]", 1);

if (chief.Items.Count > 0)

{

chief.SelectedIndex = 0;

}

}

/// <summary>

/// Нажатие на кнопку "Подтвердить" для создания участка в БД

/// </summary>

private void confirm\_Click(object sender, EventArgs e)

{

if (region.Text.Replace(" ", string.Empty).Length < 1 || region.Text == "")

{

MessageBox.Show("Вы не ввели название участка");

}

else

{

if (chief.Text != "")

{

if (sqlManager.RequestSql($@"insert into [dbo].[Uchastok] values ({idChief},'{region.Text}')") == "")

{

exit\_Employye();

}

else

{

MessageBox.Show("Участок с таким наименованием уже существует.");

}

}

else

{

MessageBox.Show("Выберете начальника.");

}

}

}

/// <summary>

/// Получение номера начальника участка

/// </summary>

private void chief\_SelectedIndexChanged(object sender, EventArgs e)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Full\_Name\_Chief] where [dbo].[Full\_Name\_Chief].[ФИО] = '{chief.Text}'");

if (dataTable.Rows.Count > 0)

idChief = Convert.ToInt32(dataTable.Rows[0][0]);

}

/// <summary>

/// Нажатие на кнопку "Отменить" на форме GlavStroiUprAddUchastok для перехода на менеджера

/// или главы строительного управления

/// </summary>

private void cancel\_Click(object sender, EventArgs e)

{

exit\_Employye();

}

/// <summary>

/// Метод для перехода по формам в зависемости от роли

/// </summary>

void exit\_Employye()

{

switch (role)

{

case "Менеджер по работе с клиентами":

ManagerRegObj managerRegObj = new ManagerRegObj(role);

managerRegObj.Show();

break;

case "Глава строительного управления":

GlavStroiUpr glavStroiUpr = new GlavStroiUpr(role);

glavStroiUpr.Show();

break;

case "Администратор Менеджер информационной системы":

ManagerRegObj managerRegObj2 = new ManagerRegObj(role);

managerRegObj2.Show();

break;

default:

GlavStroiUpr glavStroiUpr2 = new GlavStroiUpr(role);

glavStroiUpr2.Show();

this.Hide();

break;

}

this.Hide();

}

}

}

17. HRmanager.Designer.cs

namespace DPRK

{

partial class HRmanager

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.surName = new System.Windows.Forms.TextBox();

this.label3 = new System.Windows.Forms.Label();

this.name = new System.Windows.Forms.TextBox();

this.label4 = new System.Windows.Forms.Label();

this.login = new System.Windows.Forms.TextBox();

this.label5 = new System.Windows.Forms.Label();

this.patronymic = new System.Windows.Forms.TextBox();

this.phoneNumber = new System.Windows.Forms.MaskedTextBox();

this.label6 = new System.Windows.Forms.Label();

this.label7 = new System.Windows.Forms.Label();

this.password = new System.Windows.Forms.TextBox();

this.label8 = new System.Windows.Forms.Label();

this.label9 = new System.Windows.Forms.Label();

this.post = new System.Windows.Forms.ComboBox();

this.role = new System.Windows.Forms.ComboBox();

this.exit = new System.Windows.Forms.Button();

this.add = new System.Windows.Forms.Button();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(234, 33);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(294, 29);

this.label1.TabIndex = 0;

this.label1.Text = "Добавление сотрудника";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(72, 76);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(87, 20);

this.label2.TabIndex = 1;

this.label2.Text = "Фамилия";

//

// surName

//

this.surName.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.surName.Location = new System.Drawing.Point(76, 99);

this.surName.Name = "surName";

this.surName.Size = new System.Drawing.Size(180, 24);

this.surName.TabIndex = 2;

this.surName.KeyPress += new System.Windows.Forms.KeyPressEventHandler(this.surName\_KeyPress);

//

// label3

//

this.label3.AutoSize = true;

this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label3.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label3.Location = new System.Drawing.Point(76, 137);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(42, 20);

this.label3.TabIndex = 3;

this.label3.Text = "Имя";

//

// name

//

this.name.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.name.Location = new System.Drawing.Point(76, 160);

this.name.Name = "name";

this.name.Size = new System.Drawing.Size(180, 24);

this.name.TabIndex = 4;

this.name.KeyPress += new System.Windows.Forms.KeyPressEventHandler(this.name\_KeyPress);

//

// label4

//

this.label4.AutoSize = true;

this.label4.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label4.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label4.Location = new System.Drawing.Point(76, 262);

this.label4.Name = "label4";

this.label4.Size = new System.Drawing.Size(59, 20);

this.label4.TabIndex = 5;

this.label4.Text = "Логин";

//

// login

//

this.login.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.login.Location = new System.Drawing.Point(76, 285);

this.login.Name = "login";

this.login.Size = new System.Drawing.Size(180, 24);

this.login.TabIndex = 6;

//

// label5

//

this.label5.AutoSize = true;

this.label5.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label5.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label5.Location = new System.Drawing.Point(76, 200);

this.label5.Name = "label5";

this.label5.Size = new System.Drawing.Size(91, 20);

this.label5.TabIndex = 7;

this.label5.Text = "Отчество";

//

// patronymic

//

this.patronymic.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.patronymic.Location = new System.Drawing.Point(76, 225);

this.patronymic.Name = "patronymic";

this.patronymic.Size = new System.Drawing.Size(180, 24);

this.patronymic.TabIndex = 8;

this.patronymic.KeyPress += new System.Windows.Forms.KeyPressEventHandler(this.patronymic\_KeyPress);

//

// phoneNumber

//

this.phoneNumber.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.phoneNumber.Location = new System.Drawing.Point(332, 99);

this.phoneNumber.Mask = "(000) 000-00-00";

this.phoneNumber.Name = "phoneNumber";

this.phoneNumber.ResetOnSpace = false;

this.phoneNumber.Size = new System.Drawing.Size(429, 24);

this.phoneNumber.TabIndex = 9;

//

// label6

//

this.label6.AutoSize = true;

this.label6.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label6.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label6.Location = new System.Drawing.Point(337, 76);

this.label6.Name = "label6";

this.label6.Size = new System.Drawing.Size(155, 20);

this.label6.TabIndex = 10;

this.label6.Text = "Номер телефона";

//

// label7

//

this.label7.AutoSize = true;

this.label7.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label7.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label7.Location = new System.Drawing.Point(337, 262);

this.label7.Name = "label7";

this.label7.Size = new System.Drawing.Size(72, 20);

this.label7.TabIndex = 11;

this.label7.Text = "Пароль";

//

// password

//

this.password.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.password.Location = new System.Drawing.Point(332, 285);

this.password.Name = "password";

this.password.Size = new System.Drawing.Size(429, 24);

this.password.TabIndex = 12;

//

// label8

//

this.label8.AutoSize = true;

this.label8.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label8.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label8.Location = new System.Drawing.Point(337, 137);

this.label8.Name = "label8";

this.label8.Size = new System.Drawing.Size(103, 20);

this.label8.TabIndex = 13;

this.label8.Text = "Должность";

//

// label9

//

this.label9.AutoSize = true;

this.label9.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label9.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label9.Location = new System.Drawing.Point(337, 200);

this.label9.Name = "label9";

this.label9.Size = new System.Drawing.Size(50, 20);

this.label9.TabIndex = 14;

this.label9.Text = "Роль";

//

// post

//

this.post.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.post.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.post.FormattingEnabled = true;

this.post.Location = new System.Drawing.Point(332, 158);

this.post.Name = "post";

this.post.Size = new System.Drawing.Size(429, 26);

this.post.TabIndex = 15;

this.post.SelectedIndexChanged += new System.EventHandler(this.post\_SelectedIndexChanged);

//

// role

//

this.role.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.role.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.role.FormattingEnabled = true;

this.role.Location = new System.Drawing.Point(332, 223);

this.role.Name = "role";

this.role.Size = new System.Drawing.Size(429, 26);

this.role.TabIndex = 16;

this.role.SelectedIndexChanged += new System.EventHandler(this.role\_SelectedIndexChanged);

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F);

this.exit.Location = new System.Drawing.Point(76, 342);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(180, 32);

this.exit.TabIndex = 17;

this.exit.Text = "Выйти";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// add

//

this.add.BackColor = System.Drawing.Color.MediumTurquoise;

this.add.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.add.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F);

this.add.Location = new System.Drawing.Point(332, 342);

this.add.Name = "add";

this.add.Size = new System.Drawing.Size(180, 32);

this.add.TabIndex = 18;

this.add.Text = "Добавить";

this.add.UseVisualStyleBackColor = false;

this.add.Click += new System.EventHandler(this.add\_Click);

//

// HRmanager

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(789, 518);

this.Controls.Add(this.add);

this.Controls.Add(this.exit);

this.Controls.Add(this.role);

this.Controls.Add(this.post);

this.Controls.Add(this.label9);

this.Controls.Add(this.label8);

this.Controls.Add(this.password);

this.Controls.Add(this.label7);

this.Controls.Add(this.label6);

this.Controls.Add(this.phoneNumber);

this.Controls.Add(this.patronymic);

this.Controls.Add(this.label5);

this.Controls.Add(this.login);

this.Controls.Add(this.label4);

this.Controls.Add(this.name);

this.Controls.Add(this.label3);

this.Controls.Add(this.surName);

this.Controls.Add(this.label2);

this.Controls.Add(this.label1);

this.Name = "HRmanager";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "HRmanager";

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.TextBox surName;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.TextBox name;

private System.Windows.Forms.Label label4;

private System.Windows.Forms.TextBox login;

private System.Windows.Forms.Label label5;

private System.Windows.Forms.TextBox patronymic;

private System.Windows.Forms.MaskedTextBox phoneNumber;

private System.Windows.Forms.Label label6;

private System.Windows.Forms.Label label7;

private System.Windows.Forms.TextBox password;

private System.Windows.Forms.Label label8;

private System.Windows.Forms.Label label9;

private System.Windows.Forms.ComboBox post;

private System.Windows.Forms.ComboBox role;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button add;

}

}

18. HRmanager.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Text.RegularExpressions;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class HRmanager : Form

{

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

int idRole;

int idPost;

string rolEnterEmployee;

public HRmanager()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компонентов, занесение в выпадающие списки должномть, роль

/// </summary>

/// <param name="roleEnter">Роль вошедшего</param>

public HRmanager(string roleEnter)

{

InitializeComponent();

sqlManager.AddComboBox(post,"[dbo].[Dolznost]", 1);

sqlManager.AddComboBox(role,"[dbo].[Role]", 1);

post.SelectedIndex = 0;

role.SelectedIndex = 0;

rolEnterEmployee = roleEnter;

}

private void exit\_Click(object sender, EventArgs e)

{

if (rolEnterEmployee == "HR менеджер")

{

Login loginForm = new Login();

loginForm.Show();

}

else

{

Admin admin = new Admin();

admin.Show();

}

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Добавить" для создания сотрудника в БД, и занесения сотруника в бригадиры если он имеет такую роль

/// </summary>

private void add\_Click(object sender, EventArgs e)

{

string nameStr = name.Text;

string surnameStr = surName.Text;

string patronymicStr = patronymic.Text;

if (patronymicStr != "")

{

patronymicStr = patronymic.Text.Substring(0, 1).ToUpper() + patronymic.Text.Substring(1).ToLower();

}

if (nameStr != "")

{

nameStr = name.Text.Substring(0, 1).ToUpper() + name.Text.Substring(1).ToLower();

}

if (surnameStr != "")

{

surnameStr = surName.Text.Substring(0, 1).ToUpper() + surName.Text.Substring(1).ToLower();

}

string loginStr = login.Text;

string passwordStr = password.Text;

string phone;

if (phoneNumber.Text.Length == 15)

{

phone = $@"8 {phoneNumber.Text}";

}

else

{

phone = "";

}

if (nameStr == "" || surnameStr == "" || loginStr == "" || passwordStr == "")

{

MessageBox.Show("Поля: Фамилия, Имя, Логин, Пароль обязательны для заполнения.");

}

else

{

if (loginStr.Length < 6 || passwordStr.Length < 6)

{

MessageBox.Show("Логин и пароль должны содержать не менее 6 символов.");

}

else

{

if (loginStr.Length <= 25 || passwordStr.Length <= 25)

{

if ((nameStr.Length > 25 || surnameStr.Length > 25) && patronymicStr == "")

{

MessageBox.Show("Фамилия и имя не более 25 символов.");

}

else

{

if (nameStr.Length > 25 || surnameStr.Length > 25 || patronymicStr.Length > 25)

{

MessageBox.Show("Фамилия, имя и отчество не более 25 символов.");

}

else

{

if ((!CorrectFullName(nameStr) || !CorrectFullName(surnameStr)) && patronymicStr == "")

{

MessageBox.Show("Фамилия, имя должны содержать толлько буквы.");

}

else

{

if (!CorrectFullName(nameStr) || !CorrectFullName(surnameStr) || !CorrectFullName(patronymicStr))

{

MessageBox.Show("Фамилия, имя, отчество должны содержать толлько буквы.");

}

else

{

if (sqlManager.Number\_Records($@"[dbo].[Sotrudnic] where [dbo].[Sotrudnic].[Login] = '{loginStr}'") == 0)

{

sqlManager.RequestSql($@"insert into [dbo].[Sotrudnic] values ('{surnameStr}',{idPost},'{nameStr}','{patronymicStr}','{phone}','{loginStr}','{passwordStr}',{idRole})");

if (post.Text == "Бригадир")

{

int idSotrudnic = Convert.ToInt32(sqlManager.ReturnTable($@"select max ([dbo].[Sotrudnic].[ID\_Sotrudnica]) from [dbo].[Sotrudnic]").Rows[0][0]);

sqlManager.RequestSql($@"insert into [dbo].[Brigadir] values ({idSotrudnic})");

}

Delet\_Value\_Fields();

MessageBox.Show("Сотрудник зарегестрирован");

}

else

{

MessageBox.Show("Сотрудник с таким логином уже зарегестрирован придумайте другой логин");

}

}

}

}

}

}

else

{

MessageBox.Show("Логин и пароль не более 25 символов");

}

}

}

}

/// <summary>

/// Удаление значений из полей после успешной регестрации

/// </summary>

void Delet\_Value\_Fields()

{

surName.Text = "";

name.Text = "";

patronymic.Text = "";

login.Text = "";

password.Text = "";

phoneNumber.Text = "";

}

/// <summary>

/// Проверка строки на числа, спец символы

/// </summary>

/// <param name="value">Строка для проверки</param>

/// <returns>Логическое выражение говорящее есть ли в строку спец символы и(или) числа</returns>

bool CorrectFullName(string value)

{

for (int i = 0; i <= value.Length-1; i++)

{

if (Char.IsDigit(value[i]))

{

return false;

}

if (Char.IsSymbol(value[i]))

{

return false;

}

}

if (Regex.Match(value, "[\\!\\@\\#\\№\\%\\$\\^\\:\\?\\&\\\*\\(\\)\\{\\}\\[\\]\\/\\.\\,\\-\\ \_\\=\\+\\;\\`\\~\\<\\>]").Success)

{

return false;

}

return true;

}

/// <summary>

/// Получение номера должности

/// </summary>

private void post\_SelectedIndexChanged(object sender, EventArgs e)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Dolznost] where [dbo].[Dolznost].[Name] = '{post.Text}'");

if (dataTable.Rows.Count > 0)

idPost = Convert.ToInt32(dataTable.Rows[0][0]);

}

/// <summary>

/// Получение номера роли

/// </summary>

private void role\_SelectedIndexChanged(object sender, EventArgs e)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Role] where [dbo].[Role].[Name] = '{role.Text}'");

if (dataTable.Rows.Count > 0)

idRole = Convert.ToInt32(dataTable.Rows[0][0]);

}

/// <summary>

/// Ограничения ввода Фамилии

/// </summary>

private void surName\_KeyPress(object sender, KeyPressEventArgs e)

{

if (!Char.IsLetter(e.KeyChar) && e.KeyChar != Convert.ToInt32(Keys.Back))

{

e.Handled = true;

}

}

/// <summary>

/// Ограничения ввода Имя

/// </summary>

private void name\_KeyPress(object sender, KeyPressEventArgs e)

{

if (!Char.IsLetter(e.KeyChar) && e.KeyChar != Convert.ToInt32(Keys.Back))

{

e.Handled = true;

}

}

/// <summary>

/// Ограничения ввода Отчество

/// </summary>

private void patronymic\_KeyPress(object sender, KeyPressEventArgs e)

{

if (!Char.IsLetter(e.KeyChar) && e.KeyChar != Convert.ToInt32(Keys.Back))

{

e.Handled = true;

}

}

}

}

19. Login.Designer.cs

namespace DPRK

{

partial class Login

{

/// <summary>

/// Обязательная переменная конструктора.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Освободить все используемые ресурсы.

/// </summary>

/// <param name="disposing">истинно, если управляемый ресурс должен быть удален; иначе ложно.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Код, автоматически созданный конструктором форм Windows

/// <summary>

/// Требуемый метод для поддержки конструктора — не изменяйте

/// содержимое этого метода с помощью редактора кода.

/// </summary>

private void InitializeComponent()

{

System.ComponentModel.ComponentResourceManager resources = new System.ComponentModel.ComponentResourceManager(typeof(Login));

this.pictureBox1 = new System.Windows.Forms.PictureBox();

this.loginTx = new System.Windows.Forms.TextBox();

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.password = new System.Windows.Forms.TextBox();

this.exit = new System.Windows.Forms.Button();

this.enter = new System.Windows.Forms.Button();

((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).BeginInit();

this.SuspendLayout();

//

// pictureBox1

//

this.pictureBox1.Image = ((System.Drawing.Image)(resources.GetObject("pictureBox1.Image")));

this.pictureBox1.Location = new System.Drawing.Point(-3, 12);

this.pictureBox1.Name = "pictureBox1";

this.pictureBox1.Size = new System.Drawing.Size(801, 112);

this.pictureBox1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.Zoom;

this.pictureBox1.TabIndex = 0;

this.pictureBox1.TabStop = false;

//

// loginTx

//

this.loginTx.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.loginTx.Location = new System.Drawing.Point(282, 167);

this.loginTx.Name = "loginTx";

this.loginTx.Size = new System.Drawing.Size(235, 27);

this.loginTx.TabIndex = 1;

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(278, 144);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(59, 20);

this.label1.TabIndex = 2;

this.label1.Text = "Логин";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(278, 212);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(72, 20);

this.label2.TabIndex = 3;

this.label2.Text = "Пароль";

//

// password

//

this.password.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.password.Location = new System.Drawing.Point(280, 235);

this.password.Name = "password";

this.password.PasswordChar = '\*';

this.password.Size = new System.Drawing.Size(237, 27);

this.password.TabIndex = 4;

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.exit.Location = new System.Drawing.Point(280, 281);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(97, 44);

this.exit.TabIndex = 5;

this.exit.Text = "Выход";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// enter

//

this.enter.BackColor = System.Drawing.Color.MediumTurquoise;

this.enter.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.enter.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.enter.Location = new System.Drawing.Point(414, 281);

this.enter.Name = "enter";

this.enter.Size = new System.Drawing.Size(103, 44);

this.enter.TabIndex = 6;

this.enter.Text = "Войти";

this.enter.UseVisualStyleBackColor = false;

this.enter.Click += new System.EventHandler(this.enter\_Click);

//

// Login

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(800, 450);

this.Controls.Add(this.enter);

this.Controls.Add(this.exit);

this.Controls.Add(this.password);

this.Controls.Add(this.label2);

this.Controls.Add(this.label1);

this.Controls.Add(this.loginTx);

this.Controls.Add(this.pictureBox1);

this.Name = "Login";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "Form1";

((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).EndInit();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.PictureBox pictureBox1;

private System.Windows.Forms.TextBox loginTx;

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.TextBox password;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button enter;

}

}

20. Login.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class Login : Form

{

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

public Login()

{

InitializeComponent();

}

/// <summary>

/// Нажатие на кнопку "Выход" для полного выхода из программы

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

Application.Exit();

}

/// <summary>

/// Нажатие на кнопку "Войти" для авторизации пользователя

/// </summary>

/// <param name="sender"></param>

/// <param name="e"></param>

private void enter\_Click(object sender, EventArgs e)

{

if (loginTx.Text == "" || password.Text == "")

{

MessageBox.Show("Все поля должны быть заполнены.");

}

else

{

if (loginTx.Text.Length < 6 || password.Text.Length < 6)

{

MessageBox.Show("Логин и пароль должны быть не менее 6 символов.");

}

else

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Autarization]('{loginTx.Text}','{password.Text}')");

if (dataTable.Rows.Count > 0)

{

string role = dataTable.Rows[0][2].ToString();

switch (role)

{

case "Администратор информационной системы":

Admin admin = new Admin();

admin.Show();

this.Hide();

break;

case "Глава строительного управления":

GlavStroiUpr glavStroiUpr = new GlavStroiUpr(role);

glavStroiUpr.Show();

this.Hide();

break;

case "Начальник участка":

int idEmployer = Convert.ToInt32(dataTable.Rows[0][3]);

NachUchastka nachUchastka = new NachUchastka(role,idEmployer);

nachUchastka.Show();

this.Hide();

break;

case "Бригадир":

int idEmployee = Convert.ToInt32(dataTable.Rows[0][3]);

int idForeman = Convert.ToInt32(sqlManager.ReturnTable($@"select \* from [dbo].[Brigadir] where [dbo].[Brigadir].[ID\_Sotrudnica] = {idEmployee}").Rows[0][0]);

BrigadirAddRabochih brigadirAddRabochih = new BrigadirAddRabochih(role,idForeman);

brigadirAddRabochih.Show();

this.Hide();

break;

case "Менеджер по работе с клиентами":

ManagerRegObj managerRegObj = new ManagerRegObj(role);

managerRegObj.Show();

this.Hide();

break;

case "HR менеджер":

HRmanager HRmanager = new HRmanager(role);

HRmanager.Show();

this.Hide();

break;

}

}

else

{

MessageBox.Show("Авторизация не пройдена.");

}

}

}

}

}

}

21. ManagerAtributsInfo.Designer.cs

namespace DPRK

{

partial class ManagerAtributsInfo

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.atributeValue = new System.Windows.Forms.DataGridView();

this.label2 = new System.Windows.Forms.Label();

this.atributic = new System.Windows.Forms.ComboBox();

this.label3 = new System.Windows.Forms.Label();

this.value = new System.Windows.Forms.TextBox();

this.add = new System.Windows.Forms.Button();

this.delete = new System.Windows.Forms.Button();

this.exit = new System.Windows.Forms.Button();

this.confirm = new System.Windows.Forms.Button();

((System.ComponentModel.ISupportInitialize)(this.atributeValue)).BeginInit();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(143, 23);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(322, 29);

this.label1.TabIndex = 1;

this.label1.Text = "Информация об атрибутах";

//

// atributeValue

//

this.atributeValue.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.atributeValue.Location = new System.Drawing.Point(501, 61);

this.atributeValue.Name = "atributeValue";

this.atributeValue.RowHeadersWidth = 51;

this.atributeValue.RowTemplate.Height = 24;

this.atributeValue.Size = new System.Drawing.Size(578, 377);

this.atributeValue.TabIndex = 2;

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(35, 61);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(79, 20);

this.label2.TabIndex = 3;

this.label2.Text = "Атрибут";

//

// atributic

//

this.atributic.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.atributic.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.atributic.FormattingEnabled = true;

this.atributic.Location = new System.Drawing.Point(39, 85);

this.atributic.Name = "atributic";

this.atributic.Size = new System.Drawing.Size(412, 26);

this.atributic.TabIndex = 4;

//

// label3

//

this.label3.AutoSize = true;

this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label3.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label3.Location = new System.Drawing.Point(35, 127);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(91, 20);

this.label3.TabIndex = 5;

this.label3.Text = "Значение";

//

// value

//

this.value.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.value.Location = new System.Drawing.Point(39, 150);

this.value.Name = "value";

this.value.Size = new System.Drawing.Size(412, 24);

this.value.TabIndex = 6;

//

// add

//

this.add.BackColor = System.Drawing.Color.MediumTurquoise;

this.add.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.add.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F);

this.add.Location = new System.Drawing.Point(39, 205);

this.add.Name = "add";

this.add.Size = new System.Drawing.Size(202, 50);

this.add.TabIndex = 7;

this.add.Text = "Добавить";

this.add.UseVisualStyleBackColor = false;

this.add.Click += new System.EventHandler(this.add\_Click);

//

// delete

//

this.delete.BackColor = System.Drawing.Color.MediumTurquoise;

this.delete.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.delete.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F);

this.delete.Location = new System.Drawing.Point(259, 205);

this.delete.Name = "delete";

this.delete.Size = new System.Drawing.Size(192, 50);

this.delete.TabIndex = 8;

this.delete.Text = "Удалить";

this.delete.UseVisualStyleBackColor = false;

this.delete.Click += new System.EventHandler(this.delete\_Click);

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F);

this.exit.Location = new System.Drawing.Point(259, 273);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(192, 54);

this.exit.TabIndex = 9;

this.exit.Text = "Выйти";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// confirm

//

this.confirm.BackColor = System.Drawing.Color.MediumTurquoise;

this.confirm.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.confirm.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F);

this.confirm.Location = new System.Drawing.Point(39, 273);

this.confirm.Name = "confirm";

this.confirm.Size = new System.Drawing.Size(202, 54);

this.confirm.TabIndex = 10;

this.confirm.Text = "Подтвердить";

this.confirm.UseVisualStyleBackColor = false;

this.confirm.Click += new System.EventHandler(this.confirm\_Click);

//

// ManagerAtributsInfo

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(1116, 450);

this.Controls.Add(this.confirm);

this.Controls.Add(this.exit);

this.Controls.Add(this.delete);

this.Controls.Add(this.add);

this.Controls.Add(this.value);

this.Controls.Add(this.label3);

this.Controls.Add(this.atributic);

this.Controls.Add(this.label2);

this.Controls.Add(this.atributeValue);

this.Controls.Add(this.label1);

this.Name = "ManagerAtributsInfo";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "ManagerAtributsInfo";

((System.ComponentModel.ISupportInitialize)(this.atributeValue)).EndInit();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.DataGridView atributeValue;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.ComboBox atributic;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.TextBox value;

private System.Windows.Forms.Button add;

private System.Windows.Forms.Button delete;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button confirm;

}

}

22. ManagerAtributsInfo.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class ManagerAtributsInfo : Form

{

int [] informObject;

string role;

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

public ManagerAtributsInfo()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компонентов. Заполнение выпадающего списка атрибутов.

/// Создание колонок для таблице с атрибутами и значением

/// </summary>

/// <param name="informationObject">Массив с данными из формы ManagerRegObj</param>

/// <param name="roles">Роль вошедшего</param>

public ManagerAtributsInfo(int [] informationObject,string roles)

{

InitializeComponent();

informObject = informationObject;

role = roles;

sqlManager.AddComboBox(atributic, "[dbo].[Unicalnie\_Atributi]", 1);

if (atributic.Items.Count > 0)

{

atributic.SelectedIndex = 0;

}

atributeValue.Columns.Add("attributDG","Атрибут");

atributeValue.Columns.Add("valueDG","Значение");

}

/// <summary>

/// Нажатие на кнопку "Добавить" для создания объекта, договора с заказчиком (в БД) и занесение специальных атрибутов в БД

/// </summary>

private void confirm\_Click(object sender, EventArgs e)

{

if (atributeValue.Rows.Count > 1)

{

sqlManager.RequestSql($@"insert into [dbo].[Stroitelniy\_Object] values ({informObject[0]},{informObject[1]},'Выполняется')");

int numberRows = sqlManager.Number\_Records("[dbo].[Stroitelniy\_Object]");

int objectNumber = Convert.ToInt32(sqlManager.ReturnTable("select \* from [dbo].[Stroitelniy\_Object]").Rows[numberRows - 1][0]);

sqlManager.RequestSql($@"insert into [dbo].[Dogovor] values ('{DateTime.Now}',{objectNumber},{informObject[2]})");

for (int i = 0; i < atributeValue.Rows.Count - 1; i++)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Unicalnie\_Atributi] where [dbo].[Unicalnie\_Atributi].[Name] = '{atributeValue.Rows[i].Cells[0].Value}'");

int attributeNumber = Convert.ToInt32(dataTable.Rows[0][0]);

string valueDataGrid = atributeValue.Rows[i].Cells[1].Value.ToString();

sqlManager.RequestSql($@"insert into [dbo].[Perechen\_Atributuv] values ({objectNumber},{attributeNumber},'{valueDataGrid}')");

}

ManagerRegObj managerRegObj = new ManagerRegObj(role);

managerRegObj.Show();

this.Hide();

}

else

{

MessageBox.Show("Добавьте атрибутов для этого объекта.");

}

}

/// <summary>

/// Нажатие на кнопку "Выйти" на форме ManagerAtributsInfo для перехода на форму ManagerRegObj

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

ManagerRegObj managerRegObj = new ManagerRegObj(role);

managerRegObj.Show();

this.Hide();

}

/// <summary>

/// Добавления названия атрибута и его значения в визуальную таблицу на форме.

/// </summary>

private void add\_Click(object sender, EventArgs e)

{

if (atributic.Text != "")

{

if (value.Text.Replace(" ", string.Empty).Length < 1)

{

MessageBox.Show("Вы не ввели значение для атрибута ");

}

else

{

if (value.Text.Length > 50)

{

MessageBox.Show("Значение долно быть не более 50 символов");

}

else

{

int rowNumber = atributeValue.Rows.Add();

atributeValue.Rows[rowNumber].Cells[0].Value = atributic.Text;

atributeValue.Rows[rowNumber].Cells[1].Value = value.Text;

}

}

}

else

{

MessageBox.Show("Вы не выбрали атрибут.");

}

}

/// <summary>

/// Удаление строки из визуальной таблице на форме ManagerAtributsInfo

/// </summary>

private void delete\_Click(object sender, EventArgs e)

{

int ind = atributeValue.SelectedCells[0].RowIndex;

atributeValue.Rows.RemoveAt(ind);

}

}

}

23. ManagerRegObj.Designer.cs

namespace DPRK

{

partial class ManagerRegObj

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.tipObject = new System.Windows.Forms.ComboBox();

this.label3 = new System.Windows.Forms.Label();

this.regionObject = new System.Windows.Forms.ComboBox();

this.label4 = new System.Windows.Forms.Label();

this.customer = new System.Windows.Forms.ComboBox();

this.exit = new System.Windows.Forms.Button();

this.farther = new System.Windows.Forms.Button();

this.addRegion = new System.Windows.Forms.Button();

this.addCustomer = new System.Windows.Forms.Button();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(232, 27);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(301, 29);

this.label1.TabIndex = 0;

this.label1.Text = "Информация об объекте";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(233, 76);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(114, 20);

this.label2.TabIndex = 1;

this.label2.Text = "Тип объекта";

//

// tipObject

//

this.tipObject.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.tipObject.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.tipObject.FormattingEnabled = true;

this.tipObject.Location = new System.Drawing.Point(237, 99);

this.tipObject.Name = "tipObject";

this.tipObject.Size = new System.Drawing.Size(410, 26);

this.tipObject.TabIndex = 2;

this.tipObject.SelectedIndexChanged += new System.EventHandler(this.tipObject\_SelectedIndexChanged);

//

// label3

//

this.label3.AutoSize = true;

this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label3.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label3.Location = new System.Drawing.Point(233, 141);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(153, 20);

this.label3.TabIndex = 3;

this.label3.Text = "Участок объекта";

//

// regionObject

//

this.regionObject.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.regionObject.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.regionObject.FormattingEnabled = true;

this.regionObject.Location = new System.Drawing.Point(237, 164);

this.regionObject.Name = "regionObject";

this.regionObject.Size = new System.Drawing.Size(296, 26);

this.regionObject.TabIndex = 4;

this.regionObject.SelectedIndexChanged += new System.EventHandler(this.regionObject\_SelectedIndexChanged);

//

// label4

//

this.label4.AutoSize = true;

this.label4.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label4.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label4.Location = new System.Drawing.Point(233, 212);

this.label4.Name = "label4";

this.label4.Size = new System.Drawing.Size(88, 20);

this.label4.TabIndex = 5;

this.label4.Text = "Заказчик";

//

// customer

//

this.customer.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.customer.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.customer.FormattingEnabled = true;

this.customer.Location = new System.Drawing.Point(237, 235);

this.customer.Name = "customer";

this.customer.Size = new System.Drawing.Size(296, 26);

this.customer.TabIndex = 6;

this.customer.SelectedIndexChanged += new System.EventHandler(this.customer\_SelectedIndexChanged);

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.exit.Location = new System.Drawing.Point(237, 282);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(84, 40);

this.exit.TabIndex = 7;

this.exit.Text = "Выход";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// farther

//

this.farther.BackColor = System.Drawing.Color.MediumTurquoise;

this.farther.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.farther.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.farther.Location = new System.Drawing.Point(435, 282);

this.farther.Name = "farther";

this.farther.Size = new System.Drawing.Size(98, 40);

this.farther.TabIndex = 8;

this.farther.Text = "Дальше";

this.farther.UseVisualStyleBackColor = false;

this.farther.Click += new System.EventHandler(this.farther\_Click);

//

// addRegion

//

this.addRegion.BackColor = System.Drawing.Color.MediumTurquoise;

this.addRegion.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.addRegion.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.addRegion.Location = new System.Drawing.Point(549, 164);

this.addRegion.Name = "addRegion";

this.addRegion.Size = new System.Drawing.Size(37, 26);

this.addRegion.TabIndex = 9;

this.addRegion.Text = "+";

this.addRegion.UseVisualStyleBackColor = false;

this.addRegion.Click += new System.EventHandler(this.addRegion\_Click);

//

// addCustomer

//

this.addCustomer.BackColor = System.Drawing.Color.MediumTurquoise;

this.addCustomer.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.addCustomer.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.addCustomer.Location = new System.Drawing.Point(549, 234);

this.addCustomer.Name = "addCustomer";

this.addCustomer.Size = new System.Drawing.Size(37, 26);

this.addCustomer.TabIndex = 10;

this.addCustomer.Text = "+";

this.addCustomer.UseVisualStyleBackColor = false;

this.addCustomer.Click += new System.EventHandler(this.addCustomer\_Click);

//

// ManagerRegObj

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(800, 450);

this.Controls.Add(this.addCustomer);

this.Controls.Add(this.addRegion);

this.Controls.Add(this.farther);

this.Controls.Add(this.exit);

this.Controls.Add(this.customer);

this.Controls.Add(this.label4);

this.Controls.Add(this.regionObject);

this.Controls.Add(this.label3);

this.Controls.Add(this.tipObject);

this.Controls.Add(this.label2);

this.Controls.Add(this.label1);

this.Name = "ManagerRegObj";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "ManagerRegObj";

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.ComboBox tipObject;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.ComboBox regionObject;

private System.Windows.Forms.Label label4;

private System.Windows.Forms.ComboBox customer;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button farther;

private System.Windows.Forms.Button addRegion;

private System.Windows.Forms.Button addCustomer;

}

}

24. ManagerRegObj.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class ManagerRegObj : Form

{

string roles;

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

int idTipObject;

int idRegionObject;

int idCustomer;

public ManagerRegObj()

{

InitializeComponent();

}

/// <summary>

/// Инициализация объектов. Заполнение выпадающих списков (тип объекта,участок объекта, заказчик)

/// </summary>

/// <param name="roleEnter">Роль вошедшего</param>

public ManagerRegObj(string roleEnter)

{

InitializeComponent();

roles = roleEnter;

sqlManager.AddComboBox(tipObject, "[dbo].[Tip\_Obyekta]", 1);

sqlManager.AddComboBox(regionObject,"[dbo].[Uchastok]", 2);

sqlManager.AddComboBox(customer,"[dbo].[Zakazchik]", 1);

tipObject.SelectedIndex = 0;

if (regionObject.Items.Count > 0)

regionObject.SelectedIndex = 0;

if (customer.Items.Count > 0)

customer.SelectedIndex = 0;

}

/// <summary>

/// Кнопка со знаком "+" около выпадающего списка с участками объекта для перехода на форму GlavStroiUprAddUchastok

/// для регестрации нового участка

/// </summary>

private void addRegion\_Click(object sender, EventArgs e)

{

GlavStroiUprAddUchastok glavStroiUprAddUchastok = new GlavStroiUprAddUchastok(roles);

glavStroiUprAddUchastok.Show();

this.Hide();

}

/// <summary>

/// Кнопка со знаком "+" около выпадающего списка с заказчиками для перехода на форму ManagerRegZakaz

/// для регестрации заказчика

/// </summary>

private void addCustomer\_Click(object sender, EventArgs e)

{

ManagerRegZakaz managerRegZakaz = new ManagerRegZakaz(roles);

managerRegZakaz.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Дальше" на форме ManagerRegObj для перехода на форму ManagerAtributsInfo и

/// передачей массива с данными из данной формы

/// </summary>

private void farther\_Click(object sender, EventArgs e)

{

if (regionObject.Text != "" && customer.Text != "")

{

int[] informationObject = new int[] {idTipObject,idRegionObject,idCustomer};

ManagerAtributsInfo managerAtributsInfo = new ManagerAtributsInfo(informationObject,roles);

managerAtributsInfo.Show();

this.Hide();

}

else

{

MessageBox.Show("Вы не выбрали участок и(ли) заказчика.");

}

}

/// <summary>

/// Нажатие на кнопку "Выход" на форме ManagerRegObj для перехода на окно авторизации или окно админестратора

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

if (roles == "Менеджер по работе с клиентами")

{

Login loginForm = new Login();

loginForm.Show();

}

else

{

Admin admin = new Admin();

admin.Show();

}

this.Hide();

}

/// <summary>

/// Получение номера выбранного типа объекта

/// </summary>

private void tipObject\_SelectedIndexChanged(object sender, EventArgs e)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Tip\_Obyekta] where [dbo].[Tip\_Obyekta].[Name] = '{tipObject.Text}'");

if (dataTable.Rows.Count > 0)

idTipObject = Convert.ToInt32(dataTable.Rows[0][0]);

}

/// <summary>

/// Получение номера выбранного участка объекта

/// </summary>

private void regionObject\_SelectedIndexChanged(object sender, EventArgs e)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Uchastok] where [dbo].[Uchastok].[Name] = '{regionObject.Text}'");

if (dataTable.Rows.Count > 0)

idRegionObject = Convert.ToInt32(dataTable.Rows[0][0]);

}

/// <summary>

/// Получение номера выбранного заказчика

/// </summary>

private void customer\_SelectedIndexChanged(object sender, EventArgs e)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Zakazchik] where [dbo].[Zakazchik].[Name] = '{customer.Text}'");

if (dataTable.Rows.Count > 0)

idCustomer = Convert.ToInt32(dataTable.Rows[0][0]);

}

}

}

25. ManagerRegZakaz.Designer.cs

namespace DPRK

{

partial class ManagerRegZakaz

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.name = new System.Windows.Forms.TextBox();

this.label3 = new System.Windows.Forms.Label();

this.label4 = new System.Windows.Forms.Label();

this.inn = new System.Windows.Forms.TextBox();

this.exit = new System.Windows.Forms.Button();

this.farther = new System.Windows.Forms.Button();

this.phoneNumber = new System.Windows.Forms.MaskedTextBox();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(223, 38);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(312, 29);

this.label1.TabIndex = 0;

this.label1.Text = "Информация о заказчике";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(224, 91);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(111, 18);

this.label2.TabIndex = 1;

this.label2.Text = "Наименование";

//

// name

//

this.name.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.name.Location = new System.Drawing.Point(227, 113);

this.name.Name = "name";

this.name.Size = new System.Drawing.Size(308, 24);

this.name.TabIndex = 2;

//

// label3

//

this.label3.AutoSize = true;

this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label3.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label3.Location = new System.Drawing.Point(225, 151);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(129, 18);

this.label3.TabIndex = 3;

this.label3.Text = "Номер телефона";

//

// label4

//

this.label4.AutoSize = true;

this.label4.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label4.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label4.Location = new System.Drawing.Point(225, 212);

this.label4.Name = "label4";

this.label4.Size = new System.Drawing.Size(92, 18);

this.label4.TabIndex = 5;

this.label4.Text = "Номер ИНН";

//

// inn

//

this.inn.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.inn.Location = new System.Drawing.Point(227, 233);

this.inn.Name = "inn";

this.inn.Size = new System.Drawing.Size(308, 24);

this.inn.TabIndex = 6;

this.inn.KeyPress += new System.Windows.Forms.KeyPressEventHandler(this.inn\_KeyPress);

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.exit.Location = new System.Drawing.Point(228, 284);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(89, 34);

this.exit.TabIndex = 7;

this.exit.Text = "Выход";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// farther

//

this.farther.BackColor = System.Drawing.Color.MediumTurquoise;

this.farther.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.farther.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.farther.Location = new System.Drawing.Point(420, 284);

this.farther.Name = "farther";

this.farther.Size = new System.Drawing.Size(115, 34);

this.farther.TabIndex = 8;

this.farther.Text = "Дальше";

this.farther.UseVisualStyleBackColor = false;

this.farther.Click += new System.EventHandler(this.farther\_Click);

//

// phoneNumber

//

this.phoneNumber.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.phoneNumber.Location = new System.Drawing.Point(227, 172);

this.phoneNumber.Mask = "(000) 000-00-00";

this.phoneNumber.Name = "phoneNumber";

this.phoneNumber.ResetOnSpace = false;

this.phoneNumber.Size = new System.Drawing.Size(308, 24);

this.phoneNumber.TabIndex = 9;

//

// ManagerRegZakaz

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(800, 450);

this.Controls.Add(this.phoneNumber);

this.Controls.Add(this.farther);

this.Controls.Add(this.exit);

this.Controls.Add(this.inn);

this.Controls.Add(this.label4);

this.Controls.Add(this.label3);

this.Controls.Add(this.name);

this.Controls.Add(this.label2);

this.Controls.Add(this.label1);

this.Name = "ManagerRegZakaz";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "ManagerRegZakaz";

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.TextBox name;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.Label label4;

private System.Windows.Forms.TextBox inn;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button farther;

private System.Windows.Forms.MaskedTextBox phoneNumber;

}

}

26. ManagerRegZakaz.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Text.RegularExpressions;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class ManagerRegZakaz : Form

{

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

string roleEnter;

public ManagerRegZakaz()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компоненотов

/// </summary>

/// <param name="roles">Переданная роль под котрой зашел сотрудник</param>

public ManagerRegZakaz(string roles)

{

InitializeComponent();

roleEnter = roles;

}

/// <summary>

/// Нажатие на кнопку "Выход" на форме ManagerRegZakaz для перехода на форму менеджера по работе с клиентами или

/// Главы строительного управления

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

switch (roleEnter)

{

case "Менеджер по работе с клиентами":

ManagerRegObj managerRegObj = new ManagerRegObj(roleEnter);

managerRegObj.Show();

break;

case "Глава строительного управления":

GlavStroiUpr glavStroiUpr = new GlavStroiUpr(roleEnter);

glavStroiUpr.Show();

break;

default:

ManagerRegObj managerRegObjct = new ManagerRegObj(roleEnter);

managerRegObjct.Show();

break;

}

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Дальше" на форме ManagerRegZakaz для создания заказчика и переходом на форму ManagerRegObj

/// </summary>

private void farther\_Click(object sender, EventArgs e)

{

if (name.Text.Length > 50 || name.Text.Length < 1 || name.Text.Replace(" ", string.Empty).Length < 1)

{

MessageBox.Show("Наименование не может быть пустым и больше 50 знаков.");

}

else

{

if (phoneNumber.Text.Length != 15)

{

MessageBox.Show("Ведите номер телефона.");

}

else

{

if (inn.Text.Length != 10 && inn.Text.Length != 12)

{

MessageBox.Show("В ИНН 10 или 12 цифр.");

}

else

{

if (sqlManager.Number\_Records($@"[dbo].[Zakazchik] where [dbo].[Zakazchik].[INN\_Number] = '{inn.Text}' ") == 0)

{

if (sqlManager.Number\_Records($@"[dbo].[Zakazchik] where [dbo].[Zakazchik].[Name] = '{name.Text}'") == 0)

{

sqlManager.RequestSql($@"insert into [dbo].[Zakazchik] values ('{name.Text}','{inn.Text}','8 {phoneNumber.Text}')");

ManagerRegObj managerRegObj = new ManagerRegObj(roleEnter);

managerRegObj.Show();

this.Hide();

}

else

{

MessageBox.Show("Такое название заказчика уже существует.");

}

}

else

{

MessageBox.Show("Такой ИНН уже существует.");

}

}

}

}

}

/// <summary>

/// Ограничения ввода ИННН

/// </summary>

private void inn\_KeyPress(object sender, KeyPressEventArgs e)

{

if (!Char.IsDigit(e.KeyChar) && e.KeyChar != Convert.ToInt32(Keys.Back))

{

e.Handled = true;

}

}

}

}

27. NachUchastka.Designer.cs

namespace DPRK

{

partial class NachUchastka

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.tipObject = new System.Windows.Forms.ComboBox();

this.add = new System.Windows.Forms.Button();

this.exit = new System.Windows.Forms.Button();

this.generateReport = new System.Windows.Forms.Button();

this.informationRegion = new System.Windows.Forms.DataGridView();

((System.ComponentModel.ISupportInitialize)(this.informationRegion)).BeginInit();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(43, 30);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(114, 20);

this.label1.TabIndex = 0;

this.label1.Text = "Тип объекта";

//

// tipObject

//

this.tipObject.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.tipObject.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.tipObject.FormattingEnabled = true;

this.tipObject.Location = new System.Drawing.Point(47, 63);

this.tipObject.Name = "tipObject";

this.tipObject.Size = new System.Drawing.Size(383, 26);

this.tipObject.TabIndex = 1;

//

// add

//

this.add.BackColor = System.Drawing.Color.MediumTurquoise;

this.add.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.add.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.add.Location = new System.Drawing.Point(47, 110);

this.add.Name = "add";

this.add.Size = new System.Drawing.Size(177, 41);

this.add.TabIndex = 2;

this.add.Text = "Добавить";

this.add.UseVisualStyleBackColor = false;

this.add.Click += new System.EventHandler(this.add\_Click);

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.exit.Location = new System.Drawing.Point(244, 110);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(186, 41);

this.exit.TabIndex = 3;

this.exit.Text = "Выйти";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// generateReport

//

this.generateReport.BackColor = System.Drawing.Color.MediumTurquoise;

this.generateReport.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.generateReport.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.generateReport.Location = new System.Drawing.Point(47, 169);

this.generateReport.Name = "generateReport";

this.generateReport.Size = new System.Drawing.Size(383, 41);

this.generateReport.TabIndex = 4;

this.generateReport.Text = "Сгенерировать отчет";

this.generateReport.UseVisualStyleBackColor = false;

this.generateReport.Click += new System.EventHandler(this.generateReport\_Click);

//

// informationRegion

//

this.informationRegion.ColumnHeadersHeightSizeMode = System.Windows.Forms.DataGridViewColumnHeadersHeightSizeMode.AutoSize;

this.informationRegion.Location = new System.Drawing.Point(463, 63);

this.informationRegion.Name = "informationRegion";

this.informationRegion.RowHeadersWidth = 51;

this.informationRegion.RowTemplate.Height = 24;

this.informationRegion.Size = new System.Drawing.Size(394, 287);

this.informationRegion.TabIndex = 5;

//

// NachUchastka

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(929, 450);

this.Controls.Add(this.informationRegion);

this.Controls.Add(this.generateReport);

this.Controls.Add(this.exit);

this.Controls.Add(this.add);

this.Controls.Add(this.tipObject);

this.Controls.Add(this.label1);

this.Name = "NachUchastka";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "NachUchastka";

((System.ComponentModel.ISupportInitialize)(this.informationRegion)).EndInit();

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.ComboBox tipObject;

private System.Windows.Forms.Button add;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button generateReport;

private System.Windows.Forms.DataGridView informationRegion;

}

}

28. NachUchastka.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Globalization;

using System.Linq;

using System.Reflection;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class NachUchastka : Form

{

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

string roles;

int idEmployee;

public NachUchastka()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компонентов.

/// Занесение в комбобокс первичных данных в зависемости от роли.

/// </summary>

/// <param name="role">Роль вошедшего</param>

/// <param name="idEmplyeer">Номер сотрудника</param>

public NachUchastka(string role, int idEmplyeer)

{

InitializeComponent();

roles = role;

idEmployee = idEmplyeer;

if (role != "Администратор информационной системы")

{

sqlManager.AddComboBox(tipObject, $@"[dbo].[Information\_Object\_Uchastci\_ComboBox] ({idEmployee}) ", 0);

sqlManager.GetList(informationRegion, "[dbo].[Raboti\_Na\_Obiecte]", $@"select \* from [dbo].[Information\_Uchastoc\_Worcing] ({idEmployee})");

}

else

{

label1.Text = "Выберете начальника участка";

sqlManager.AddComboBox(tipObject, "[dbo].[Chief\_Uchastca]", 0);

add.Text = "Выбрать";

generateReport.Enabled = false;

}

if (tipObject.Items.Count > 0)

{

tipObject.SelectedIndex = 0;

}

}

/// <summary>

/// Нажатие на кнопку "Выйти" на форме NachUchastka для перехода на форму админестратора или авторизации

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

if (roles == "Начальник участка")

{

Login loginForm = new Login();

loginForm.Show();

}

else

{

Admin admin = new Admin();

admin.Show();

}

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Сгенерировать отчет".

/// Забираем данные котрые сошлись в результате выполнения запроса.

/// Формируем массивы название, номера сдачи работы.Берется название участка, и формируется название из типа и сроке выполнения работы.

/// </summary>

private void generateReport\_Click(object sender, EventArgs e)

{

if (tipObject.Text != "")

{

string tipObjecta = tipObject.Text;

string [] tipObj = tipObjecta.Split(new char[] {','});

string[] dateTime = tipObj[1].Split(new char[] { ' ' });

string sqlRequst = $@"[dbo].[Information\_Submission\_Working\_Date] ({idEmployee},'{tipObjecta}')";

DataTable dataTable = sqlManager.ReturnTable($@"select \* from {sqlRequst}");

int numberMatches = dataTable.Rows.Count;

if (numberMatches > 0)

{

int[] idSubmissionWorking = new int[numberMatches];

string[] title = new string[numberMatches];

string region = "";

for (int i = 0; i < numberMatches; i++)

{

idSubmissionWorking[i] = Convert.ToInt32(dataTable.Rows[i][0]);

string date = DateTime.Parse(dataTable.Rows[i][3].ToString(), CultureInfo.GetCultureInfo("ru-ru")).Date.ToShortDateString();

title[i] = $@"{dataTable.Rows[i][1]}-{dataTable.Rows[i][2]}- Срок выполнения: ( {date} )";

region = dataTable.Rows[0][4].ToString();

}

region = dataTable.Rows[0][4].ToString();

Class.WordManager.WordDocGeneration wordDoc = new Class.WordManager.WordDocGeneration();

string patch = wordDoc.addFile(tipObj[0]+" "+dateTime[0], idSubmissionWorking, title,region);

if (patch != "Закройте файл.")

{

System.Diagnostics.Process.Start(patch);

}

else

{

MessageBox.Show(patch);

}

}

else

{

MessageBox.Show("С данным объектом еще не происходили дейтвия бригадами.");

}

}

else

{

MessageBox.Show("Выбирите тип объекта.");

}

}

/// <summary>

/// Кнопка для перехода на форму NachUchastkaAddRabotiNaObj в котрый мы будеим задавать вид работы, бригаду и срок выполнения.

/// А если мы зашли из под админестратор то сначала мы выбирем нажатием этой кнопки ачальника участка и далее все теже самые действия описааные выше.

/// </summary>

private void add\_Click(object sender, EventArgs e)

{

if (idEmployee != 0)

{

if (tipObject.Text != "")

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Information\_Object\_Uchastci\_Search] ({idEmployee},'{tipObject.Text}')");

if (dataTable.Rows.Count > 0)

{

int idObjectComboBox = Convert.ToInt32(dataTable.Rows[0][1]);

NachUchastkaAddRabotiNaObj nachUchastkaAddRabotiNaObj = new NachUchastkaAddRabotiNaObj(roles, idObjectComboBox, idEmployee);

nachUchastkaAddRabotiNaObj.Show();

this.Hide();

}

}

else

{

MessageBox.Show("Выбирете тип объекта.");

}

}

else

{

if (tipObject.Text != "")

{

idEmployee = Convert.ToInt32(sqlManager.ReturnTable($@"select \* from [dbo].[Sotrudnic\_Search\_Employee] ('{tipObject.Text}')").Rows[0][0]);

add.Text = "Добавить";

tipObject.Items.Clear();

sqlManager.AddComboBox(tipObject, $@"[dbo].[Information\_Object\_Uchastci\_ComboBox] ({idEmployee}) ", 0);

sqlManager.GetList(informationRegion, "[dbo].[Raboti\_Na\_Obiecte]", $@"select \* from [dbo].[Information\_Uchastoc\_Worcing] ({idEmployee})");

generateReport.Enabled = true;

label1.Text = "Тип объекта";

}

else

{

MessageBox.Show("Выбирете из под какого начальника участка будите заходить.");

}

}

}

}

}

29. NachUchastkaAddRabotiNaObj.Designer.cs

namespace DPRK

{

partial class NachUchastkaAddRabotiNaObj

{

/// <summary>

/// Required designer variable.

/// </summary>

private System.ComponentModel.IContainer components = null;

/// <summary>

/// Clean up any resources being used.

/// </summary>

/// <param name="disposing">true if managed resources should be disposed; otherwise, false.</param>

protected override void Dispose(bool disposing)

{

if (disposing && (components != null))

{

components.Dispose();

}

base.Dispose(disposing);

}

#region Windows Form Designer generated code

/// <summary>

/// Required method for Designer support - do not modify

/// the contents of this method with the code editor.

/// </summary>

private void InitializeComponent()

{

this.label1 = new System.Windows.Forms.Label();

this.label2 = new System.Windows.Forms.Label();

this.vidWork = new System.Windows.Forms.ComboBox();

this.label3 = new System.Windows.Forms.Label();

this.brigade = new System.Windows.Forms.ComboBox();

this.completionDate = new System.Windows.Forms.DateTimePicker();

this.label4 = new System.Windows.Forms.Label();

this.exit = new System.Windows.Forms.Button();

this.confirm = new System.Windows.Forms.Button();

this.SuspendLayout();

//

// label1

//

this.label1.AutoSize = true;

this.label1.Font = new System.Drawing.Font("Microsoft Sans Serif", 13.8F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label1.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label1.Location = new System.Drawing.Point(230, 26);

this.label1.Name = "label1";

this.label1.Size = new System.Drawing.Size(301, 29);

this.label1.TabIndex = 0;

this.label1.Text = "Информация об объекте";

//

// label2

//

this.label2.AutoSize = true;

this.label2.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label2.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label2.Location = new System.Drawing.Point(231, 74);

this.label2.Name = "label2";

this.label2.Size = new System.Drawing.Size(110, 20);

this.label2.TabIndex = 1;

this.label2.Text = "Вид работы";

//

// vidWork

//

this.vidWork.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.vidWork.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.vidWork.FormattingEnabled = true;

this.vidWork.Location = new System.Drawing.Point(235, 98);

this.vidWork.Name = "vidWork";

this.vidWork.Size = new System.Drawing.Size(296, 26);

this.vidWork.TabIndex = 2;

this.vidWork.SelectedIndexChanged += new System.EventHandler(this.vidWork\_SelectedIndexChanged);

//

// label3

//

this.label3.AutoSize = true;

this.label3.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label3.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label3.Location = new System.Drawing.Point(231, 138);

this.label3.Name = "label3";

this.label3.Size = new System.Drawing.Size(140, 20);

this.label3.TabIndex = 3;

this.label3.Text = "Выбор бригады";

//

// brigade

//

this.brigade.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList;

this.brigade.Font = new System.Drawing.Font("Microsoft Sans Serif", 9F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.brigade.FormattingEnabled = true;

this.brigade.Location = new System.Drawing.Point(235, 161);

this.brigade.Name = "brigade";

this.brigade.Size = new System.Drawing.Size(296, 26);

this.brigade.TabIndex = 4;

this.brigade.SelectedIndexChanged += new System.EventHandler(this.brigade\_SelectedIndexChanged);

//

// completionDate

//

this.completionDate.Location = new System.Drawing.Point(235, 227);

this.completionDate.Name = "completionDate";

this.completionDate.Size = new System.Drawing.Size(296, 22);

this.completionDate.TabIndex = 5;

//

// label4

//

this.label4.AutoSize = true;

this.label4.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.label4.ForeColor = System.Drawing.Color.MediumTurquoise;

this.label4.Location = new System.Drawing.Point(231, 204);

this.label4.Name = "label4";

this.label4.Size = new System.Drawing.Size(224, 20);

this.label4.TabIndex = 6;

this.label4.Text = "Срок выполнения работы";

//

// exit

//

this.exit.BackColor = System.Drawing.Color.MediumTurquoise;

this.exit.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.exit.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.exit.Location = new System.Drawing.Point(235, 289);

this.exit.Name = "exit";

this.exit.Size = new System.Drawing.Size(136, 36);

this.exit.TabIndex = 7;

this.exit.Text = "Отменить";

this.exit.UseVisualStyleBackColor = false;

this.exit.Click += new System.EventHandler(this.exit\_Click);

//

// confirm

//

this.confirm.BackColor = System.Drawing.Color.MediumTurquoise;

this.confirm.FlatStyle = System.Windows.Forms.FlatStyle.Flat;

this.confirm.Font = new System.Drawing.Font("Microsoft Sans Serif", 10.2F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)(204)));

this.confirm.Location = new System.Drawing.Point(385, 289);

this.confirm.Name = "confirm";

this.confirm.Size = new System.Drawing.Size(146, 36);

this.confirm.TabIndex = 8;

this.confirm.Text = "Подтвердить";

this.confirm.UseVisualStyleBackColor = false;

this.confirm.Click += new System.EventHandler(this.confirm\_Click);

//

// NachUchastkaAddRabotiNaObj

//

this.AutoScaleDimensions = new System.Drawing.SizeF(8F, 16F);

this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;

this.ClientSize = new System.Drawing.Size(800, 450);

this.Controls.Add(this.confirm);

this.Controls.Add(this.exit);

this.Controls.Add(this.label4);

this.Controls.Add(this.completionDate);

this.Controls.Add(this.brigade);

this.Controls.Add(this.label3);

this.Controls.Add(this.vidWork);

this.Controls.Add(this.label2);

this.Controls.Add(this.label1);

this.Name = "NachUchastkaAddRabotiNaObj";

this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;

this.Text = "NachUchastkaAddRabotiNaObj";

this.ResumeLayout(false);

this.PerformLayout();

}

#endregion

private System.Windows.Forms.Label label1;

private System.Windows.Forms.Label label2;

private System.Windows.Forms.ComboBox vidWork;

private System.Windows.Forms.Label label3;

private System.Windows.Forms.ComboBox brigade;

private System.Windows.Forms.DateTimePicker completionDate;

private System.Windows.Forms.Label label4;

private System.Windows.Forms.Button exit;

private System.Windows.Forms.Button confirm;

}

}

30. NachUchastkaAddRabotiNaObj.cs

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace DPRK

{

public partial class NachUchastkaAddRabotiNaObj : Form

{

string roles;

int idObjects;

int idEmployers;

int idVidWorking;

int idBrigade;

int idRaboti;

Class.SQL.SQLManager sqlManager = new Class.SQL.SQLManager();

public NachUchastkaAddRabotiNaObj()

{

InitializeComponent();

}

/// <summary>

/// Инициализация компонентов. Добавления в выпадающий список вид работы и доступтные бригады.

/// Задание минимальной даты в календаре.

/// </summary>

/// <param name="role">Роль вошедшего</param>

/// <param name="idObject">Номер тип объекта </param>

/// <param name="idEmployer">Номер сотрудника</param>

public NachUchastkaAddRabotiNaObj(string role,int idObject,int idEmployer)

{

InitializeComponent();

completionDate.MinDate = DateTime.Now;

roles = role;

idObjects = idObject;

idEmployers = idEmployer;

sqlManager.AddComboBox(brigade, "[dbo].[Employee\_Brigad]", 1);

sqlManager.AddComboBox(vidWork, "[dbo].[Vid\_Rabot]", 1);

}

/// <summary>

/// Нажатие на кнопку "Отменить" на форме NachUchastkaAddRabotiNaObj для перехода в NachUchastka

/// </summary>

private void exit\_Click(object sender, EventArgs e)

{

if (roles == "Администратор информационной системы")

{

idEmployers = 0;

}

NachUchastka nachUchastka = new NachUchastka(roles,idEmployers);

nachUchastka.Show();

this.Hide();

}

/// <summary>

/// Нажатие на кнопку "Подтвердить на форме NachUchastkaAddRabotiNaObj для перехода в NachUchastka и занесением данных в БД что в последствии сформирует работу на объекте "

/// </summary>

private void confirm\_Click(object sender, EventArgs e)

{

if (vidWork.Text != "" && brigade.Text != "")

{

string date = completionDate.Value.ToShortDateString();

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Rabota\_Brigadi] where [dbo].[Rabota\_Brigadi].[ID\_Brigadira] = {idBrigade} and [dbo].[Rabota\_Brigadi].[ID\_Vida] = {idVidWorking}");

if (dataTable.Rows.Count == 0)

{

sqlManager.RequestSql($@"insert into [dbo].[Rabota\_Brigadi] values ({idBrigade},{idVidWorking})");

idRaboti = Convert.ToInt32(sqlManager.ReturnTable("select max([dbo].[Rabota\_Brigadi].[ID\_Raboti]) from [dbo].[Rabota\_Brigadi]").Rows[0][0]);

}

else

{

idRaboti = Convert.ToInt32(dataTable.Rows[0][0]);

}

Random random = new Random();

int ran = random.Next(0, 5);

sqlManager.RequestSql($@"insert into [dbo].[Raboti\_Na\_Obiecte] values ({idObjects},{idRaboti},'Работа выполняется','{date}',{ran})");

if (roles == "Администратор информационной системы")

{

idEmployers = 0;

}

NachUchastka nachUchastka = new NachUchastka(roles, idEmployers);

nachUchastka.Show();

this.Hide();

}

else

{

MessageBox.Show("Поля вид работы, бригада, срок выполнения работы должны быть заполнены.");

}

}

/// <summary>

/// Получение номера вида работы

/// </summary>

private void vidWork\_SelectedIndexChanged(object sender, EventArgs e)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Vid\_Rabot] where [dbo].[Vid\_Rabot].[Name] = '{vidWork.Text}'");

if (dataTable.Rows.Count > 0)

idVidWorking = Convert.ToInt32(dataTable.Rows[0][0]);

}

/// <summary>

/// Получение номера бригады

/// </summary>

private void brigade\_SelectedIndexChanged(object sender, EventArgs e)

{

DataTable dataTable = sqlManager.ReturnTable($@"select \* from [dbo].[Seartch\_Brigadir\_Search] ('{brigade.Text}')");

if (dataTable.Rows.Count > 0)

idBrigade = Convert.ToInt32(dataTable.Rows[0][0]);

}

}

}