**1 Постановка задачи**

ООО «Красотка» - магазин по продаже косметики для женщин.

В рамках выполнения задания по учебной практике необходимо разработать основные модули информационной системы для ООО «Красотка»:

* неавторизованный клиент может просматривать товары;
* авторизованный клиент может просматривать товары и оформлять заказ;
* менеджер может просматривать товары, оформлять и редактировать заказы;
* администратор может добавлять/редактировать/удалять товары, просматривать и редактировать заказы, добавлять/редактировать/удалять категории товара, роли пользователей, добавлять/удалять пользователей БД, осуществлять импорт и экспорт БД.

Кроме того, разрабатываемая информационная система предполагает установку на терминалах при входе в торговые центры города. На терминале клиент может просмотреть товары.

**2 Структура таблиц в БД**

Таблица 2.1 - Структура таблицы «order»

|  |  |  |  |
| --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** |
| 1 | OrderID | integer | Идентификатор поля товара. Первичный ключ |
| 2 | OrderDeliveryDate | date | Дата доставки товара |
|  | OrderProductID | integer | Идентификатор товара |
| 3 | OrderDate | date | Дата заказа товара |
| 4 | OrderCode | integer | Код получения товара |
| 5 | OrderPickupPoint | integer | Внешний ключ, связанный с таблицей «orderpickuppoint». Пункт получения товара |
| 6 | OrderClient | integer | Внешний ключ, связанный с таблицей «user». Клиент на которого оформлен заказ |
| 7 | OrderStatus | integer | Внешний ключ, связанный с таблицей «orderstatus». Статус заказа |

Таблица 2.2 - Структура таблицы «orderpickuppoint»

|  |  |  |  |
| --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** |
| 1 | idPickupPoint | integer | Идентификатор поля пункта доставки товара. Первичный ключ |
| 2 | PostCode | integer | Почтовый индекс пункта доставки товара |
| 3 | PickupPoint | text | Адрес пункта доставки товара |

Таблица 2.3 - Структура таблицы «orderproduct»

|  |  |  |  |
| --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** |
| 1 | OrderID | integer | Идентификатор поля товара. Первичный ключ |
| 2 | ProductArticleNumber | varchar(100) | Артикул товара |
| 3 | OrderCount | integer | Количество товара |

Таблица 2.4 - Структура таблицы «orderstatus»

|  |  |  |  |
| --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** |
| 1 | idStatus | integer | Идентификатор поля статуса товара. Первичный ключ |

Продолжение таблицы 2.4 структура таблицы «orderproduct»

|  |  |  |  |
| --- | --- | --- | --- |
| 2 | OrderStatus | varchar(60) | Статус заказа товара |

Таблица 2.5 - Структура таблицы «product»

|  |  |  |  |
| --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** |
| 1 | ProductArticleNumber | varchar(100) | Идентификатор поля артикула товара. Первичный ключ |
| 2 | ProductName | text | Название товара |
| 3 | ProductDescription | text | Описание товара |
| 4 | ProductCategory | integer | Внешний ключ связанный с таблицей «productcategory». Название категории товара |
| 5 | ProductPhoto | text | Фотография товара |
| 6 | ProductManufacturer | integer | Внешний ключ связанный с таблицей «productmanufacturer». Название производителя товара |
| 7 | ProductCost | decimal(19, 4) | Стоимость товара |
| 8 | ProductDiscountAmount | tinyint | Текущая скидка товара |
| 9 | ProductQuantityInStock | integer | Количество на складе |
| 10 | ProductUnit | integer | Внешний ключ связанный с таблицей «productunit». Единицы измерения товара |
| 11 | ProductSupplier | integer | Внешний ключ связанный с таблицей «productsupplier». Название поставщика товара |
| 12 | ProductMaxDiscount | integer | Максимальная скидка товара |

Таблица 2.6 - Структура таблицы «productcategory»

|  |  |  |  |
| --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** |
| 1 | idCategory | integer | Идентификатор поля категории товара. Первичный ключ |
| 2 | Category | varchar(150) | Название категории товара |

Таблица 2.7 - Структура таблицы «productmanufacturer»

|  |  |  |  |
| --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** |
| 1 | idManufacturer | integer | Идентификатор поля производителя товара. Первичный ключ |
| 2 | Manufacturer | varchar(150) | Название производителя товара |

Таблица 2.8 - Структура таблицы «productsupplier»

|  |  |  |  |
| --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** |
| 1 | idSupplier | integer | Идентификатор поля поставщика товара. Первичный ключ |
| 2 | Supplier | varchar(150) | Название поставщика товара |

Таблица 2.9 - Структура таблицы «productunit»

|  |  |  |  |
| --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** |
| 1 | idUnit | integer | Идентификатор поля единицы измерения товара. Первичный ключ |
| 2 | Unit | varchar(150) | Название единицы измерения товара |

Таблица 2.10 - Структура таблицы «role»

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** | |
| 1 | RoleID | integer | | Идентификатор поля роли пользователя. Первичный ключ | |
| 2 | RoleName | varchar(100) | | Название роли пользователя | |

Таблица 2.11 - Структура таблицы «user»

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** | |
| 1 | UserID | integer | | Идентификатор поля пользователя. Первичный ключ | |
| 2 | UserSurname | varchar(100) | | Фамилия пользователя | |
| 3 | UserName | varchar(100) | | Имя пользователя | |
| 4 | UserPatronymic | varchar(100) | | Отчество пользователя | |
| 5 | UserLogin | text | | Логин пользователя | |
| 6 | UserPassword | text | | Пароль пользователя | |
| 7 | UserRole | integer | | Внешний ключ связанный с таблицей «role». | |

Таблица 2.12 - Структура таблицы «cart»

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **№ п/п** | **Название поля** | **Тип данных** | **Описание поля** | |
| 1 | idCart | integer | | Идентификатор поля корзины. Первичный ключ | |
| 2 | idUser | integer | | Идентификатор пользователя | |
| 3 | idProduct | varchar(60) | | Идентификатор товара | |
| 4 | NameProduct | varchar(150) | | Название товара | |
| 5 | Price | decimal(19,2) | | Общая цена корзины | |
| 6 | Quantity | integer | | Общее количество в корзине | |

**3 Схема базы данных**

На рисунке 3.1 представлена схема базы данных и используемые связи.

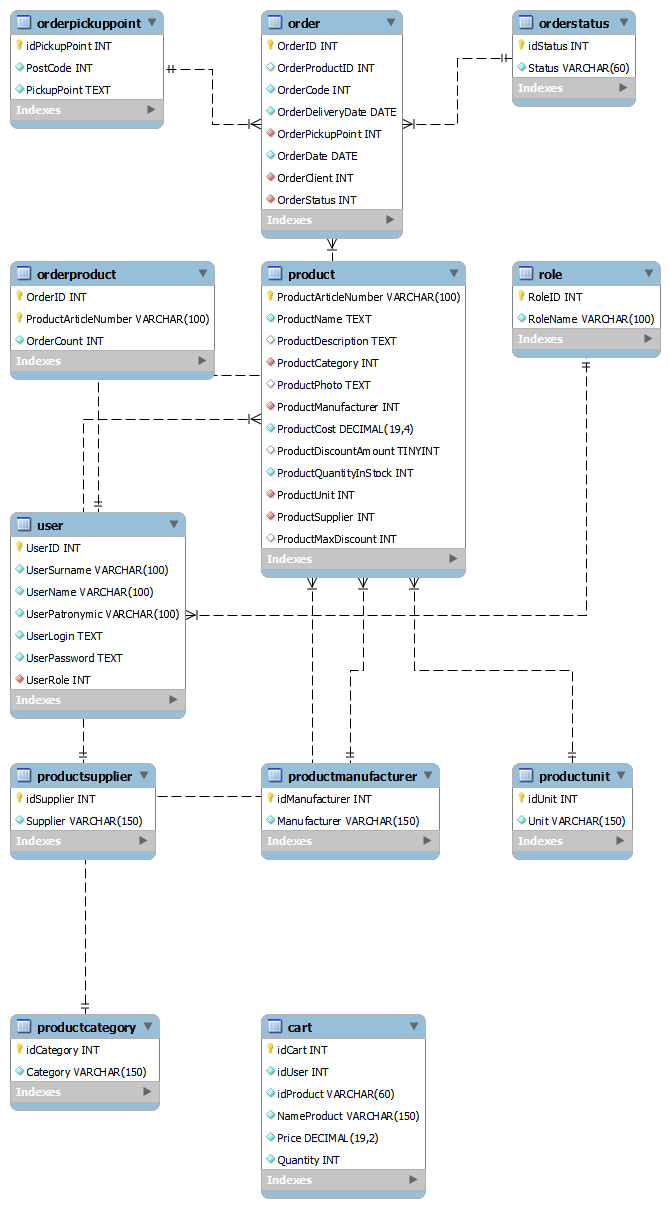


Рисунок 3.1 - Схема базы данных

**4 Описание программных модулей**

На рисунке 4.1 показана форма «Авторизация»

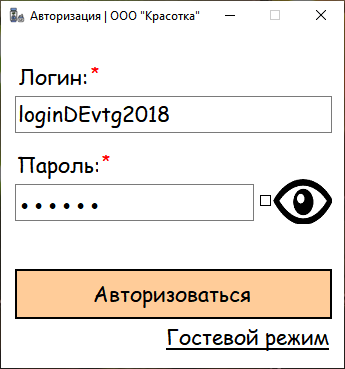


Рисунок 4.1 – Форма «Авторизация»

На рисунке 4.2 показано модальное окно капчи для формы «Авторизация»

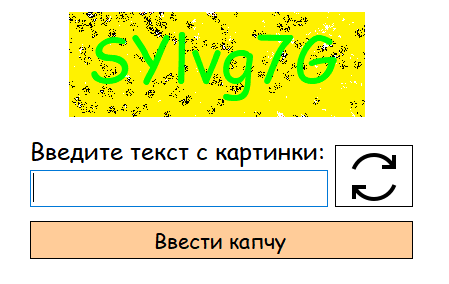


Рисунок 4.2 – Модальное окно капчи для формы «Авторизация»

На рисунке 4.3 показана форма главного меню за администратора

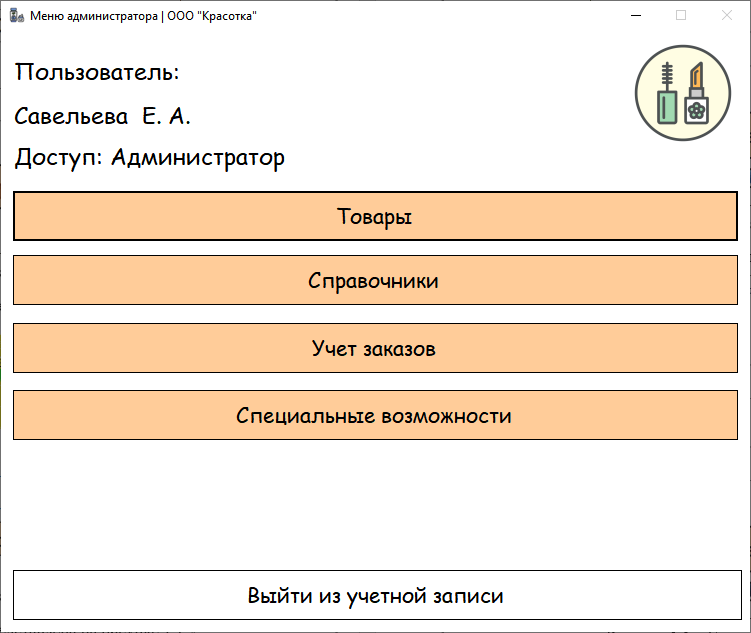


Рисунок 4.3 – Форма меню за администратора

На рисунке 4.4 показана форма главного меню за менеджера

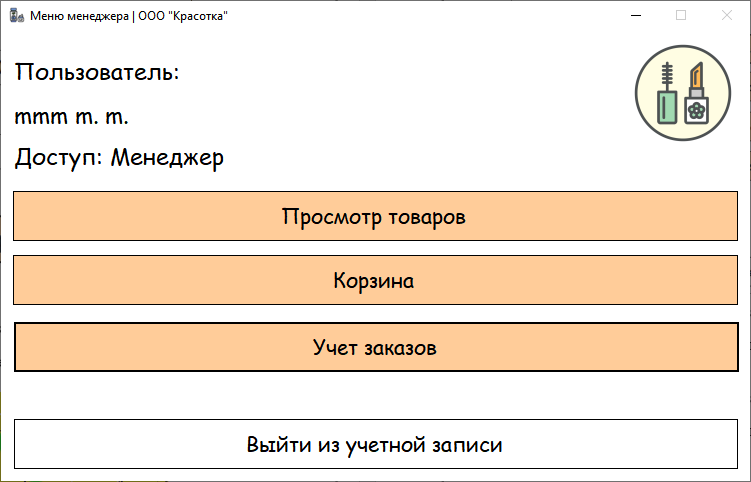


Рисунок 4.4 – Форма меню за менеджера

На рисунке 4.5 показана форма главного меню за клиента



Рисунок 4.5 – Форма меню за пользователя

На рисунке 4.6 показана форма «Товары» под учетной записью неавторизованного пользователя, клиента и менеджера

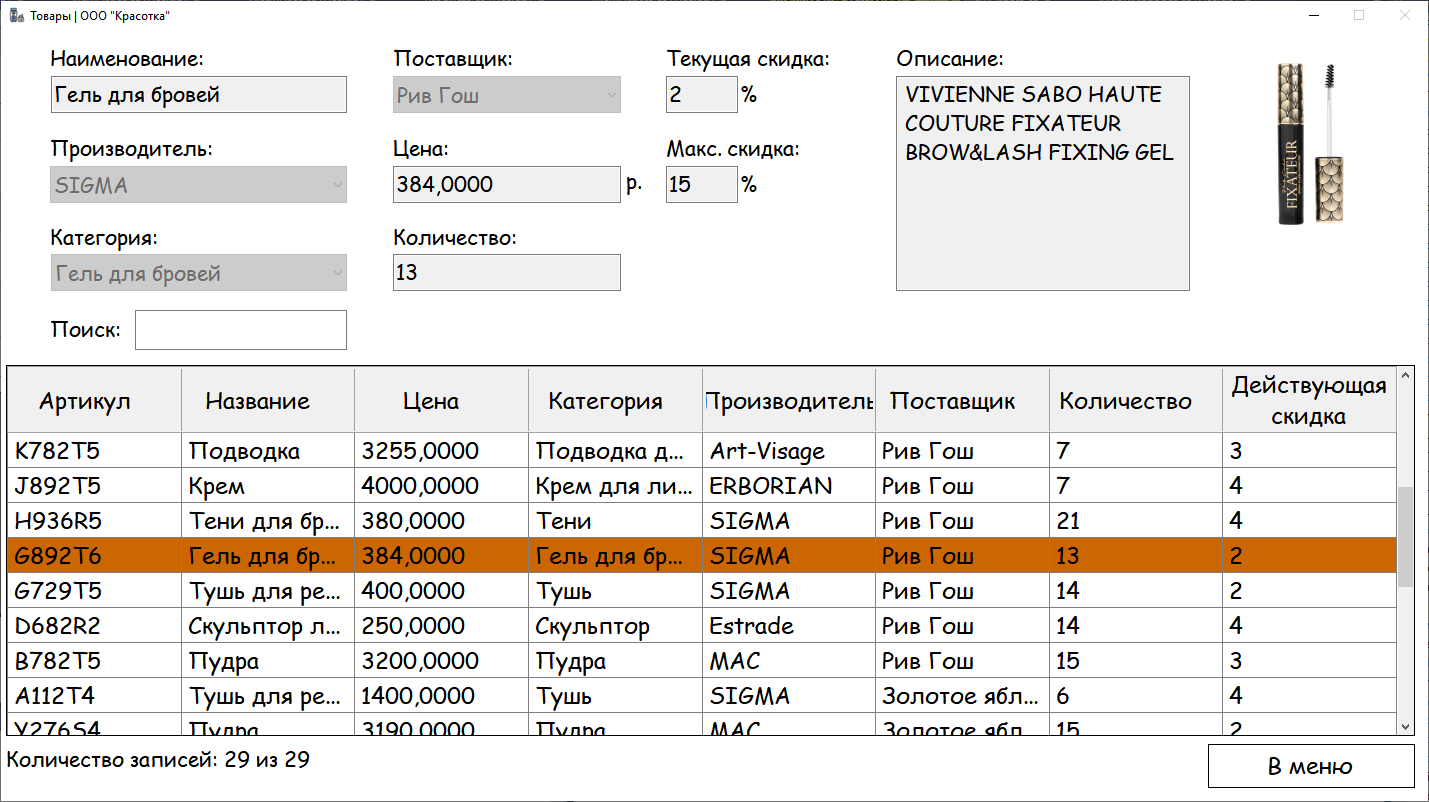


Рисунок 4.6 – Форма просмотра товаров

На рисунке 4.7 показана форма «Заказ товара» под учетной записью клиента и менеджера

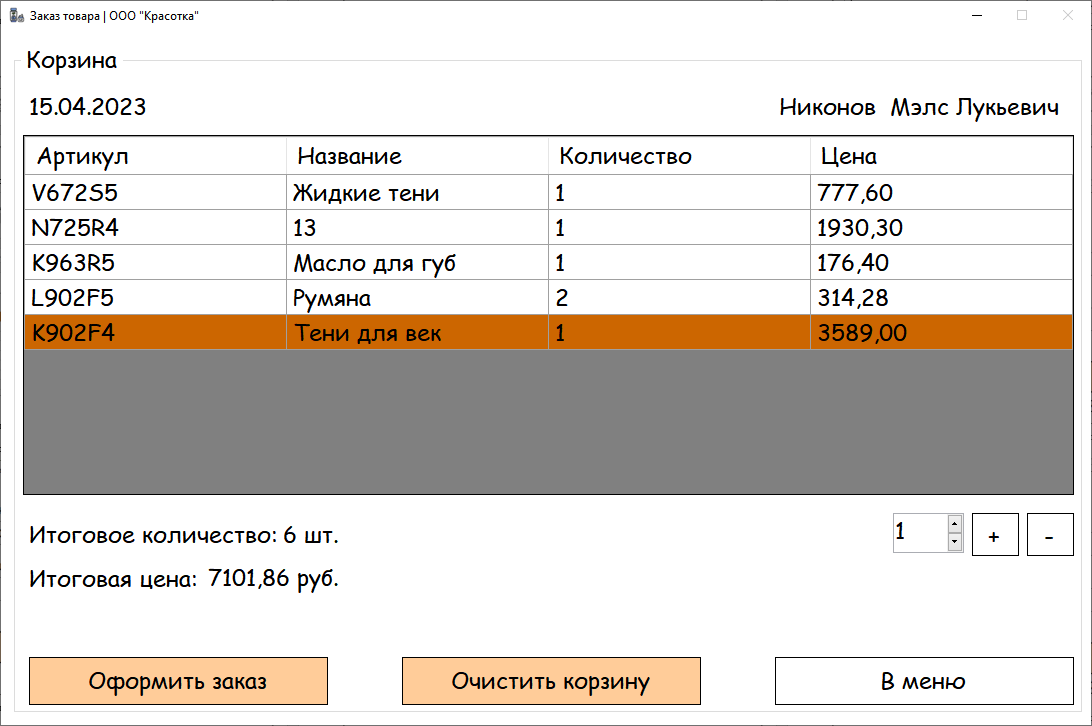


Рисунок 4.7 – Форма заказа товара

На рисунке 4.8 показана форма «Оформление заказа» под учетной записью клиента и менеджера

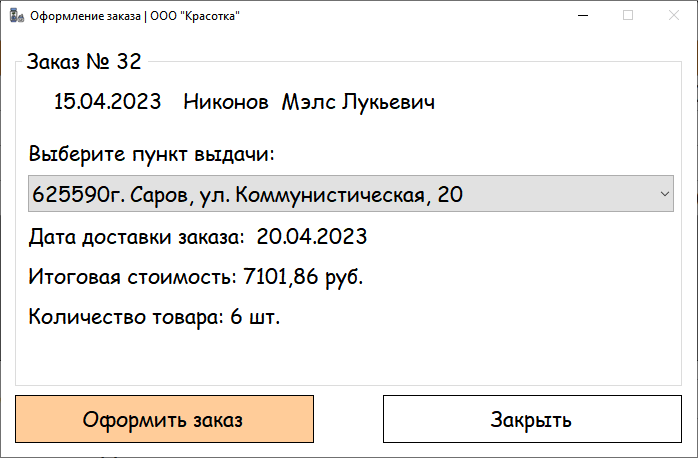


Рисунок 4.8 – Форма оформления заказа

На рисунке 4.9 показана форма «Учет заказов» под учетной записью менеджера и администратора

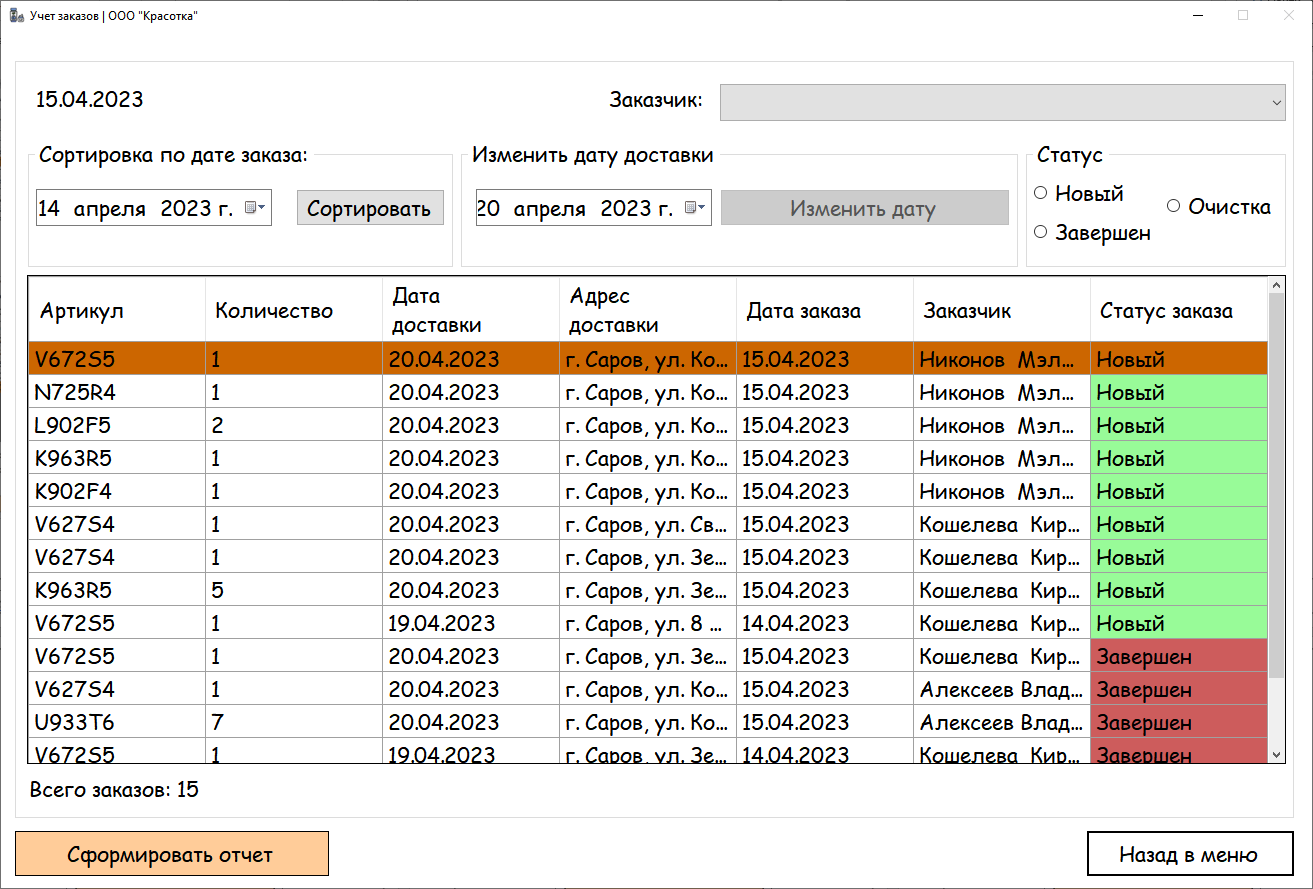


Рисунок 4.9 – Форма учета заказов

На рисунке 4.10 показана форма просмотра товаров с возможностью добавления/редактирования/удаления под учетной записью администратора

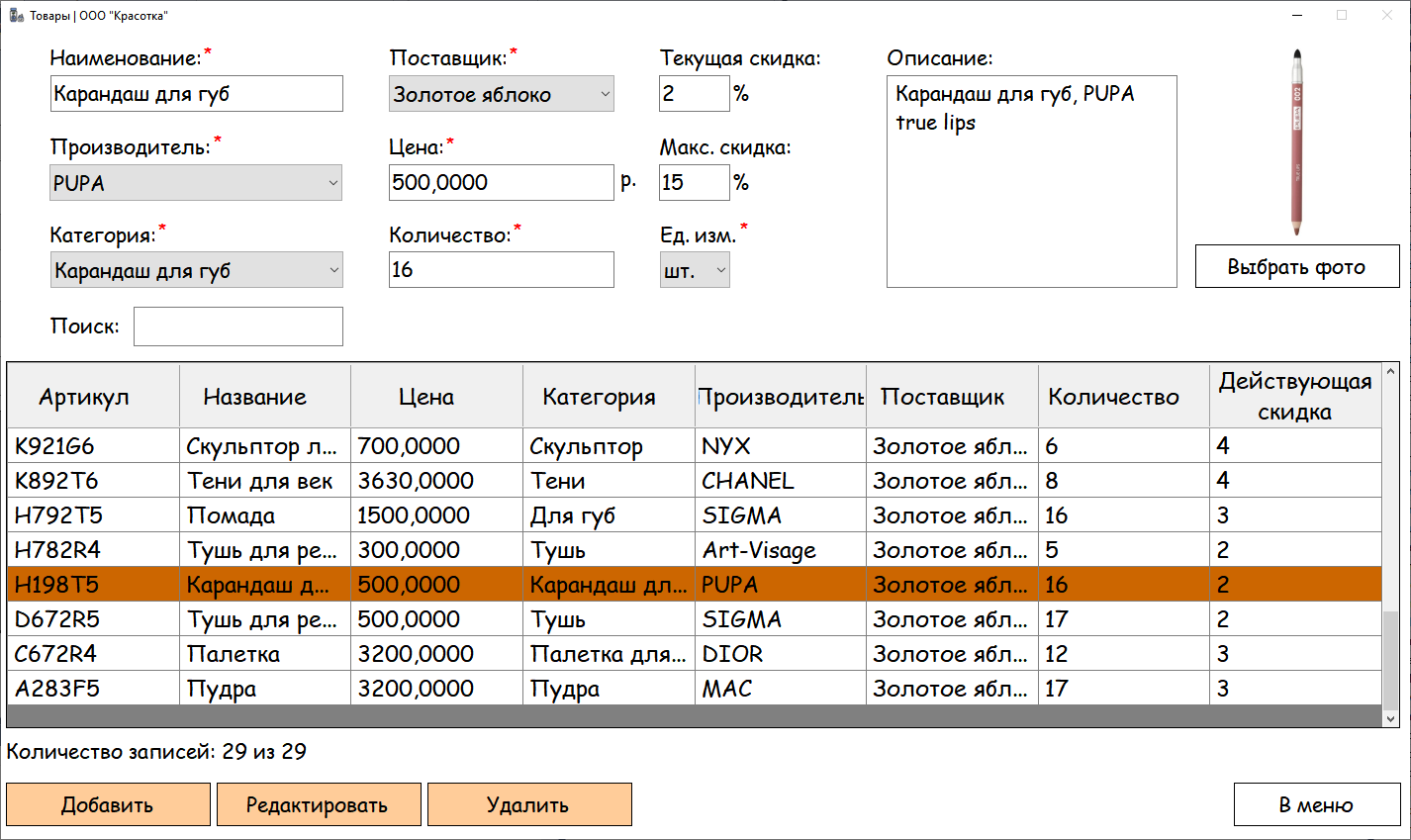


Рисунок 4.10 – Форма просмотра товаров за администратора

На рисунке 4.11 показана форма «Справочники», раздел «Категории»

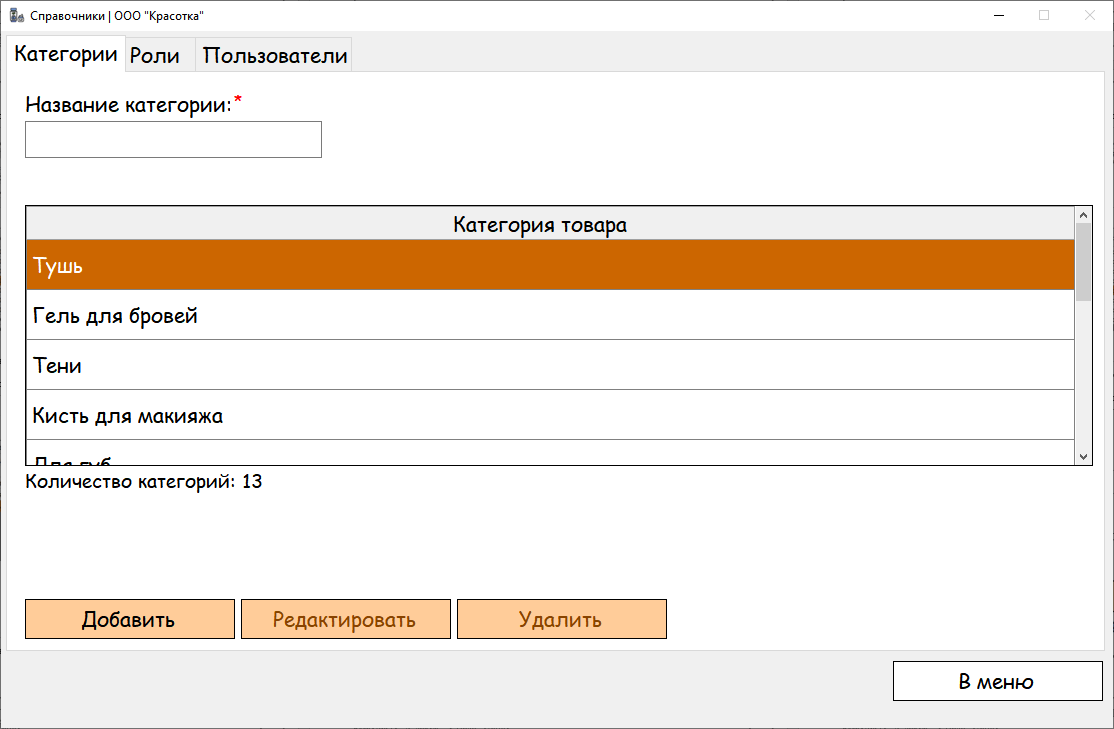


Рисунок 4.11 – форма «Справочники», раздел «Категории»

На рисунке 4.12 показана форма «Справочники», раздел «Роли»

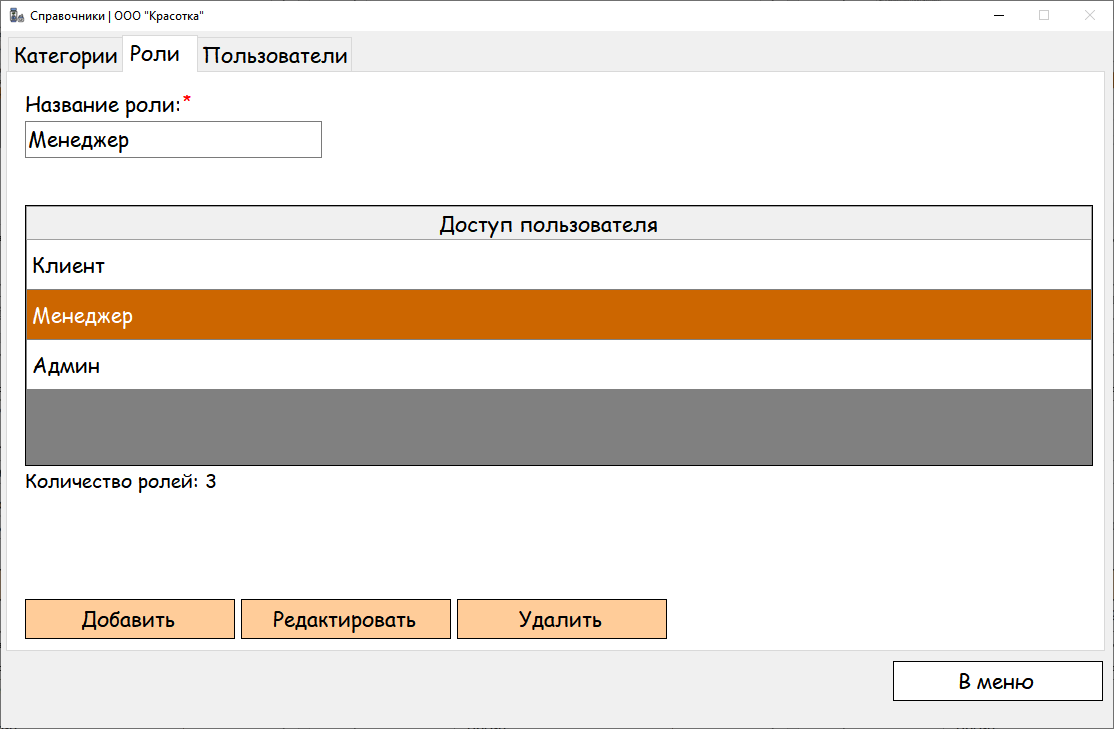


Рисунок 4.12 – форма «Справочники», раздел «Роли»

На рисунке 4.13 показана форма «Справочники», раздел «Пользователи»

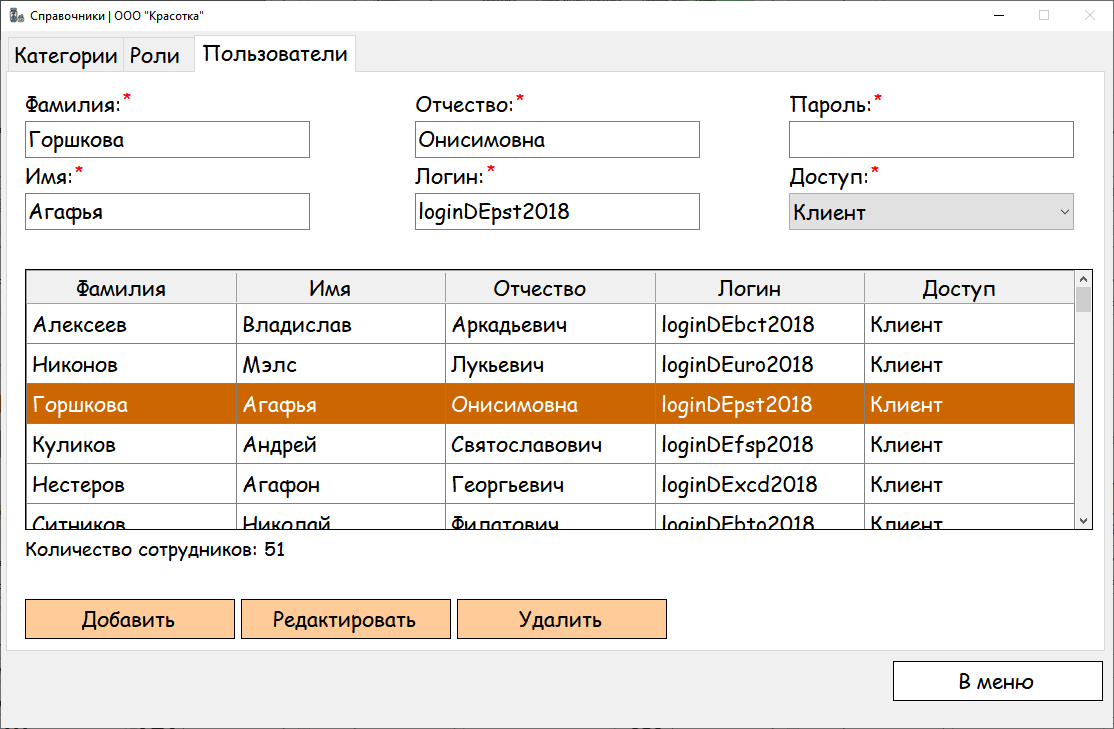


Рисунок 4.13 – форма «Справочники», раздел «Пользователи»

На рисунке 4.14 показана форма «Специальные возможности», раздел «Импорт БД»

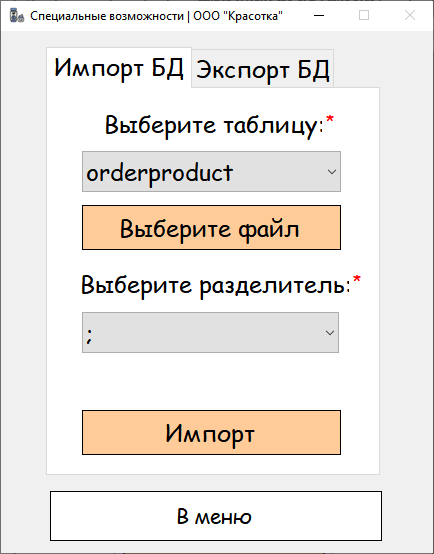


Рисунок 4.14 – форма «Специальные возможности», раздел «Импорт БД»

На рисунке 4.15 показана форма «Специальные возможности», раздел «Экспорт БД»

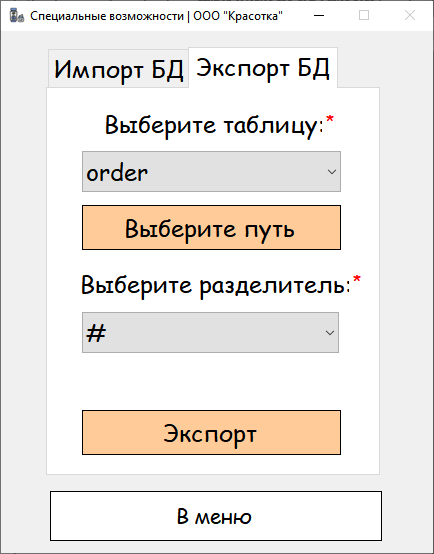


Рисунок 4.15 – форма «Специальные возможности», раздел «Экспорт БД»

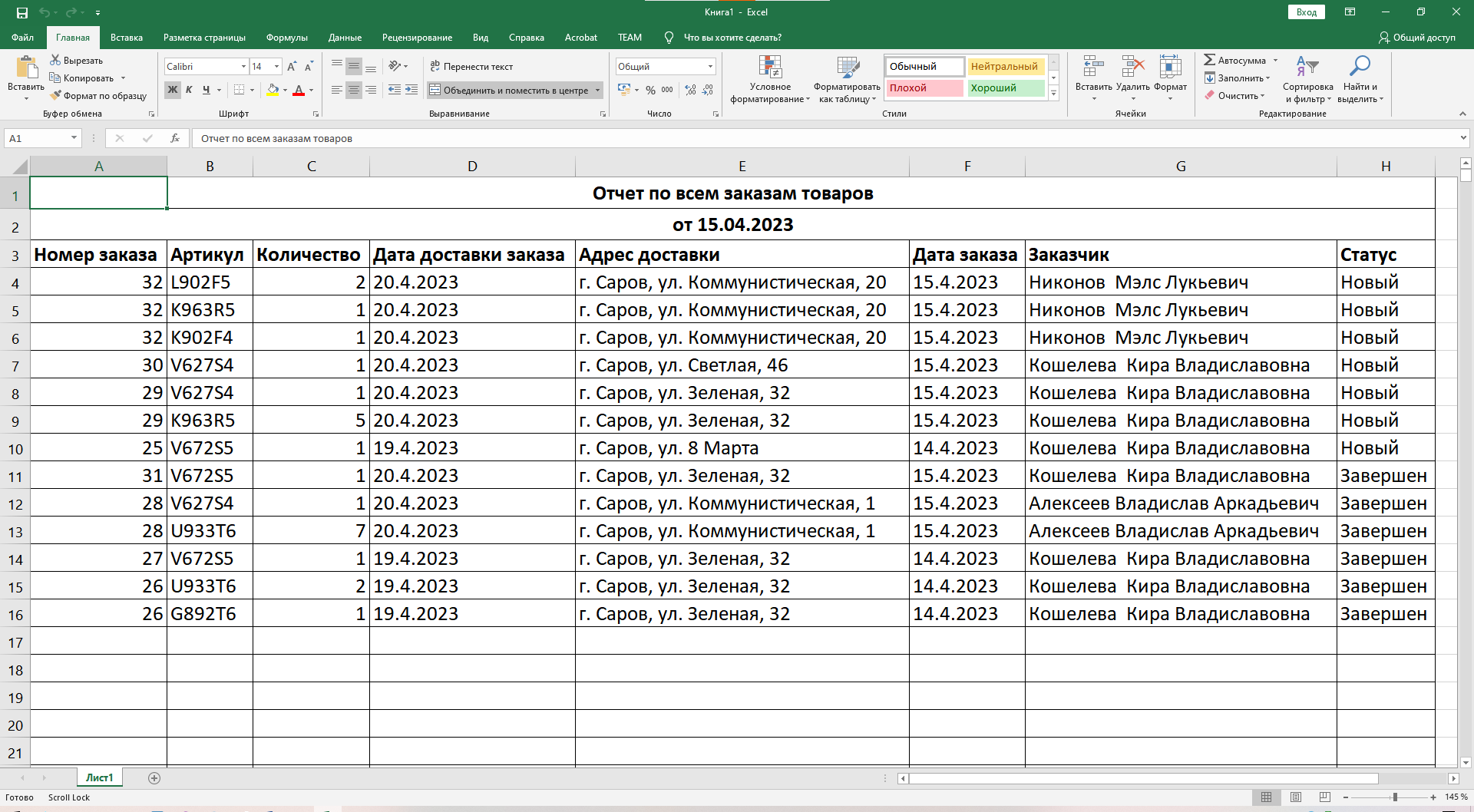
На рисунке 4.16 показана печать отчета по заказам в файл Excel

Рисунок 4.16 – Печать отчета по заказам в файл Excel

На рисунке 4.17 показана печать отчета по заказам в файл Word

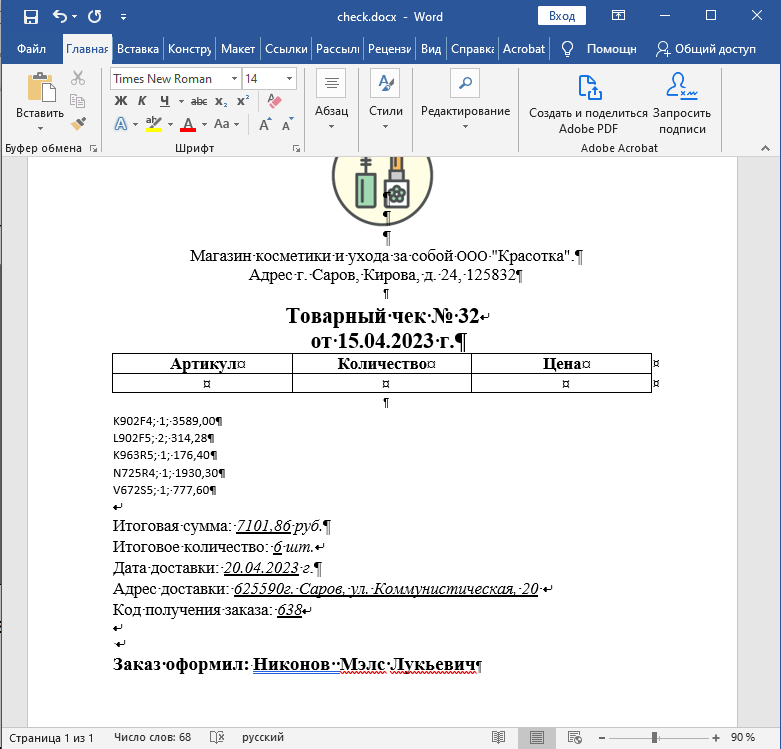


Рисунок 4.17 – Печать чека заказа в файл Word

**5 Листинг программы**

**AuthForm.cs** – главная форма авторизации

using MySql.Data.MySqlClient;

using System;

using System.IO;

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;

using System.Security.Cryptography;

namespace BeautyGlory

{

public partial class AuthForm : Form

{

static public int role\_user = 0;

static public string id\_user = "";

int count\_auth = 0;

public static int checkform = 0;

Captch captch = new Captch();

MenuAdmin menuadmin = new MenuAdmin();

MenuManager menumanager = new MenuManager();

MenuUser menuuser = new MenuUser();

ViewProduct vprod = new ViewProduct();

public AuthForm()

{

BackupDB bk = new BackupDB();

bk.getBackup();

InitializeComponent();

}

private void Auth\_Load(object sender, EventArgs e)

{

tbPass.UseSystemPasswordChar = true;

}

private void cbPass\_CheckedChanged(object sender, EventArgs e)

{

if (cbPass.Checked == true)

{

tbPass.UseSystemPasswordChar = false;

}

else

{

tbPass.UseSystemPasswordChar = true;

}

}

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

{

try

{

if (count\_auth > 0)

{

MessageBox.Show("Внимание! Теперь для авторизации необходимо ввести капчу.", "Информация", MessageBoxButtons.OK, MessageBoxIcon.Warning);

captch.ShowDialog();

}

if (tbLog.Text == "" || tbPass.Text == "")

{

MessageBox.Show("Ошибка! Сначала заполните все поля!", "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

count\_auth++;

}

else

{

string tblog = tbLog.Text;

string tbpass = tbPass.Text;

string dbpass = "";

bool flag = true;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = "SELECT UserPassword FROM user WHERE UserLogin = '" + tblog + "';";

MySqlCommand command = new MySqlCommand(sql, connection.GetConnect());

try

{

dbpass = command.ExecuteScalar().ToString();

}

catch

{

MessageBox.Show("Ошибка! Такого пользователя не существует. Повторите попытку.", "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

tbLog.Clear();

flag = false;

count\_auth++;

}

if (flag)

{

if (count\_auth > 1)

{

MessageBox.Show("Внимание! Теперь для авторизации необходимо ввести капчу.", "Информация", MessageBoxButtons.OK, MessageBoxIcon.Warning);

captch.ShowDialog();

}

if (tbpass == dbpass)

{

count\_auth = 0;

var sql\_role = "SELECT UserRole FROM user WHERE UserLogin = @tblog;";

using (var com = new MySqlCommand(sql\_role, connection.GetConnect()))

{

com.Parameters.AddWithValue("@tblog", tblog);

role\_user = Convert.ToInt32(com.ExecuteScalar());

}

var sql\_userid = "SELECT UserID FROM user WHERE UserLogin = @tblog;";

using (var com\_id = new MySqlCommand(sql\_userid, connection.GetConnect()))

{

com\_id.Parameters.AddWithValue("@tblog", tblog);

id\_user = com\_id.ExecuteScalar().ToString();

}

tbPass.Clear();

tbLog.Clear();

switch (role\_user)

{

case 1:

checkform = 0;

this.Visible = false;

menuuser.ShowDialog();

this.Visible = true;

break;

case 2:

checkform = 14741;

this.Visible = false;

menumanager.ShowDialog();

this.Visible = true;

break;

case 3:

checkform = 14741;

this.Visible = false;

menuadmin.ShowDialog();

this.Visible = true;

break;

default:

break;

}

}

else

{

MessageBox.Show("Ошибка! Введен неверный пароль.\n Повторите попытку.", "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

tbPass.Clear();

count\_auth++;

}

}

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

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

{

if (e.KeyChar >= 'a' && e.KeyChar <= 'z' || e.KeyChar >= 'A' && e.KeyChar <= 'Z' || e.KeyChar >= '0' && e.KeyChar <= '9' || e.KeyChar == 8 || e.KeyChar == ' ')

{

return;

}

else

{

e.Handled = true;

}

}

private void linkLabel1\_LinkClicked(object sender, LinkLabelLinkClickedEventArgs e)

{

tbLog.Clear();

tbPass.Clear();

this.Visible = false;

vprod.ShowDialog();

this.Visible = true;

}

private void Auth\_FormClosing(object sender, FormClosingEventArgs e)

{

if (MessageBox.Show("Вы уверены, что хотите выйти из программы?", "Выход из программы", MessageBoxButtons.YesNo, MessageBoxIcon.Question) == System.Windows.Forms.DialogResult.No)

e.Cancel = true;

else

e.Cancel = false;

}

}

}

**BackupDB.cs** – класс бэкапа БД при открытии приложения

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using MySql.Data.MySqlClient;

using System.IO;

using System.Diagnostics;

using System.Data.SqlClient;

using System.Data;

namespace BeautyGlory

{

class BackupDB

{

public void getBackup()

{

try

{

string exportPath = Path.Combine(AppDomain.CurrentDomain.BaseDirectory, "BackupDataBaseCSV\_" + DateTime.Now.ToString("yyyy-MM-dd HH-mm-ss"));

if (!Directory.Exists(exportPath))

{

Directory.CreateDirectory(exportPath);

}

using (db\_connect db = new db\_connect())

{

MySqlConnection connection = db.GetConnect();

DataTable schema = connection.GetSchema("Tables");

foreach (DataRow row in schema.Rows)

{

string tableName = row[2].ToString();

string sql = string.Format("SELECT \* FROM `{0}`", tableName);

using (MySqlDataAdapter adapter = new MySqlDataAdapter(sql, connection))

{

DataTable dataTable = new DataTable();

adapter.Fill(dataTable);

string fileName = Path.Combine(exportPath, tableName + ".csv");

using (StreamWriter writer = new StreamWriter(fileName))

{

foreach (DataRow dataRow in dataTable.Rows)

{

string rowText = "";

for (int i = 0; i < dataTable.Columns.Count; i++)

{

rowText += dataRow[i].ToString();

if (i < dataTable.Columns.Count - 1)

{

rowText += ",";

}

}

writer.WriteLine(rowText);

}

}

}

}

}

}

catch (Exception)

{

;

}

}

}

}

**Captch.cs** – форма капчи на форме авторизации

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace BeautyGlory

{

public partial class Captch : Form

{

bool flag = false;

public Captch()

{

InitializeComponent();

GenCaptch();

}

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

{

if (tbCaptch.Text == "")

{

MessageBox.Show("Ошибка. Введите капчу!", "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

bInput.Enabled = false;

bReload.Enabled = false;

Thread.Sleep(10000);

bInput.Enabled = true;

bReload.Enabled = true;

}

else

{

if (lCaptch.Text == tbCaptch.Text)

{

tbCaptch.Clear();

flag = true;

this.Close();

}

else

{

MessageBox.Show("Ошибка. Капча неверная! Повторите попытку через 10 секунд.", "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

bInput.Enabled = false;

bReload.Enabled = false;

Thread.Sleep(10000);

bInput.Enabled = true;

bReload.Enabled = true;

GenCaptch();

tbCaptch.Clear();

}

}

}

public void GenCaptch()

{

string text = "QWERTYUIOPASDFGHJKLZXCVBNMqwertyuiopasdfghjklzxcvbnm0123456789";

string captch = "";

int len = text.Length;

Random rnd = new Random();

for (int i = 0; i < 8; i++)

{

captch += text[rnd.Next(1, len)];

}

lCaptch.Text = captch;

}

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

{

tbCaptch.Clear();

GenCaptch();

}

private void Captch\_FormClosing(object sender, FormClosingEventArgs e)

{

if (flag == true)

{

e.Cancel = false;

}

else

{

e.Cancel = true;

}

}

private void Captch\_Load(object sender, EventArgs e)

{

GenCaptch();

}

}

}

**dbconnect.cs** – класс подключения к БД

using MySql.Data.MySqlClient;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace BeautyGlory

{

class db\_connect : IDisposable

{

private readonly MySqlConnection connection;

public db\_connect()

{

connection = new MySqlConnection("host=localhost;uid=root;pwd=;database=trade1;");

OpenConnect();

}

public void Dispose()

{

CloseConnect();

}

public void OpenConnect()

{

if (connection.State == System.Data.ConnectionState.Closed)

{

connection.Open();

}

}

public void CloseConnect()

{

if (connection.State == System.Data.ConnectionState.Open)

{

connection.Close();

}

}

public MySqlConnection GetConnect()

{

return connection;

}

}

}

**Guide.cs** – форма справочники

using MySql.Data.MySqlClient;

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 BeautyGlory

{

public partial class Guide : Form

{

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

string id\_role = "";

string id\_cat = "";

string id\_emp = "";

bool flag\_category = false;

bool flag\_role = false;

public Guide()

{

InitializeComponent();

}

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

{

this.Close();

}

private void Guide\_Load(object sender, EventArgs e)

{

FillRole();

FillCat();

FillEmp();

cbRole\_Fill();

CountRowsDgv();

ClearTbEmp();

bDel\_Role.Enabled = false;

bEdit\_Role.Enabled = false;

bDel\_Emp.Enabled = false;

bEdit\_Emp.Enabled = false;

bDel\_Cat.Enabled = false;

bUpd\_Cat.Enabled = false;

}

public void FillRole()

{

using (var connection = new db\_connect())

{

connection.OpenConnect();

string sql = @"SELECT RoleID AS 'ID', RoleName AS 'Доступ пользователя' FROM role;";

using (var com = new MySqlCommand(sql, connection.GetConnect()))

{

using (var adapter = new MySqlDataAdapter(com))

{

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvRole.RowTemplate.Height = 50;

dgvRole.DataSource = dt;

foreach (DataGridViewColumn column in dgvRole.Columns)

{

if (column.Index == 0)

{

column.Visible = false;

}

else

{

column.AutoSizeMode = DataGridViewAutoSizeColumnMode.Fill;

}

}

}

}

ClearTbEmp();

connection.CloseConnect();

}

}

public void FillCat()

{

try

{

using (var connection = new db\_connect())

{

connection.OpenConnect();

string sql = @"SELECT idCategory AS 'ID', Category AS 'Категория товара' FROM productcategory;";

using (var com = new MySqlCommand(sql, connection.GetConnect()))

{

using (var adapter = new MySqlDataAdapter(com))

{

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvCat.RowTemplate.Height = 50;

dgvCat.DataSource = dt;

dgvCat.Columns[0].Visible = false;

foreach (DataGridViewColumn column in dgvCat.Columns)

{

if (column.Index != 0)

{

column.AutoSizeMode = DataGridViewAutoSizeColumnMode.Fill;

}

}

}

}

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void FillEmp()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT user.UserID AS 'ID', user.UserSurname AS 'Фамилия', user.USerName AS 'Имя', user.UserPatronymic AS 'Отчество', user.UserLogin AS 'Логин', role.RoleName AS 'Доступ' FROM user INNER JOIN role ON role.RoleID = user.UserRole;";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

dgvEmp.RowTemplate.Height = 40;

adapter.Fill(dt);

dgvEmp.DataSource = dt;

dgvEmp.Columns[0].Visible = false;

foreach (DataGridViewColumn column in dgvEmp.Columns)

{

column.AutoSizeMode = DataGridViewAutoSizeColumnMode.AllCells;

column.AutoSizeMode = DataGridViewAutoSizeColumnMode.Fill;

}

connection.CloseConnect();

}

private void bAdd\_Cat\_Click(object sender, EventArgs e)

{

if (string.IsNullOrWhiteSpace(tbCat.Text))

{

MessageBox.Show("Ошибка! Сначала заполните все поля.", "Добавление категории", MessageBoxButtons.OK, MessageBoxIcon.Error);

return;

}

int categoryID = GetCategory();

if (categoryID != 1012)

{

MessageBox.Show("Ошибка! Такая категория уже существует.", "Добавление категории", MessageBoxButtons.OK, MessageBoxIcon.Error);

tbCat.Clear();

return;

}

using (var connection = new db\_connect())

{

connection.OpenConnect();

string sql = string.Format("INSERT INTO productcategory VALUES (null, '{0}')", tbCat.Text);

using (var com = new MySqlCommand(sql, connection.GetConnect()))

{

com.ExecuteNonQuery();

}

}

tbCat.Clear();

FillCat();

CountRowsDgv();

MessageBox.Show("Успешно! Запись добавлена.", "Добавление категории", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

private void bAdd\_Role\_Click(object sender, EventArgs e)

{

// Очищаем поле tbRole и проверяем, заполнено ли оно

tbRole.Clear();

if (tbRole.Text == "")

{

MessageBox.Show("Ошибка! Сначала заполните все поля.", "Добавление роли", MessageBoxButtons.OK, MessageBoxIcon.Error);

return;

}

else

{

if (GetRole() != 1012)

{

MessageBox.Show("Ошибка! Такая роль уже существует.", "Добавление роли", MessageBoxButtons.OK, MessageBoxIcon.Error);

tbRole.Clear();

}

else

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("INSERT INTO role VALUES(null, '{0}') ;", tbRole.Text);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

tbRole.Clear();

FillRole();

CountRowsDgv();

MessageBox.Show("Успешно! Запись добавлена.", "Добавление роли", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

}

}

private void dgvRole\_CellMouseClick(object sender, DataGridViewCellMouseEventArgs e)

{

try

{

id\_role = dgvRole.Rows[e.RowIndex].Cells[0].Value.ToString();

tbRole.Text = dgvRole.Rows[e.RowIndex].Cells[1].Value.ToString();

bDel\_Role.Enabled = true;

bEdit\_Role.Enabled = true;

}

catch (Exception)

{

;

}

}

private void dgvCat\_CellMouseClick(object sender, DataGridViewCellMouseEventArgs e)

{

try

{

id\_cat = dgvCat.Rows[e.RowIndex].Cells[0].Value.ToString();

tbCat.Text = dgvCat.Rows[e.RowIndex].Cells[1].Value.ToString();

bDel\_Cat.Enabled = true;

bUpd\_Cat.Enabled = true;

}

catch (Exception)

{

;

}

}

private void bDel\_Cat\_Click(object sender, EventArgs e)

{

DialogResult result = MessageBox.Show("Вы действительно хотите удалить выбранную запись?", "Удаление категории", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (DialogResult.Yes == result)

{

Check\_Cat\_Using();

if (flag\_category == true)

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"DELETE FROM productcategory WHERE idCategory = " + id\_cat + ";";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

MessageBox.Show("Запись успешно удалена.", "Удаление категории", MessageBoxButtons.OK, MessageBoxIcon.Information);

bDel\_Cat.Enabled = false;

bUpd\_Cat.Enabled = false;

tbCat.Clear();

FillCat();

CountRowsDgv();

}

else

{

MessageBox.Show("Ошибка! Данная категория используется.", "Предупреждение", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

}

}

private void bDel\_Role\_Click(object sender, EventArgs e)

{

DialogResult result = MessageBox.Show("Вы действительно хотите удалить выбранную запись?", "Удаление роли", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (DialogResult.Yes == result)

{

Check\_Role\_Using();

if (flag\_role == true)

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"DELETE FROM role WHERE RoleID = " + id\_role + ";";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

MessageBox.Show("Запись успешно удалена.", "Удаление роли", MessageBoxButtons.OK, MessageBoxIcon.Information);

bDel\_Role.Enabled = false;

bEdit\_Role.Enabled = false;

tbRole.Clear();

FillRole();

CountRowsDgv();

}

else

{

MessageBox.Show("Ошибка! Данная роль используется.", "Предупреждение", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

}

}

private void bUpd\_Cat\_Click(object sender, EventArgs e)

{

if (GetCategory() != 1012)

{

MessageBox.Show("Ошибка! Такая категория уже существует.", "Добавление категории", MessageBoxButtons.OK, MessageBoxIcon.Error);

tbCat.Clear();

}

else

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("UPDATE productcategory SET Category = '{0}' WHERE idCategory = {1};", tbCat.Text, id\_cat);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

MessageBox.Show("Запись успешно отредактирована.", "Редактирование категории", MessageBoxButtons.OK, MessageBoxIcon.Information);

bDel\_Cat.Enabled = false;

bUpd\_Cat.Enabled = false;

tbCat.Clear();

FillCat();

CountRowsDgv();

}

}

private void bEdit\_Role\_Click(object sender, EventArgs e)

{

if (GetRole() != 1012)

{

MessageBox.Show("Ошибка! Такая роль уже существует.", "Добавление роли", MessageBoxButtons.OK, MessageBoxIcon.Error);

tbRole.Clear();

}

else

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("UPDATE role SET RoleName = '{0}' WHERE RoleID = {1};", tbRole.Text, id\_role);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

MessageBox.Show("Запись успешно отредактирована.", "Редактирование роли", MessageBoxButtons.OK, MessageBoxIcon.Information);

bDel\_Role.Enabled = false;

bEdit\_Role.Enabled = false;

tbRole.Clear();

FillRole();

CountRowsDgv();

}

}

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

{

if (e.KeyChar >= 'а' && e.KeyChar <= 'я' || e.KeyChar >= 'А' && e.KeyChar <= 'Я' || e.KeyChar == 8 || e.KeyChar == ' ')

{

return;

}

else

{

e.Handled = true;

}

}

private int GetCategory()

{

try

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT idCategory FROM productcategory WHERE Category ='" + tbCat.Text + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

object result = com.ExecuteScalar();

if (result != null)

{

int temp = Convert.ToInt32(result.ToString());

return temp;

}

else

{

// handle the case where the query does not return any results

return 1012;

}

}

catch

{

// handle any other exceptions that may occur

return 1012;

}

}

private int GetRole()

{

try

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT RoleID FROM role WHERE RoleName ='" + tbRole.Text + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

object result = com.ExecuteScalar();

if (result != null)

{

int temp = Convert.ToInt32(result.ToString());

return temp;

}

else

{

// handle the case where the query does not return any results

return 1012;

}

}

catch

{

// handle any other exceptions that may occur

return 1012;

}

}

private void Check\_Cat\_Using()

{

try

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT ProductName FROM product WHERE ProductCategory =" + GetCategory() + ";";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

try

{

string temp = com.ExecuteScalar().ToString();

flag\_category = false;

}

catch

{

flag\_category = true;

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void Check\_Role\_Using()

{

try

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT RoleName FROM user WHERE UserRole =" + GetRole() + ";";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

try

{

string temp = com.ExecuteScalar().ToString();

flag\_role = false;

}

catch

{

flag\_role = true;

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void CountRowsDgv()

{

label6.Text = "Количество категорий: " + dgvCat.Rows.Count;

label8.Text = "Количество ролей: " + dgvRole.Rows.Count;

label9.Text = "Количество сотрудников: " + dgvEmp.Rows.Count;

}

private void cbRole\_Fill()

{

cbRole.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM role;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

cbRole.Items.Add(reader[1].ToString());

}

connect.CloseConnect();

}

private void bAdd\_Emp\_Click(object sender, EventArgs e)

{

if (tbFirst\_name.Text == "" || tbName.Text == "" || tbMiddle\_name.Text == "" || tbLogin.Text == "" || tbPass.Text == "" || cbRole.Text == "")

{

MessageBox.Show("Ошибка! Сначала заполните все поля.", "Добавление пользователя", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

else

{

if(CheckNum() != 1012)

{

MessageBox.Show("Предупреждение! Данный логин уже используется другим сотрудником.", "Добавление пользователя", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

else

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("INSERT INTO user VALUES(null, '{0}', '{1}', '{2}', '{3}', '{4}', {5}) ;", tbFirst\_name.Text, tbName.Text, tbMiddle\_name.Text, tbLogin.Text, tbPass.Text, role\_id\_u());

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

ClearTbEmp();

FillEmp();

CountRowsDgv();

MessageBox.Show("Успешно! Запись добавлена.", "Добавление пользователя", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

}

}

public int role\_id\_u()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = "SELECT RoleID FROM role WHERE RoleName = '" + cbRole.Text + "';";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

int role\_int\_id\_u = Convert.ToInt32(com.ExecuteScalar());

connection.CloseConnect();

return role\_int\_id\_u;

}

private void bEdit\_Emp\_Click(object sender, EventArgs e)

{

if (tbFirst\_name.Text == "" || tbName.Text == "" || tbMiddle\_name.Text == "" || tbLogin.Text == "" || tbPass.Text == "" || cbRole.Text == "")

{

MessageBox.Show("Ошибка! Сначала заполните все поля.", "Добавление пользователя", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

else

{

if (CheckNumUpd() != 1012)

{

MessageBox.Show("Предупреждение! Данный логин уже используется другим сотрудником.", "Добавление пользователя ", MessageBoxButtons.OK, MessageBoxIcon.Warning);

tbLogin.Clear();

}

else

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("UPDATE user SET UserSurname = '{0}', UserName = '{1}', UserPatronymic = '{2}', UserLogin = '{3}' WHERE UserID = {4};", tbFirst\_name.Text, tbName.Text, tbMiddle\_name.Text, tbLogin.Text, id\_emp);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

ClearTbEmp();

FillEmp();

CountRowsDgv();

MessageBox.Show("Успешно! Запись отредактирована.", "Редактирование пользователя", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

}

}

private void bDel\_Emp\_Click(object sender, EventArgs e)

{

DialogResult result = MessageBox.Show("Вы действительно хотите удалить выбранную запись?", "Удаление пользователя", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (DialogResult.Yes == result)

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"DELETE FROM user WHERE UserID = " + id\_emp + ";";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

MessageBox.Show("Запись успешно удалена.", "Удаление пользователя", MessageBoxButtons.OK, MessageBoxIcon.Information);

bEdit\_Emp.Enabled = false;

bDel\_Emp.Enabled = false;

ClearTbEmp();

FillEmp();

CountRowsDgv();

}

}

private int CheckNum()

{

try

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT UserID FROM user WHERE UserLogin ='" + tbLogin.Text + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

int temp = Convert.ToInt32(com.ExecuteScalar().ToString());

return temp;

}

catch

{

return 1012;

}

}

private void dgvEmp\_CellMouseClick(object sender, DataGridViewCellMouseEventArgs e)

{

try

{

if (e.RowIndex >= 0 && e.RowIndex < dgvEmp.Rows.Count)

{

DataGridViewRow row = dgvEmp.Rows[e.RowIndex];

id\_emp = row.Cells[0].Value != null ? row.Cells[0].Value.ToString() : "";

tbFirst\_name.Text = row.Cells[1].Value != null ? row.Cells[1].Value.ToString() : "";

tbName.Text = row.Cells[2].Value != null ? row.Cells[2].Value.ToString() : "";

tbMiddle\_name.Text = row.Cells[3].Value != null ? row.Cells[3].Value.ToString() : "";

tbLogin.Text = row.Cells[4].Value != null ? row.Cells[4].Value.ToString() : "";

cbRole.Text = row.Cells[5].Value != null ? row.Cells[5].Value.ToString() : "";

bEdit\_Emp.Enabled = true;

bDel\_Emp.Enabled = true;

}

}

catch (Exception )

{

;

}

}

private void ClearTbEmp()

{

tbFirst\_name.Clear();

tbName.Clear();

tbMiddle\_name.Clear();

tbLogin.Clear();

tbPass.Clear();

cbRole.SelectedIndex = -1;

}

private int CheckNumUpd()

{

try

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT UserID FROM user WHERE UserLogin ='" + tbLogin.Text + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

int temp = Convert.ToInt32(com.ExecuteScalar().ToString());

if (temp == Convert.ToInt32(id\_emp))

{

return 1012;

}

else

{

return temp;

}

}

catch

{

return 1012;

}

}

private void label12\_Click(object sender, EventArgs e)

{

}

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

{

}

}

}

**MenuAdmin.cs** – форма меню администратора

using MySql.Data.MySqlClient;

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 BeautyGlory

{

public partial class MenuAdmin : Form

{

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

Products prod = new Products();

Guide guide = new Guide();

Special spec = new Special();

ViewOrders vieword = new ViewOrders();

public MenuAdmin()

{

InitializeComponent();

}

private void MenuAdmin\_Load(object sender, EventArgs e)

{

FillLabel();

}

public void FillLabel()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql\_query = "SELECT UserSurname, UserName, UserPatronymic FROM user WHERE UserID = @id\_user;";

MySqlCommand command = new MySqlCommand(sql\_query, connection.GetConnect());

command.Parameters.AddWithValue("@id\_user", AuthForm.id\_user);

using (MySqlDataReader reader = command.ExecuteReader())

{

if (reader.Read())

{

string first\_name = reader.GetString(0);

string name = reader.GetString(1);

string middle\_name = reader.GetString(2);

lFIO.Text = string.Format("{0} {1}. {2}.", first\_name, name[0], middle\_name[0]);

}

}

connection.CloseConnect();

}

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

{

DialogResult result = MessageBox.Show("Вы действительно хотите выйти из учетной записи?", "Выход", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (result == DialogResult.Yes)

{

this.Close();

}

}

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

{

this.Visible = false;

prod.ShowDialog();

this.Visible = true;

}

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

{

this.Visible = false;

guide.ShowDialog();

this.Visible = true;

}

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

{

this.Visible = false;

spec.ShowDialog();

this.Visible = true;

}

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

{

this.Visible = false;

vieword.ShowDialog();

this.Visible = true;

}

}

}

**MenuManager.cs** – форма меню менеджера

using MySql.Data.MySqlClient;

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 BeautyGlory

{

public partial class MenuManager : Form

{

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

ViewProduct viewprod = new ViewProduct();

NewOrder neworder = new NewOrder();

ViewOrders vieword = new ViewOrders();

public MenuManager()

{

InitializeComponent();

}

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

{

DialogResult result = MessageBox.Show("Вы действительно хотите выйти из учетной записи?", "Выход", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (result == DialogResult.Yes)

{

this.Close();

}

}

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

{

this.Visible = false;

viewprod.ShowDialog();

this.Visible = true;

}

private void MenuManager\_Load(object sender, EventArgs e)

{

FillLabel();

}

public void FillLabel()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql\_first\_name = "SELECT UserSurname FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com1 = new MySqlCommand(sql\_first\_name, connection.GetConnect());

string first\_name = com1.ExecuteScalar().ToString();

string sql\_name = "SELECT UserName FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com2 = new MySqlCommand(sql\_name, connection.GetConnect());

string name = com2.ExecuteScalar().ToString();

string sql\_middle\_name = "SELECT UserPatronymic FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com3 = new MySqlCommand(sql\_middle\_name, connection.GetConnect());

string middle\_name = com3.ExecuteScalar().ToString();

connection.CloseConnect();

lFIO.Text = "";

lFIO.Text = first\_name + " " + name[0] + ". " + middle\_name[0] + ". ";

}

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

{

this.Visible = false;

neworder.ShowDialog();

this.Visible = true;

}

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

{

this.Visible = false;

vieword.ShowDialog();

this.Visible = true;

}

}

}

**MenuUser.cs** – форма меню пользователя

using MySql.Data.MySqlClient;

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 BeautyGlory

{

public partial class MenuUser : Form

{

Products prod = new Products();

ViewProduct vprod = new ViewProduct();

NewOrder neword = new NewOrder();

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

public MenuUser()

{

InitializeComponent();

}

private void MenuUser\_Load(object sender, EventArgs e)

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql\_first\_name = "SELECT UserSurname FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com1 = new MySqlCommand(sql\_first\_name, connection.GetConnect());

string first\_name = com1.ExecuteScalar().ToString();

string sql\_name = "SELECT UserName FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com2 = new MySqlCommand(sql\_name, connection.GetConnect());

string name = com2.ExecuteScalar().ToString();

string sql\_middle\_name = "SELECT UserPatronymic FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com3 = new MySqlCommand(sql\_middle\_name, connection.GetConnect());

string middle\_name = com3.ExecuteScalar().ToString();

string sql\_role = "SELECT RoleName FROM role WHERE RoleID = " + AuthForm.role\_user + ";";

MySqlCommand com\_role = new MySqlCommand(sql\_role, connection.GetConnect());

lRole.Text = com\_role.ExecuteScalar().ToString();

connection.CloseConnect();

lFIO.Text = "";

lFIO.Text = first\_name + " " + name + " " + middle\_name + " ";

}

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

{

this.Close();

}

private void button1\_Click(object sender, EventArgs e)

{

if (AuthForm.role\_user == 3)

{

this.Visible = false;

prod.ShowDialog();

this.Visible = true;

}

else

{

this.Visible = false;

vprod.ShowDialog();

this.Visible = true;

}

}

private void pictureBox1\_Click(object sender, EventArgs e)

{

}

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

{

this.Visible = false;

neword.ShowDialog();

this.Visible = true;

}

}

}

**NewOrder.cs** – форма заказа товара

using MySql.Data.MySqlClient;

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 BeautyGlory

{

public partial class NewOrder : Form

{

private string cellErrorText;

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

OrderView orderview = new OrderView();

string id\_prod = "";

string id\_cart = "";

string id\_prod\_cart = "";

public static string[] art\_global;

public static string[] quan\_global;

public static string[] price\_global;

public static int N\_global;

public NewOrder()

{

InitializeComponent();

}

private void NewOrder\_Load(object sender, EventArgs e)

{

#region FIO

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql\_first\_name = "SELECT UserSurname FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com1 = new MySqlCommand(sql\_first\_name, connection.GetConnect());

string first\_name = com1.ExecuteScalar().ToString();

string sql\_name = "SELECT UserName FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com2 = new MySqlCommand(sql\_name, connection.GetConnect());

string name = com2.ExecuteScalar().ToString();

string sql\_middle\_name = "SELECT UserPatronymic FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com3 = new MySqlCommand(sql\_middle\_name, connection.GetConnect());

string middle\_name = com3.ExecuteScalar().ToString();

connection.CloseConnect();

lFIO.Text = first\_name + " " + name + " " + middle\_name + " ";

#endregion

lDate.Text = DateTime.Now.ToString("dd.MM.yyyy");

bAdd.Enabled = false;

bDel.Enabled = false;

CartFill();

labelFill();

}

public void CartFill()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT idCart AS 'ИД', idUser AS 'useer', idProduct AS 'Артикул',

NameProduct AS 'Название', Quantity AS 'Количество', Price AS 'Цена' FROM cart WHERE idUser = " + AuthForm.id\_user + ";";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvCart.DataSource = dt;

dgvCart.Columns[0].Visible = false;

dgvCart.Columns[1].Visible = false;

connection.CloseConnect();

}

public static string Count()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT SUM(Quantity) FROM cart WHERE idUser = " + AuthForm.id\_user + ";";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

string count = com.ExecuteScalar().ToString();

connection.CloseConnect();

return count;

}

public static string Price()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT SUM(Quantity \* Price) FROM cart WHERE idUser = " + AuthForm.id\_user + ";";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

string price = com.ExecuteScalar().ToString();

connection.CloseConnect();

return price;

}

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

{

try

{

if (CheckQun() == 1)

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

MySqlTransaction trans = connection.GetConnect().BeginTransaction();

string sql1 = String.Format("UPDATE cart SET Quantity = (Quantity + {0}) WHERE idProduct = '{1}' AND idUser = {2};", tbCount.Text, id\_prod\_cart, AuthForm.id\_user);

MySqlCommand com1 = new MySqlCommand(sql1, connection.GetConnect());

com1.Transaction = trans;

string sql2 = String.Format("UPDATE product SET ProductQuantityInStock = (ProductQuantityInStock - {0}) WHERE ProductArticleNumber = '{1}';", tbCount.Text, id\_prod\_cart);

MySqlCommand com2 = new MySqlCommand(sql2, connection.GetConnect());

com2.Transaction = trans;

try

{

com1.ExecuteNonQuery();

com2.ExecuteNonQuery();

trans.Commit();

CartFill();

labelFill();

tbCount.Value = 1;

bDel.Enabled = false;

bAdd.Enabled = false;

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

trans.Rollback();

}

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

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

{

this.Close();

}

private bool CheckCartTovar()

{

try

{

bool flag = false;

string count = "";

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT quantity FROM cart WHERE id\_user = " + AuthForm.id\_user + " AND article = " + id\_prod + ";";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

try

{

count = com.ExecuteScalar().ToString();

flag = false;

}

catch

{

flag = true;

return flag;

}

return flag;

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

return false;

}

}

private void labelFill()

{

if (dgvCart.Rows.Count == 0)

{

lCount.Text = "";

lPrice.Text = "";

}

else

{

lCount.Text = Count() + " шт.";

lPrice.Text = Price() + " руб.";

}

}

private int CartAmount()

{

int ecx = 0;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("SELECT quantity FROM cart WHERE article = {0} AND id\_user = {1};", id\_prod, AuthForm.id\_user);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

ecx = Convert.ToInt32(com.ExecuteScalar().ToString());

connection.CloseConnect();

return ecx;

}

private int ProdAmount()

{

int ecx = 0;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("SELECT quantity FROM products WHERE article = {0};", id\_prod);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

ecx = Convert.ToInt32(com.ExecuteScalar().ToString());

connection.CloseConnect();

return ecx;

}

private int ProdAmountCart()

{

int ecx = 0;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("SELECT quantity FROM products WHERE article = {0};", id\_prod\_cart);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

ecx = Convert.ToInt32(com.ExecuteScalar().ToString());

connection.CloseConnect();

return ecx;

}

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

{

if (dgvCart.Rows.Count == 0)

{

MessageBox.Show("Корзина пустая!", "Информация", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

else

{

int ecx = Convert.ToInt32(dgvCart.CurrentRow.Cells[4].Value) - Convert.ToInt32(tbCount.Value);

if (ecx < 0)

{

MessageBox.Show("В корзине нет столько товара!", "Информация", MessageBoxButtons.OK, MessageBoxIcon.Warning);

tbCount.Value = 1;

}

else

{

//int pRow = dgvCart.CurrentCell.RowIndex;

//int pColumn = dgvCart.CurrentCell.ColumnIndex;

//dgvCart.CurrentCell = dgvCart[pColumn, pRow];

if (ecx == 0)

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

MySqlTransaction trans = connection.GetConnect().BeginTransaction();

string sql1 = String.Format("DELETE FROM cart WHERE idCart = {0};", id\_cart);

MySqlCommand com1 = new MySqlCommand(sql1, connection.GetConnect());

com1.Transaction = trans;

string sql2 = String.Format("UPDATE product SET ProductQuantityInStock = (ProductQuantityInStock + {0}) WHERE ProductArticleNumber = '{1}';", tbCount.Text, id\_prod\_cart);

MySqlCommand com2 = new MySqlCommand(sql2, connection.GetConnect());

com2.Transaction = trans;

try

{

com1.ExecuteNonQuery();

com2.ExecuteNonQuery();

trans.Commit();

CartFill();

labelFill();

tbCount.Value = 1;

bDel.Enabled = false;

bAdd.Enabled = false;

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

trans.Rollback();

}

}

else

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

MySqlTransaction trans = connection.GetConnect().BeginTransaction();

string sql1 = String.Format("UPDATE cart SET Quantity = (Quantity - {0}) WHERE idProduct = '{1}' AND idUser = {2};", tbCount.Text, id\_prod\_cart, AuthForm.id\_user);

MySqlCommand com1 = new MySqlCommand(sql1, connection.GetConnect());

com1.Transaction = trans;

string sql2 = String.Format("UPDATE product SET ProductQuantityInStock = (ProductQuantityInStock + {0}) WHERE ProductArticleNumber = '{1}';", tbCount.Text, id\_prod\_cart);

MySqlCommand com2 = new MySqlCommand(sql2, connection.GetConnect());

com2.Transaction = trans;

try

{

com1.ExecuteNonQuery();

com2.ExecuteNonQuery();

trans.Commit();

CartFill();

labelFill();

tbCount.Value = 1;

bDel.Enabled = false;

bAdd.Enabled = false;

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

trans.Rollback();

}

}

}

}

}

private void dgvCart\_CellMouseClick(object sender, DataGridViewCellMouseEventArgs e)

{

try

{

id\_cart = dgvCart.Rows[e.RowIndex].Cells[0].Value.ToString();

bDel.Enabled = true;

bAdd.Enabled = true;

id\_prod\_cart = dgvCart.Rows[e.RowIndex].Cells[2].Value.ToString();

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

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

{

if (dgvCart.Rows.Count == 0)

{

MessageBox.Show("Корзина пустая!", "Информация", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

else

{

DialogResult dg = MessageBox.Show("Вы действительно хотите полностью очистить корзину?", "Корзина", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (dg == DialogResult.Yes)

{

try

{

DelAll();

CartFill();

labelFill();

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

}

}

private void DelAll()

{

#region GetCount

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("SELECT COUNT(\*) FROM cart WHERE idUser = {0};", AuthForm.id\_user);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

int N = Convert.ToInt32(com.ExecuteScalar());

#endregion

int[] vIdCart = new int[N];

string art = "";

int quan = 0;

int quan\_prod = 0;

int ecx = 0;

string sql\_id = "SELECT idCart FROM cart WHERE idUser = " + AuthForm.id\_user;

MySqlCommand com\_id = new MySqlCommand(sql\_id, connection.GetConnect());

MySqlDataReader reader\_id = com\_id.ExecuteReader();

while (reader\_id.Read())

{

vIdCart[ecx] = Convert.ToInt32(reader\_id[0].ToString());

ecx++;

}

connection.CloseConnect();

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

{

connection.OpenConnect();

string sql\_upd = "SELECT Quantity, idProduct FROM cart WHERE idCart = " + vIdCart[i];

MySqlCommand com\_upd = new MySqlCommand(sql\_upd, connection.GetConnect());

MySqlDataReader reader = com\_upd.ExecuteReader();

while (reader.Read())

{

quan = Convert.ToInt32(reader[0].ToString());

art = reader[1].ToString();

}

connection.CloseConnect();

connection.OpenConnect();

string sql\_prod = String.Format("SELECT ProductQuantityInStock FROM product WHERE ProductArticleNumber = '{0}';", art);

MySqlCommand com\_prod = new MySqlCommand(sql\_prod, connection.GetConnect());

quan\_prod = Convert.ToInt32(com\_prod.ExecuteScalar().ToString());

string sql\_prod\_upd = String.Format("UPDATE product SET ProductQuantityInStock = {0} WHERE ProductArticleNumber = '{1}';", quan + quan\_prod, art);

MySqlCommand com\_prod\_upd = new MySqlCommand(sql\_prod\_upd, connection.GetConnect());

com\_prod\_upd.ExecuteNonQuery();

string sql\_del = "DELETE FROM cart WHERE idCart = " + vIdCart[i];

MySqlCommand com\_del = new MySqlCommand(sql\_del, connection.GetConnect());

com\_del.ExecuteNonQuery();

connection.CloseConnect();

}

MessageBox.Show("Успешно! Теперь корзина пустая.", "Информация", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

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

{

if (dgvCart.Rows.Count == 0)

{

MessageBox.Show("В корзине нет ни одного товара! Для оформления заказа добавьте хотя бы 1 товар в корзину.", "Информация", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

else

{

orderview.ShowDialog();

CartFill();

labelFill();

}

}

private int CheckQun()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = "SELECT ProductQuantityInStock FROM product WHERE ProductArticleNumber = '" + id\_prod\_cart + "';";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

int n = Convert.ToInt32(com.ExecuteScalar().ToString());

if (n < Convert.ToInt32(tbCount.Text))

{

MessageBox.Show("На складе не достаточно товара. Остаток товара: " + n, "Корзина", MessageBoxButtons.OK, MessageBoxIcon.Warning);

tbCount.Value = 1;

return 0;

}

else

{

return 1;

}

}

public void AddProductOrder()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = "SELECT MAX(OrderID) FROM orderproduct;";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

int num = Convert.ToInt32(com.ExecuteScalar()) + 1;

string sql2 = "SELECT COUNT(\*) FROM cart WHERE idUser = " + AuthForm.id\_user + ";";

MySqlCommand com2 = new MySqlCommand(sql2, connection.GetConnect());

int N = Convert.ToInt32(com2.ExecuteScalar());

N\_global = N;

string[] art = new string[N];

string[] count = new string[N];

string[] price = new string[N];

int i = 0;

string sql3 = "SELECT idProduct, Quantity, Price FROM cart WHERE idUser = " + AuthForm.id\_user + ";";

MySqlCommand com3 = new MySqlCommand(sql3, connection.GetConnect());

MySqlDataReader reader = com3.ExecuteReader();

while (reader.Read())

{

art[i] = reader[0].ToString();

count[i] = reader[1].ToString();

price[i] = reader[2].ToString();

i++;

}

art\_global = art;

quan\_global = count;

price\_global = price;

//Array.Copy(art, art\_global, N);

//Array.Copy(count, quan\_global, N);

//Array.Copy(price, price\_global, N);

connection.CloseConnect();

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

{

connection.OpenConnect();

string sql4 = String.Format("INSERT INTO orderproduct VALUES({0}, '{1}', {2});", num, art[j], count[j]);

MySqlCommand com4 = new MySqlCommand(sql4, connection.GetConnect());

com4.ExecuteNonQuery();

connection.CloseConnect();

}

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

{

connection.OpenConnect();

string sql4 = String.Format("DELETE FROM cart WHERE idUser = {0} AND idProduct = '{1}';", AuthForm.id\_user, art[j]);

MySqlCommand com4 = new MySqlCommand(sql4, connection.GetConnect());

com4.ExecuteNonQuery();

connection.CloseConnect();

}

bOrder.Enabled = false;

}

}

}

**OrderView.cs** – форма оформления заказа

using MySql.Data.MySqlClient;

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.IO;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using Word = Microsoft.Office.Interop.Word;

namespace BeautyGlory

{

public partial class OrderView : Form

{

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

private readonly string FileName = Directory.GetCurrentDirectory() + @"\check.docx";

int num\_order;

public bool flagorder = false;

public OrderView()

{

InitializeComponent();

bAddOrder.Enabled = false;

}

private void OrderView\_Load(object sender, EventArgs e)

{

#region FIO

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql\_first\_name = "SELECT UserSurname FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com1 = new MySqlCommand(sql\_first\_name, connection.GetConnect());

string first\_name = com1.ExecuteScalar().ToString();

string sql\_name = "SELECT UserName FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com2 = new MySqlCommand(sql\_name, connection.GetConnect());

string name = com2.ExecuteScalar().ToString();

string sql\_middle\_name = "SELECT UserPatronymic FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com3 = new MySqlCommand(sql\_middle\_name, connection.GetConnect());

string middle\_name = com3.ExecuteScalar().ToString();

connection.CloseConnect();

lFIO.Text = first\_name + " " + name + " " + middle\_name + " ";

#endregion

lDate.Text = DateTime.Now.ToString("dd.MM.yyyy");

FillLabels();

}

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

{

this.Close();

}

private void FillLabels()

{

#region cmPPFill

cmPP.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM `orderpickuppoint`;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

cmPP.Items.Add(reader[1].ToString() + reader[2].ToString());

}

connect.CloseConnect();

#endregion

#region NumOrder

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql2 = @"SELECT MAX(OrderID) FROM orderproduct;";

MySqlCommand com2 = new MySqlCommand(sql2, connection.GetConnect());

string num = com2.ExecuteScalar().ToString();

connection.CloseConnect();

if (num == "")

{

num\_order = 1;

}

else

{

num\_order = Convert.ToInt32(num) + 1;

}

#endregion

groupBox1.Text = "Заказ № " + num\_order;

lDateD.Text = DateTime.Now.AddDays(5).ToString("dd.MM.yyyy");

lPrice.Text = "Итоговая стоимость: " + NewOrder.Price() + " руб.";

lCount.Text = "Количество товара: " + NewOrder.Count() + " шт.";

}

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

{

try

{

DialogResult dg = MessageBox.Show("Вы действительно хотите оформить заказ номер - " + num\_order + "?", "Оформление заказа", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (dg == DialogResult.Yes)

{

flagorder = true;

NewOrder fillorder = new NewOrder();

fillorder.AddProductOrder();

string date = DateTime.Now.ToString("yyyy-MM-dd");

string dated = DateTime.Now.AddDays(5).ToString("yyyy-MM-dd");

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("INSERT INTO `order` VALUES(null, {0}, {1}, '{2}', {3}, '{4}', {5}, 1);", num\_order, GetCode(), dated, GetPP(), date, AuthForm.id\_user);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MessageBox.Show("Успешно заказ оформлен!\nКод для получения заказа: " + Convert.ToString(GetCode() - 1) + "\nЗаказ будет доставлен - " + DateTime.Now.AddDays(5).ToString("dd.MM.yyyy г.") + "\nПо адресу: " + cmPP.Text, "Оформление заказа", MessageBoxButtons.OK, MessageBoxIcon.Information);

DialogResult result = MessageBox.Show("Желаете распечатать чек? Для заказа №" + num\_order + "?", "Оформление заказа", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (DialogResult.Yes == result)

{

CheckPrint();

this.Close();

}

else

{

this.Close();

}

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void CheckPrint()

{

try

{

#region Word

var wordApp = new Word.Application();

wordApp.Visible = false;

var wordd = wordApp.Documents.Open(FileName);

ReplaceWordStub("{num}", num\_order.ToString(), wordd);

ReplaceWordStub("{date}", DateTime.Now.ToString("dd.MM.yyyy"), wordd);

ReplaceWordStub("{date\_d}", DateTime.Now.AddDays(5).ToString("dd.MM.yyyy"), wordd);

for (int i = 0; i < NewOrder.N\_global; i++)

{

wordd.Bookmarks["info"].Range.Text = NewOrder.art\_global[i] + "; " + NewOrder.quan\_global[i] + "; " + NewOrder.price\_global[i] + "\n";

}

#region FIO

string FIO = "";

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = "SELECT UserSurname, UserName, UserPatronymic FROM user WHERE UserID = " + AuthForm.id\_user + ";";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

FIO = reader[0].ToString() + " " + reader[1].ToString() + " " + reader[2].ToString();

}

#endregion

string[] sum\_itog = lPrice.Text.Split(' ');

string[] count\_itog = lCount.Text.Split(' ');

ReplaceWordStub("{sum\_itog}", sum\_itog[2], wordd);

ReplaceWordStub("{count\_itog}", count\_itog[2], wordd);

ReplaceWordStub("{address}", cmPP.Text, wordd);

ReplaceWordStub("{code}", Convert.ToString(GetCode() - 1), wordd);

ReplaceWordStub("{FIO}", FIO, wordd);

wordApp.Visible = true;

#endregion

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void ReplaceWordStub(string stubToReplace, string text, Word.Document wordDocument)

{

var range = wordDocument.Content;

range.Find.ClearFormatting();

range.Find.Execute(FindText: stubToReplace, ReplaceWith: text);

}

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

{

if (cmPP.SelectedIndex > -1)

{

bAddOrder.Enabled = true;

}

}

private int GetCode()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql2 = @"SELECT MAX(OrderCode) FROM `order`;";

MySqlCommand com2 = new MySqlCommand(sql2, connection.GetConnect());

int code = Convert.ToInt32(com2.ExecuteScalar()) + 1;

connection.CloseConnect();

return code;

}

private int GetPP()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql2 = @"SELECT idPickupPoint FROM `orderpickuppoint` WHERE PostCode = '" + cmPP.Text + "';";

MySqlCommand com2 = new MySqlCommand(sql2, connection.GetConnect());

int idpp = Convert.ToInt32(com2.ExecuteScalar());

connection.CloseConnect();

return idpp;

}

}

}

**Products.cs** – форма просмотра продуктов

using MySql.Data.MySqlClient;

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.IO;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace BeautyGlory

{

public partial class Products : Form

{

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

string id = "";

bool flag\_product = false;

string art = "";

public Products()

{

InitializeComponent();

}

private void Products\_Load(object sender, EventArgs e)

{

ProductFill();

Count();

cmCat\_Fill();

cmMan\_Fill();

cmSup\_Fill();

cmUnit\_Fill();

bEdit.Enabled = false;

bDel.Enabled = false;

pbPhoto.ImageLocation = "Photo/picture.png";

}

private void ProductFillNew()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format(@"SELECT product.ProductArticleNumber AS 'Артикул',

product.ProductName AS 'Название', product.ProductDescription AS 'Описание',

product.ProductCost AS 'Цена', productcategory.Category AS 'Категория',

productmanufacturer.Manufacturer AS 'Производитель', productsupplier.Supplier AS 'Поставщик',

product.ProductQuantityInStock AS 'Количество', productunit.unit AS 'Ед.измерения',

product.ProductDiscountAmount AS 'Действующая скидка', ProductMaxDiscount AS 'Максимальная скидка',

product.ProductPhoto AS 'Изображение' FROM product INNER JOIN productmanufacturer ON product.ProductManufacturer = productmanufacturer.idManufacturer

INNER JOIN productsupplier ON product.ProductSupplier = productsupplier.idSupplier INNER JOIN productunit ON product.ProductUnit = productunit.idUnit

INNER JOIN productcategory ON product.ProductCategory = productcategory.idCategory

ORDER BY CASE WHEN ProductArticleNumber = '{0}' THEN 0 ELSE 1 END, ProductArticleNumber;", art);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvProduct.DataSource = dt;

dgvProduct.Columns[2].Visible = false;

dgvProduct.Columns[8].Visible = false;

dgvProduct.Columns[10].Visible = false;

dgvProduct.Columns[11].Visible = false;

connection.CloseConnect();

FillCell();

}

public void ProductFill()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT product.ProductArticleNumber AS 'Артикул',

product.ProductName AS 'Название', product.ProductDescription AS 'Описание',

product.ProductCost AS 'Цена', productcategory.Category AS 'Категория',

productmanufacturer.Manufacturer AS 'Производитель', productsupplier.Supplier AS 'Поставщик',

product.ProductQuantityInStock AS 'Количество', productunit.unit AS 'Ед.измерения',

product.ProductDiscountAmount AS 'Действующая скидка', ProductMaxDiscount AS 'Максимальная скидка',

product.ProductPhoto AS 'Изображение' FROM product INNER JOIN productmanufacturer ON product.ProductManufacturer = productmanufacturer.idManufacturer

INNER JOIN productsupplier ON product.ProductSupplier = productsupplier.idSupplier INNER JOIN productunit ON product.ProductUnit = productunit.idUnit

INNER JOIN productcategory ON product.ProductCategory = productcategory.idCategory;";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvProduct.DataSource = dt;

dgvProduct.Columns[2].Visible = false;

dgvProduct.Columns[8].Visible = false;

dgvProduct.Columns[10].Visible = false;

dgvProduct.Columns[11].Visible = false;

connection.CloseConnect();

FillCell();

}

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

{

ClearInfo();

this.Close();

}

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

{

try

{

if (tbName.Text == "" || tbDesc.Text == "" || cmMan.Text == "" || tbPrice.Text == "" || tbQuantly.Text == "" || cmCategory.Text == "" || tbPhoto.Text == "" || tbDiscMax.Text == "" || tbDisc.Text == "" || cmUnit.Text == "" || cmSupplier.Text == "")

{

MessageBox.Show("Ошибка! Сначала заполните все поля!", "Добавление", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

if (Convert.ToInt32(tbDiscMax.Text) < Convert.ToInt32(tbDisc.Text))

{

MessageBox.Show("Ошибка! Максимальная скидка не должна быть меньше действующей!", "Добавление", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

else

{

CheckProduct();

if (flag\_product == false)

{

MessageBox.Show("Ошибка! Такой товар уже заведен на складе.", "Добавление", MessageBoxButtons.OK, MessageBoxIcon.Error);

ClearInfo();

}

else

{

#region genart

string abc = "QWERTYUIOPASDFGHJKLZXCVBNM";

Random rnd = new Random();

art = "";

for (int i = 0; i < 6; i++)

{

if (i == 0 || i == 4)

{

art += abc[rnd.Next(1, abc.Length)];

}

else

{

art += rnd.Next(0, 9);

}

}

#endregion

int cat = get\_cmCat();

int man = get\_cmMan();

int sup = get\_cmSup();

int unit = get\_cmUnit();

string name = tbName.Text;

string desc = tbDesc.Text;

string price = tbPrice.Text.Replace(",", ".");

string quan = tbQuantly.Text;

string mdisc = tbDiscMax.Text;

string disc = tbDisc.Text;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format(@"INSERT INTO `product` VALUES ('{0}', '{1}', '{2}', {3}, '{4}', {5}, {6}, {7}, {8}, {9}, {10}, {11});", art, name, desc, cat, tbPhoto.Text, man, price, disc, quan, unit, sup, mdisc);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

MessageBox.Show("Успешно! Запись добавлена.", "Добавление", MessageBoxButtons.OK, MessageBoxIcon.Information);

ClearInfo();

ProductFillNew();

Count();

}

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void Count()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT COUNT(\*) FROM product;";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

int count\_db = Convert.ToInt32(com.ExecuteScalar());

connection.CloseConnect();

int count\_dgv = dgvProduct.Rows.Count;

lCount.Text = String.Format("Количество записей: {0} из {1}", count\_dgv, count\_db);

}

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

{

DialogResult result = MessageBox.Show("Вы действительно хотите удалить выбранную запись?", "Удаление", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (DialogResult.Yes == result)

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"DELETE FROM product WHERE ProductArticleNumber = '" + id + "';";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

MessageBox.Show("Запись успешно удалена.", "Удаление", MessageBoxButtons.OK, MessageBoxIcon.Information);

ClearInfo();

ProductFill();

Count();

}

}

public void ClearInfo()

{

tbDisc.Clear();

tbDiscMax.Clear();

cmUnit.SelectedIndex = -1;

tbName.Clear();

tbDesc.Clear();

cmMan.SelectedIndex = -1;

tbPrice.Clear();

tbQuantly.Clear();

tbPhoto.Clear();

cmCategory.SelectedIndex = -1;

cmSupplier.SelectedIndex = -1;

pbPhoto.ImageLocation = "Photo/picture.png";

}

private void dgvProduct\_CellMouseClick(object sender, DataGridViewCellMouseEventArgs e)

{

try

{

bDel.Enabled = true;

bEdit.Enabled = true;

id = dgvProduct.Rows[e.RowIndex].Cells[0].Value.ToString();

art = dgvProduct.Rows[e.RowIndex].Cells[0].Value.ToString();

tbName.Text = dgvProduct.Rows[e.RowIndex].Cells[1].Value.ToString();

tbDesc.Text = dgvProduct.Rows[e.RowIndex].Cells[2].Value.ToString();

tbPrice.Text = dgvProduct.Rows[e.RowIndex].Cells[3].Value.ToString();

cmMan.Text = dgvProduct.Rows[e.RowIndex].Cells[5].Value.ToString();

cmCategory.Text = dgvProduct.Rows[e.RowIndex].Cells[4].Value.ToString();

cmSupplier.Text = dgvProduct.Rows[e.RowIndex].Cells[6].Value.ToString();

tbQuantly.Text = dgvProduct.Rows[e.RowIndex].Cells[7].Value.ToString();

tbPhoto.Text = dgvProduct.Rows[e.RowIndex].Cells[11].Value.ToString();

cmUnit.Text = dgvProduct.Rows[e.RowIndex].Cells[8].Value.ToString();

tbDisc.Text = dgvProduct.Rows[e.RowIndex].Cells[9].Value.ToString();

tbDiscMax.Text = dgvProduct.Rows[e.RowIndex].Cells[10].Value.ToString();

pbPhoto.ImageLocation = "Photo/" + Convert.ToString(dgvProduct.Rows[e.RowIndex].Cells[11].Value.ToString());

}

catch (Exception)

{

;

}

}

private void cmCat\_Fill()

{

cmCategory.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM ProductCategory;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

cmCategory.Items.Add(reader[1].ToString());

}

connect.CloseConnect();

}

private void cmUnit\_Fill()

{

cmUnit.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM ProductUnit;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

cmUnit.Items.Add(reader[1].ToString());

}

connect.CloseConnect();

}

private void cmMan\_Fill()

{

cmMan.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM ProductManufacturer;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

cmMan.Items.Add(reader[1].ToString());

}

connect.CloseConnect();

}

private void cmSup\_Fill()

{

cmSupplier.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM ProductSupplier;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

cmSupplier.Items.Add(reader[1].ToString());

}

connect.CloseConnect();

}

public int get\_cmCat()

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT idCategory FROM productcategory WHERE Category = '" + cmCategory.Text + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

int id = Convert.ToInt32(com.ExecuteScalar());

connect.CloseConnect();

return id;

}

public int get\_cmMan()

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT idManufacturer FROM productmanufacturer WHERE Manufacturer = '" + cmMan.Text + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

int id = Convert.ToInt32(com.ExecuteScalar());

connect.CloseConnect();

return id;

}

public int get\_cmSup()

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT idSupplier FROM productsupplier WHERE Supplier = '" + cmSupplier.Text + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

int id = Convert.ToInt32(com.ExecuteScalar());

connect.CloseConnect();

return id;

}

public int get\_cmUnit()

{

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT idUnit FROM productunit WHERE Unit = '" + cmUnit.Text + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

int id = Convert.ToInt32(com.ExecuteScalar());

connect.CloseConnect();

return id;

}

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

{

if (tbName.Text == "" || tbDesc.Text == "" || cmMan.Text == "" || tbPrice.Text == "" || tbQuantly.Text == "" || cmCategory.Text == "" || tbPhoto.Text == "" || tbDiscMax.Text == "" || tbDisc.Text == "" || cmUnit.Text == "" || cmSupplier.Text == "")

{

MessageBox.Show("Ошибка! Сначала заполните все поля!", "Редактирование", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

if (Convert.ToInt32(tbDiscMax.Text) < Convert.ToInt32(tbDisc.Text))

{

MessageBox.Show("Ошибка! Максимальная скидка не должна быть меньше действующей!", "Добавление", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

else

{

int cat = get\_cmCat();

int man = get\_cmMan();

int sup = get\_cmSup();

int unit = get\_cmUnit();

string name = tbName.Text;

string desc = tbDesc.Text;

string price = tbPrice.Text.Replace(",", ".");

string quan = tbQuantly.Text;

string mdisc = tbDiscMax.Text;

string disc = tbDisc.Text;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format(@"UPDATE `product` SET ProductName = '{0}', ProductDescription = '{1}', ProductCategory = {2}, ProductPhoto = '{3}', ProductManufacturer = {4}, ProductCost = {5}, ProductDiscountAmount = {6}, ProductQuantityInStock = {7}, ProductUnit = {8}, ProductSupplier = {9}, ProductMaxDiscount = {10} WHERE ProductArticleNumber = '{11}';", name, desc, cat, tbPhoto.Text, man, price, disc, quan, unit, sup, mdisc, id);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

MessageBox.Show("Успешно! Запись обновлена.", "Редактирование", MessageBoxButtons.OK, MessageBoxIcon.Information);

ClearInfo();

ProductFillNew();

Count();

}

}

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

{

try

{

using (OpenFileDialog upload = new OpenFileDialog())

{

upload.Filter = ".jpg, .png, .jpeg|\*.jpg;\*.png;\*.jpeg";

if (upload.ShowDialog() != DialogResult.OK)

{

return;

}

string path1 = upload.FileName;

string Filename = System.IO.Path.GetFileName(path1);

string path2 = Environment.CurrentDirectory + "\\Photo\\" + Filename;

File.Copy(path1, path2, true);

tbPhoto.Text = Filename;

pbPhoto.ImageLocation = Environment.CurrentDirectory + "\\Photo\\" + Filename;

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

public void CheckProduct()

{

try

{

string name = tbName.Text;

string temp = "";

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT ProductArticleNumber FROM product WHERE ProductName ='" + name + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

try

{

temp = com.ExecuteScalar().ToString();

flag\_product = false;

}

catch

{

flag\_product = true;

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

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

{

if (e.KeyChar >= 'a' && e.KeyChar <= 'z' || e.KeyChar >= 'A' && e.KeyChar <= 'Z' || e.KeyChar >= 'а' && e.KeyChar <= 'я' || e.KeyChar >= 'А' && e.KeyChar <= 'Я' || e.KeyChar == 8 || e.KeyChar == ' ')

{

return;

}

else

{

e.Handled = true;

}

}

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

{

if (e.KeyChar >= 'a' && e.KeyChar <= 'z' || e.KeyChar >= 'A' && e.KeyChar <= 'Z' || e.KeyChar >= 'а' && e.KeyChar <= 'я' || e.KeyChar >= 'А' && e.KeyChar <= 'Я' || e.KeyChar == 8 || e.KeyChar == ' ')

{

return;

}

else

{

e.Handled = true;

}

}

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

{

if (e.KeyChar >= '0' && e.KeyChar <= '9' || e.KeyChar == 8 || e.KeyChar == ' ' || e.KeyChar == ',')

{

return;

}

else

{

e.Handled = true;

}

}

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

{

if (e.KeyChar >= '0' && e.KeyChar <= '9' || e.KeyChar == 8 || e.KeyChar == ' ')

{

return;

}

else

{

e.Handled = true;

}

}

private void FillCell()

{

for (int i = 0; i < dgvProduct.Rows.Count; i++)

{

if (Convert.ToInt32(dgvProduct.Rows[i].Cells[7].Value) == 0)

{

dgvProduct.Rows[i].Cells[7].Style.BackColor = Color.IndianRed;

}

}

}

private void tbDiscMax\_TextChanged(object sender, EventArgs e)

{

try

{

if (Convert.ToInt32(tbDiscMax.Text) > 100 && tbDiscMax.Text.Length > 1)

{

tbDiscMax.Text = "100";

}

}

catch

{

}

}

private void tbDisc\_TextChanged(object sender, EventArgs e)

{

try

{

if (Convert.ToInt32(tbDisc.Text) > 100 && tbDisc.Text.Length > 1)

{

tbDisc.Text = "100";

}

}

catch

{

}

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

if (tbFind.Text.Length > 2)

{

//cmFiltr.Enabled = false;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT product.ProductArticleNumber AS 'Артикул',

product.ProductName AS 'Название', product.ProductDescription AS 'Описание',

product.ProductCost AS 'Цена', productcategory.Category AS 'Категория',

productmanufacturer.Manufacturer AS 'Производитель', productsupplier.Supplier AS 'Поставщик',

product.ProductQuantityInStock AS 'Количество', productunit.unit AS 'Ед.измерения',

product.ProductDiscountAmount AS 'Действующая скидка', ProductMaxDiscount AS 'Максимальная скидка',

product.ProductPhoto AS 'Изображение' FROM product INNER JOIN productmanufacturer ON product.ProductManufacturer = productmanufacturer.idManufacturer

INNER JOIN productsupplier ON product.ProductSupplier = productsupplier.idSupplier INNER JOIN productunit ON product.ProductUnit = productunit.idUnit

INNER JOIN productcategory ON product.ProductCategory = productcategory.idCategory WHERE product.ProductName LIKE '%" + tbFind.Text + "%' OR product.ProductArticleNumber LIKE '%" + tbFind.Text + "%';";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvProduct.DataSource = dt;

dgvProduct.Columns[7].Visible = false;

connection.CloseConnect();

Count();

}

else

{

//cmFiltr.Enabled = true;

ProductFill();

Count();

}

}

private void label14\_Click(object sender, EventArgs e)

{

}

private void dgvProduct\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

}

}

**Program.cs** – главный класс программы

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace BeautyGlory

{

static class Program

{

/// <summary>

/// The main entry point for the application.

/// </summary>

[STAThread]

static void Main()

{

Application.EnableVisualStyles();

Application.SetCompatibleTextRenderingDefault(false);

Application.Run(new AuthForm());

}

}

}

**Special.cs** – форма специальных возможностей

using Microsoft.Office.Interop.Word;

using MySql.Data.MySqlClient;

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 BeautyGlory

{

public partial class Special : Form

{

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

public string path\_csv = "";

public Special()

{

InitializeComponent();

}

public void Fill\_Import()

{

cmImport.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SHOW TABLES;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = null;

try

{

reader = com.ExecuteReader();

while (reader.Read())

{

cmImport.Items.Add(reader[0].ToString());

}

}

finally

{

if (reader != null)

{

reader.Close();

}

connect.CloseConnect();

}

}

public void Fill\_Export()

{

cmExport.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SHOW TABLES;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = null;

try

{

reader = com.ExecuteReader();

while (reader.Read())

{

cmExport.Items.Add(reader[0].ToString());

}

}

finally

{

if (reader != null)

{

reader.Close();

}

connect.CloseConnect();

}

}

private void Form1\_Load(object sender, EventArgs e)

{

Fill\_Export();

Fill\_Import();

}

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

{

if (this.folderBrowserDialog1.ShowDialog() == DialogResult.OK)

{

tbExport.Text = this.folderBrowserDialog1.SelectedPath;

}

}

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

{

if (tbExport.Text == "")

{

MessageBox.Show("Предупреждение! Выберите таблицу для экспорта.", "Экспорт БД", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

if (cmExport.Text == "")

{

MessageBox.Show("Предупреждение! Выберите путь для экспорта.", "Экспорт БД", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

if (cm1.Text == "")

{

MessageBox.Show("Предупреждение! Выберите разделитель для экспорта.", "Экспорт БД", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

else

{

try

{

string temp = tbExport.Text;

tbExport.Text = temp.Replace("\\", "//");

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM " + cmExport.Text + " INTO OUTFILE @file\_path FIELDS TERMINATED BY @delimiter;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

com.Parameters.AddWithValue("@file\_path", tbExport.Text + "//" + cmExport.Text + ".csv");

com.Parameters.AddWithValue("@delimiter", cm1.Text);

com.ExecuteNonQuery();

connect.CloseConnect();

cmExport.SelectedIndex = -1;

tbExport.Clear();

cm1.SelectedIndex = -1;

MessageBox.Show("Успешно! Экспорт завершен. Файл сохранен по выбранному пути.", "Экспорт БД", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

catch (Exception msg)

{

MessageBox.Show("Возникла ошибка!" + msg.Message, "Ошибка программы", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

}

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

{

using (OpenFileDialog upload = new OpenFileDialog())

{

upload.Filter = "csv Files |\*.csv";

if (upload.ShowDialog() != DialogResult.OK)

{

return;

}

path\_csv = upload.FileName;

tbImport.Text = path\_csv;

string[] temp = path\_csv.Split('.');

string[] temp2 = temp[0].Split('\\');

cmImport.Text = temp2[1];

}

}

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

{

try

{

if (string.IsNullOrEmpty(tbImport.Text))

{

MessageBox.Show("Предупреждение! Выберите файл для импорта.", "Импорт БД", MessageBoxButtons.OK, MessageBoxIcon.Warning);

return;

}

if (string.IsNullOrEmpty(cmImport.Text))

{

MessageBox.Show("Предупреждение! Выберите таблицу для импорта.", "Импорт БД", MessageBoxButtons.OK, MessageBoxIcon.Warning);

return;

}

if (string.IsNullOrEmpty(cm2.Text))

{

MessageBox.Show("Предупреждение! Выберите разделитель для импорта.", "Импорт БД", MessageBoxButtons.OK, MessageBoxIcon.Warning);

return;

}

string temp = tbImport.Text;

tbImport.Text = temp.Replace("\\", "//");

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = string.Format("LOAD DATA INFILE '{0}' IGNORE INTO TABLE {1} FIELDS TERMINATED BY '{2}';", tbImport.Text, cmImport.Text, cm2.Text);

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

com.ExecuteNonQuery();

connect.CloseConnect();

cmImport.SelectedIndex = -1;

tbImport.Clear();

cm2.SelectedIndex = -1;

MessageBox.Show("Успешно! Импорт завершен.", "Импорт БД", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

catch (Exception msg)

{

MessageBox.Show("Возникла ошибка! " + msg.Message, "Ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

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

{

ClearInfo();

this.Close();

}

public void ClearInfo()

{

cmImport.SelectedIndex = -1;

cm2.SelectedIndex = -1;

cmExport.SelectedIndex = -1;

cm1.SelectedIndex = -1;

}

}

}

**ViewOrders.cs** – форма учета заказов

using MySql.Data.MySqlClient;

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;

using System.Runtime.InteropServices;

namespace BeautyGlory

{

public partial class ViewOrders : Form

{

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

int[] idUser;

public static string id\_order = "";

public ViewOrders()

{

InitializeComponent();

bDateOrderNew.Enabled = false;

var date = DateTime.Now.AddDays(5);

dtpDateUpd.MinDate = date;

}

private void ViewOrders\_Load(object sender, EventArgs e)

{

try

{

lDate.Text = DateTime.Now.ToString("dd.MM.yyyy");

if (AuthForm.checkform == 14741)

{

bExcels.Visible = true;

}

GetRole();

dgvFillOrder();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

cmFillEmp();

FillCell();

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void dgvFillOrder()

{

try

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT `order`.OrderID AS 'OPD', orderproduct.ProductArticleNumber AS 'Артикул', orderproduct.OrderCount AS 'Количество', `order`.OrderCode AS 'Код получения',

`order`.OrderDeliveryDate AS 'Дата доставки', orderpickuppoint.PickupPoint AS 'Адрес доставки', `order`.OrderDate AS 'Дата заказа',

CONCAT(user.UserSurname, ' ', user.UserName, ' ', user.UserPatronymic) AS 'Заказчик', orderstatus.Status AS 'Статус заказа' FROM `order`

INNER JOIN orderproduct ON `order`.OrderProductID = orderproduct.OrderID INNER JOIN orderpickuppoint ON orderpickuppoint.idPickupPoint = `order`.OrderPickupPoint

INNER JOIN user ON user.UserID = `order`.OrderClient INNER JOIN orderstatus ON orderstatus.idStatus = `order`.OrderStatus;";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvOrderAll.DataSource = dt;

connection.CloseConnect();

dgvOrderAll.Columns[0].Visible = false;

dgvOrderAll.Columns[3].Visible = false;

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void FillCell()

{

for (int i = 0; i < dgvOrderAll.Rows.Count; i++)

{

if (Convert.ToString(dgvOrderAll.Rows[i].Cells[8].Value) == "Новый")

{

dgvOrderAll.Rows[i].Cells[8].Style.BackColor = Color.PaleGreen;

}

else

{

dgvOrderAll.Rows[i].Cells[8].Style.BackColor = Color.IndianRed;

}

}

}

private void cbYes\_CheckedChanged(object sender, EventArgs e)

{

if (rbNew.Checked == true)

{

cmUser.Enabled = false;

bSort.Enabled = false;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT `order`.OrderID AS 'OPD', orderproduct.ProductArticleNumber AS 'Артикул', orderproduct.OrderCount AS 'Количество', `order`.OrderCode AS 'Код получения',

`order`.OrderDeliveryDate AS 'Дата доставки', orderpickuppoint.PickupPoint AS 'Адрес доставки', `order`.OrderDate AS 'Дата заказа',

CONCAT(user.UserSurname, ' ', user.UserName, ' ', user.UserPatronymic) AS 'Заказчик', orderstatus.Status AS 'Статус заказа' FROM `order`

INNER JOIN orderproduct ON `order`.OrderProductID = orderproduct.OrderID INNER JOIN orderpickuppoint ON orderpickuppoint.idPickupPoint = `order`.OrderPickupPoint

INNER JOIN user ON user.UserID = `order`.OrderClient INNER JOIN orderstatus ON orderstatus.idStatus = `order`.OrderStatus WHERE orderstatus.Status = 'Новый';";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvOrderAll.DataSource = dt;

connection.CloseConnect();

dgvOrderAll.Columns[0].Visible = false;

dgvOrderAll.Columns[3].Visible = false;

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

else

{

cmUser.Enabled = true;

bSort.Enabled = true;

dgvFillOrder();

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

}

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

{

rbNew.Checked = false;

rbFinish.Checked = false;

bSort.Enabled = false;

this.Close();

}

private void cmFillEmp()

{

cmUser.Items.Clear();

cmUser.Items.Add("");

for (int i = 0; i < idUser.Length; i++)

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT \* FROM user WHERE UserID = " + idUser[i] + ";";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

string s = reader[0].ToString() + " - " + reader[1].ToString() + " " + reader[2].ToString() + " " + reader[3].ToString() + " ";

cmUser.Items.Add(s);

}

connection.CloseConnect();

}

}

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

{

if (cmUser.SelectedIndex == 0)

{

bSort.Enabled = true;

dgvFillOrder();

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

else

{

string n = cmUser.Text[0].ToString();

rbNew.Checked = false;

rbFinish.Checked = false;

bSort.Enabled = false;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format(@"SELECT `order`.OrderID AS 'OPD', orderproduct.ProductArticleNumber AS 'Артикул', orderproduct.OrderCount AS 'Количество', `order`.OrderCode AS 'Код получения',

`order`.OrderDeliveryDate AS 'Дата доставки', orderpickuppoint.PickupPoint AS 'Адрес доставки', `order`.OrderDate AS 'Дата заказа',

CONCAT(user.UserSurname, ' ', user.UserName, ' ', user.UserPatronymic) AS 'Заказчик', orderstatus.Status AS 'Статус заказа' FROM `order`

INNER JOIN orderproduct ON `order`.OrderProductID = orderproduct.OrderID INNER JOIN orderpickuppoint ON orderpickuppoint.idPickupPoint = `order`.OrderPickupPoint

INNER JOIN user ON user.UserID = `order`.OrderClient INNER JOIN orderstatus ON orderstatus.idStatus = `order`.OrderStatus WHERE user.UserID = {0};", n);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvOrderAll.DataSource = dt;

connection.CloseConnect();

dgvOrderAll.Columns[0].Visible = false;

dgvOrderAll.Columns[3].Visible = false;

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

}

private void GetRole()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql\_count = @"SELECT COUNT(\*) FROM user WHERE UserRole = 2 OR UserRole = 1;";

MySqlCommand com\_count = new MySqlCommand(sql\_count, connection.GetConnect());

int N = Convert.ToInt32(com\_count.ExecuteScalar());

idUser = new int[N];

string sql\_id = @"SELECT UserID FROM user WHERE UserRole = 2 OR UserRole = 1;";

MySqlCommand com\_id = new MySqlCommand(sql\_id, connection.GetConnect());

MySqlDataReader reader = com\_id.ExecuteReader();

int i = 0;

while (reader.Read())

{

idUser[i] = Convert.ToInt32(reader[0].ToString());

i++;

}

connection.CloseConnect();

}

private void dgvOrderAll\_CellMouseDoubleClick(object sender, DataGridViewCellMouseEventArgs e)

{

try

{

if (dgvOrderAll.Rows[e.RowIndex].Cells[8].Value.ToString() == "Новый")

{

DialogResult dg = MessageBox.Show("Вы действительно хотите завершить данный заказ?\n", "Завершение заказа", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (dg == DialogResult.Yes)

{

dgvFillOrder();

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private void button1\_Click(object sender, EventArgs e)

{

if (bSort.Text == "Сортировать")

{

rbNew.Checked = false;

rbFinish.Checked = false;

cmUser.Enabled = false;

bSort.Text = "Отменить";

string date = dtpDateSort.Value.ToString();

string[] date\_split = date.Split(' ');

var newdate = Convert.ToDateTime(date\_split[0]).ToString("yyyy.MM.dd");

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format(@"SELECT `order`.OrderID AS 'OPD', orderproduct.ProductArticleNumber AS 'Артикул', orderproduct.OrderCount AS 'Количество', `order`.OrderCode AS 'Код получения',

`order`.OrderDeliveryDate AS 'Дата доставки', orderpickuppoint.PickupPoint AS 'Адрес доставки', `order`.OrderDate AS 'Дата заказа',

CONCAT(user.UserSurname, ' ', user.UserName, ' ', user.UserPatronymic) AS 'Заказчик', orderstatus.Status AS 'Статус заказа' FROM `order`

INNER JOIN orderproduct ON `order`.OrderProductID = orderproduct.OrderID INNER JOIN orderpickuppoint ON orderpickuppoint.idPickupPoint = `order`.OrderPickupPoint

INNER JOIN user ON user.UserID = `order`.OrderClient INNER JOIN orderstatus ON orderstatus.idStatus = `order`.OrderStatus WHERE `order`.OrderDate = '{0}' ORDER BY `order`.OrderID;", newdate);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvOrderAll.DataSource = dt;

connection.CloseConnect();

dgvOrderAll.Columns[0].Visible = false;

dgvOrderAll.Columns[3].Visible = false;

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

else

{

cmUser.Enabled = true;

bSort.Text = "Сортировать";

dgvFillOrder();

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

}

private void dgvOrderAll\_CellMouseClick(object sender, DataGridViewCellMouseEventArgs e)

{

try

{

if (e.RowIndex >= 0 && e.RowIndex < dgvOrderAll.Rows.Count)

{

bDateOrderNew.Enabled = true;

id\_order = dgvOrderAll.Rows[e.RowIndex].Cells[0].Value.ToString();

}

}

catch (Exception)

{

;

}

bDateOrderNew.Enabled = true;

}

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

{

DialogResult dg = MessageBox.Show("Вы действительно хотите изменить дату доставки?", "Информация о доставке", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (dg == DialogResult.Yes)

{

string date = dtpDateUpd.Value.ToString();

string[] date\_split = date.Split(' ');

var newdate = Convert.ToDateTime(date\_split[0]).ToString("yyyy.MM.dd");

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = String.Format("UPDATE `order` SET OrderDeliveryDate = '{0}' WHERE OrderID = {1}", newdate, id\_order);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

connection.CloseConnect();

dgvFillOrderNew();

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

bDateOrderNew.Enabled = false;

MessageBox.Show("Успешно! Дата доставки заказа перенесена на выбранную дату.", "Информация о доставке", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

}

private void dgvFillOrderNew()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql =String.Format(@"SELECT `order`.OrderID AS 'OPD', orderproduct.ProductArticleNumber AS 'Артикул', orderproduct.OrderCount AS 'Количество', `order`.OrderCode AS 'Код получения',

`order`.OrderDeliveryDate AS 'Дата доставки', orderpickuppoint.PickupPoint AS 'Адрес доставки', `order`.OrderDate AS 'Дата заказа',

CONCAT(user.UserSurname, ' ', user.UserName, ' ', user.UserPatronymic) AS 'Заказчик', orderstatus.Status AS 'Статус заказа' FROM `order`

INNER JOIN orderproduct ON `order`.OrderProductID = orderproduct.OrderID INNER JOIN orderpickuppoint ON orderpickuppoint.idPickupPoint = `order`.OrderPickupPoint

INNER JOIN user ON user.UserID = `order`.OrderClient INNER JOIN orderstatus ON orderstatus.idStatus = `order`.OrderStatus

ORDER BY CASE WHEN `order`.OrderID = {0} THEN 0 ELSE 1 END, `order`.OrderID;", id\_order);

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvOrderAll.DataSource = dt;

connection.CloseConnect();

dgvOrderAll.Columns[0].Visible = false;

dgvOrderAll.Columns[3].Visible = false;

}

private void radioButton1\_CheckedChanged(object sender, EventArgs e)

{

if (rbNew.Checked == true)

{

cmUser.Enabled = false;

bSort.Enabled = false;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT `order`.OrderID AS 'OPD', orderproduct.ProductArticleNumber AS 'Артикул', orderproduct.OrderCount AS 'Количество', `order`.OrderCode AS 'Код получения',

`order`.OrderDeliveryDate AS 'Дата доставки', orderpickuppoint.PickupPoint AS 'Адрес доставки', `order`.OrderDate AS 'Дата заказа',

CONCAT(user.UserSurname, ' ', user.UserName, ' ', user.UserPatronymic) AS 'Заказчик', orderstatus.Status AS 'Статус заказа' FROM `order`

INNER JOIN orderproduct ON `order`.OrderProductID = orderproduct.OrderID INNER JOIN orderpickuppoint ON orderpickuppoint.idPickupPoint = `order`.OrderPickupPoint

INNER JOIN user ON user.UserID = `order`.OrderClient INNER JOIN orderstatus ON orderstatus.idStatus = `order`.OrderStatus WHERE orderstatus.Status = 'Новый';";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvOrderAll.DataSource = dt;

connection.CloseConnect();

dgvOrderAll.Columns[0].Visible = false;

dgvOrderAll.Columns[3].Visible = false;

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

else

{

cmUser.Enabled = true;

bSort.Enabled = true;

dgvFillOrder();

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

}

private void radioButton2\_CheckedChanged(object sender, EventArgs e)

{

if (rbFinish.Checked == true)

{

cmUser.Enabled = false;

bSort.Enabled = false;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT `order`.OrderID AS 'OPD', orderproduct.ProductArticleNumber AS 'Артикул', orderproduct.OrderCount AS 'Количество', `order`.OrderCode AS 'Код получения',

`order`.OrderDeliveryDate AS 'Дата доставки', orderpickuppoint.PickupPoint AS 'Адрес доставки', `order`.OrderDate AS 'Дата заказа',

CONCAT(user.UserSurname, ' ', user.UserName, ' ', user.UserPatronymic) AS 'Заказчик', orderstatus.Status AS 'Статус заказа' FROM `order`

INNER JOIN orderproduct ON `order`.OrderProductID = orderproduct.OrderID INNER JOIN orderpickuppoint ON orderpickuppoint.idPickupPoint = `order`.OrderPickupPoint

INNER JOIN user ON user.UserID = `order`.OrderClient INNER JOIN orderstatus ON orderstatus.idStatus = `order`.OrderStatus WHERE orderstatus.Status = 'Завершен';";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvOrderAll.DataSource = dt;

connection.CloseConnect();

FillCell();

dgvOrderAll.Columns[0].Visible = false;

dgvOrderAll.Columns[3].Visible = false;

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

else

{

cmUser.Enabled = true;

bSort.Enabled = true;

dgvFillOrder();

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

}

private void rbAll\_CheckedChanged(object sender, EventArgs e)

{

if (rbAll.Checked == true)

{

cmUser.Enabled = false;

bSort.Enabled = false;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT `order`.OrderID AS 'OPD', orderproduct.ProductArticleNumber AS 'Артикул', orderproduct.OrderCount AS 'Количество', `order`.OrderCode AS 'Код получения',

`order`.OrderDeliveryDate AS 'Дата доставки', orderpickuppoint.PickupPoint AS 'Адрес доставки', `order`.OrderDate AS 'Дата заказа',

CONCAT(user.UserSurname, ' ', user.UserName, ' ', user.UserPatronymic) AS 'Заказчик', orderstatus.Status AS 'Статус заказа' FROM `order`

INNER JOIN orderproduct ON `order`.OrderProductID = orderproduct.OrderID INNER JOIN orderpickuppoint ON orderpickuppoint.idPickupPoint = `order`.OrderPickupPoint

INNER JOIN user ON user.UserID = `order`.OrderClient INNER JOIN orderstatus ON orderstatus.idStatus = `order`.OrderStatus WHERE orderstatus.Status IN ('Завершен', 'Новый');";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvOrderAll.DataSource = dt;

connection.CloseConnect();

FillCell();

dgvOrderAll.Columns[0].Visible = false;

dgvOrderAll.Columns[3].Visible = false;

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

else

{

cmUser.Enabled = true;

bSort.Enabled = true;

dgvFillOrder();

FillCell();

lCountOrder.Text = "Всего заказов: " + dgvOrderAll.Rows.Count;

}

}

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

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT `order`.OrderID AS 'Номер заказа', orderproduct.ProductArticleNumber AS 'Артикул', orderproduct.OrderCount AS 'Количество',

CONCAT(EXTRACT(DAY FROM `order`.OrderDeliveryDate), '.', EXTRACT(MONTH FROM `order`.OrderDeliveryDate), '.', EXTRACT(YEAR FROM `order`.OrderDeliveryDate)) AS 'Дата доставки',

orderpickuppoint.PickupPoint AS 'Адрес доставки', CONCAT(EXTRACT(DAY FROM `order`.OrderDate), '.', EXTRACT(MONTH FROM `order`.OrderDate), '.', EXTRACT(YEAR FROM `order`.OrderDate)) AS 'Дата заказа',

CONCAT(user.UserSurname, ' ', user.UserName, ' ', user.UserPatronymic) AS 'Заказчик', orderstatus.Status AS 'Статус заказа' FROM `order`

INNER JOIN orderproduct ON `order`.OrderProductID = orderproduct.OrderID INNER JOIN orderpickuppoint ON orderpickuppoint.idPickupPoint = `order`.OrderPickupPoint

INNER JOIN user ON user.UserID = `order`.OrderClient INNER JOIN orderstatus ON orderstatus.idStatus = `order`.OrderStatus;";

MySqlCommand cmd = new MySqlCommand(sql, connection.GetConnect());

cmd.ExecuteNonQuery();

MySqlDataAdapter da = new MySqlDataAdapter(cmd);

DataTable dt = new DataTable();

da.Fill(dt);

Microsoft.Office.Interop.Excel.Application ExcelApp = new Microsoft.Office.Interop.Excel.Application();

Microsoft.Office.Interop.Excel.Workbook ExcelWorkBook;

Microsoft.Office.Interop.Excel.Worksheet ExcelWorkSheet;

ExcelWorkBook = ExcelApp.Workbooks.Add(System.Reflection.Missing.Value);

ExcelWorkSheet = (Microsoft.Office.Interop.Excel.Worksheet)ExcelWorkBook.Worksheets.get\_Item(1);

Microsoft.Office.Interop.Excel.Range \_excelCells1 = (Microsoft.Office.Interop.Excel.Range)ExcelWorkSheet.get\_Range("A1", "H1").Cells;

\_excelCells1.Merge(Type.Missing);

ExcelApp.Cells[1, 1].EntireRow.Font.Size = 16;

ExcelApp.Cells[1, 1].EntireRow.Font.Bold = true;

ExcelApp.Cells[1, 1] = "Отчет по всем заказам товаров";

ExcelApp.Cells[1, 1].HorizontalAlignment = -4108;

ExcelApp.Cells[1, 1].VerticalAlignment = -4108;

Microsoft.Office.Interop.Excel.Range \_excelCells2 = (Microsoft.Office.Interop.Excel.Range)ExcelWorkSheet.get\_Range("A2", "H2").Cells;

\_excelCells2.Merge(Type.Missing);

ExcelApp.Cells[2, 1].EntireRow.Font.Bold = true;

ExcelApp.Cells[2, 1].EntireRow.Font.Size = 16;

ExcelApp.Cells[2, 1] = "от " + DateTime.Now.ToString("dd.MM.yyyy");

ExcelApp.Cells[2, 1].HorizontalAlignment = -4108;

ExcelApp.Cells[2, 1].VerticalAlignment = -4108;

ExcelApp.Range["A3:H3"].EntireRow.Font.Bold = true;

ExcelApp.Cells[3, 1] = "Номер заказа";

ExcelApp.Cells[3, 2] = "Артикул";

ExcelApp.Cells[3, 3] = "Количество";

ExcelApp.Cells[3, 4] = "Дата доставки заказа";

ExcelApp.Cells[3, 5] = "Адрес доставки";

ExcelApp.Cells[3, 6] = "Дата заказа";

ExcelApp.Cells[3, 7] = "Заказчик";

ExcelApp.Cells[3, 8] = "Статус";

ExcelApp.Range["A1:H100" + (dt.Rows.Count + 2)].Borders.LineStyle = Microsoft.Office.Interop.Excel.XlLineStyle.xlContinuous;

ExcelApp.Range["A1:H100" + (dt.Rows.Count + 2)].Borders.Weight = Microsoft.Office.Interop.Excel.XlBorderWeight.xlThin;

ExcelApp.Range["A1:H100"].Font.Size = 14;

for (int i = 3; i < dt.Rows.Count + 1; i++)

{

for (int j = 0; j < dt.Columns.Count; j++)

{

if (i == 0)

{

ExcelApp.Cells[i + 1, j + 1] = dt.Rows[0].ItemArray[j].ToString();

}

else

{

ExcelApp.Cells[i + 1, j + 1] = dt.Rows[i - 1].ItemArray[j].ToString();

}

}

}

ExcelWorkSheet.Columns.AutoFit();

ExcelApp.Visible = true;

ExcelApp.UserControl = true;

ExcelApp.UserControl = true;

}

private void dgvOrderAll\_CellContentClick(object sender, DataGridViewCellEventArgs e)

{

}

}

}

**ViewProduct.cs** – форма просмотра товаров

using MySql.Data.MySqlClient;

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 BeautyGlory

{

public partial class ViewProduct : Form

{

private const int CP\_NOCLOSE\_BUTTON = 0x200;

protected override CreateParams CreateParams

{

get

{

CreateParams myCp = base.CreateParams;

myCp.ClassStyle = myCp.ClassStyle | CP\_NOCLOSE\_BUTTON;

return myCp;

}

}

string id\_prod;

public ViewProduct()

{

InitializeComponent();

}

private void ViewProduct\_Load(object sender, EventArgs e)

{

ProductFill();

Count();

cmCat\_Fill();

cmSup\_Fill();

cmMan\_Fill();

FillFilter();

pbPhoto.ImageLocation = "Photo/img\_holder.png";

bPhoto.Visible = false;

}

public void ProductFill()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT product.ProductArticleNumber AS 'Артикул',

product.ProductName AS 'Название', product.ProductDescription AS 'Описание',

product.ProductCost AS 'Цена', productcategory.Category AS 'Категория',

productmanufacturer.Manufacturer AS 'Производитель', productsupplier.Supplier AS 'Поставщик',

product.ProductQuantityInStock AS 'Количество', productunit.unit AS 'Ед.измерения',

product.ProductDiscountAmount AS 'Действующая скидка', ProductMaxDiscount AS 'Максимальная скидка',

product.ProductPhoto AS 'Изображение' FROM product INNER JOIN productmanufacturer ON product.ProductManufacturer = productmanufacturer.idManufacturer

INNER JOIN productsupplier ON product.ProductSupplier = productsupplier.idSupplier INNER JOIN productunit ON product.ProductUnit = productunit.idUnit

INNER JOIN productcategory ON product.ProductCategory = productcategory.idCategory;";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvProduct.DataSource = dt;

dgvProduct.Columns[2].Visible = false;

dgvProduct.Columns[8].Visible = false;

dgvProduct.Columns[10].Visible = false;

dgvProduct.Columns[11].Visible = false;

connection.CloseConnect();

FillCell();

}

private void Count()

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT COUNT(\*) FROM product;";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

int count\_db = Convert.ToInt32(com.ExecuteScalar());

connection.CloseConnect();

int count\_dgv = dgvProduct.Rows.Count;

lCount.Text = String.Format("Количество записей: {0} из {1}", count\_dgv, count\_db);

}

private void cmCat\_Fill()

{

cmCategory.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM ProductCategory;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

cmCategory.Items.Add(reader[1].ToString());

}

connect.CloseConnect();

}

public void ClearInfo()

{

tbDisc.Clear();

tbDiscMax.Clear();

tbName.Clear();

tbDesc.Clear();

cmMan.SelectedIndex = -1;

tbPrice.Clear();

tbQuantly.Clear();

tbPhoto.Clear();

cmCategory.SelectedIndex = -1;

cmSupplier.SelectedIndex = -1;

pbPhoto.ImageLocation = "Photo/img\_holder.png";

}

private void cmMan\_Fill()

{

cmMan.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM ProductManufacturer;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

cmMan.Items.Add(reader[1].ToString());

}

connect.CloseConnect();

}

private void cmSup\_Fill()

{

cmSupplier.Items.Clear();

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT \* FROM ProductSupplier;";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

MySqlDataReader reader = com.ExecuteReader();

while (reader.Read())

{

cmSupplier.Items.Add(reader[1].ToString());

}

connect.CloseConnect();

}

private void dgvProduct\_CellMouseClick(object sender, DataGridViewCellMouseEventArgs e)

{

try

{

id\_prod = dgvProduct.Rows[e.RowIndex].Cells[0].Value.ToString();

tbName.Text = dgvProduct.Rows[e.RowIndex].Cells[1].Value.ToString();

tbDesc.Text = dgvProduct.Rows[e.RowIndex].Cells[2].Value.ToString();

tbPrice.Text = dgvProduct.Rows[e.RowIndex].Cells[3].Value.ToString();

cmMan.Text = dgvProduct.Rows[e.RowIndex].Cells[5].Value.ToString();

cmCategory.Text = dgvProduct.Rows[e.RowIndex].Cells[4].Value.ToString();

cmSupplier.Text = dgvProduct.Rows[e.RowIndex].Cells[6].Value.ToString();

tbQuantly.Text = dgvProduct.Rows[e.RowIndex].Cells[7].Value.ToString();

tbPhoto.Text = dgvProduct.Rows[e.RowIndex].Cells[11].Value.ToString();

tbDisc.Text = dgvProduct.Rows[e.RowIndex].Cells[9].Value.ToString();

tbDiscMax.Text = dgvProduct.Rows[e.RowIndex].Cells[10].Value.ToString();

pbPhoto.ImageLocation = "Photo/" + Convert.ToString(dgvProduct.Rows[e.RowIndex].Cells[11].Value.ToString());

// Путь к базе данных

string pathToDB = "host=localhost;uid=root;pwd=root;database=trade1;";

if (string.IsNullOrEmpty(pathToDB))

{

// Если путь к базе данных пустой, то подставляем фото-заглушку

pbPhoto.Image = Image.FromFile("Photo/img\_holder.png");

}

else

{

// Иначе загружаем данные из базы данных

}

}

catch (Exception)

{

;

}

}

private void tbFind\_TextChanged(object sender, EventArgs e)

{

// if (tbFind.Text.Length > 2)

// {

// cmFiltr.Enabled = false;

// db\_connect connection = new db\_connect();

// connection.OpenConnect();

// string sql = @"SELECT article AS 'Артикул',

// name AS 'Название', description AS 'Описание',

// price AS 'Цена', manufacturer AS 'Производитель',

// сategory AS 'Категория', quantity AS 'Количество',

// photo AS 'Изображение' FROM products WHERE name LIKE '%" + tbFind.Text + "%' OR article LIKE '%" + tbFind.Text + "%';";

// MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

// com.ExecuteNonQuery();

// MySqlDataAdapter adapter = new MySqlDataAdapter(com);

// DataTable dt = new DataTable();

// adapter.Fill(dt);

// dgvProduct.DataSource = dt;

// dgvProduct.Columns[7].Visible = false;

// connection.CloseConnect();

// Count();

// }

//else

//{

// //cmFiltr.Enabled = true;

// ProductFill();

// Count();

//}

}

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

{

ClearInfo();

this.Close();

}

private void FillFilter()

{

//cmFiltr.Items.Clear();

//cmFiltr.Items.Add(" ");

//db\_connect connect = new db\_connect();

//connect.OpenConnect();

//string sql = "SELECT \* FROM ProductCategory;";

//MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

//MySqlDataReader reader = com.ExecuteReader();

//while (reader.Read())

//{

// //cmFiltr.Items.Add(reader[1].ToString());

//}

//connect.CloseConnect();

}

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

{

// if (cmFiltr.Text == " ")

// {

// ProductFill();

// Count();

// tbFind.Enabled = true;

// }

// else

// {

// tbFind.Enabled = false;

// int id = get\_cmCat();

// db\_connect connection = new db\_connect();

// connection.OpenConnect();

// string sql = @"SELECT article AS 'Артикул',

// name AS 'Название', description AS 'Описание',

// price AS 'Цена', manufacturer AS 'Производитель',

// сategory AS 'Категория', quantity AS 'Количество',

// photo AS 'Изображение' FROM products WHERE сategory = " + id + ";";

// MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

// com.ExecuteNonQuery();

// MySqlDataAdapter adapter = new MySqlDataAdapter(com);

// DataTable dt = new DataTable();

// adapter.Fill(dt);

// dgvProduct.DataSource = dt;

// dgvProduct.Columns[7].Visible = false;

// connection.CloseConnect();

// Count();

// }

}

//private int get\_cmCat()

//{

// //db\_connect connect = new db\_connect();

// //connect.OpenConnect();

// //string sql = "SELECT id FROM category WHERE name = '" + cmFiltr.Text + "';";

// //MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

// //int id = Convert.ToInt32(com.ExecuteScalar());

// //connect.CloseConnect();

// //return id;

//}

private void FillCell()

{

for (int i = 0; i < dgvProduct.Rows.Count; i++)

{

if (Convert.ToInt32(dgvProduct.Rows[i].Cells[7].Value) == 0)

{

dgvProduct.Rows[i].Cells[7].Style.BackColor = Color.IndianRed;

}

}

}

private void dgvProduct\_ColumnHeaderMouseClick(object sender, DataGridViewCellMouseEventArgs e)

{

if (e.ColumnIndex >= 0 && e.ColumnIndex < dgvProduct.Columns.Count)

{

// код обработки щелчка по заголовку столбца

}

}

private void label3\_Click(object sender, EventArgs e)

{

}

private void dgvProduct\_CellMouseDoubleClick(object sender, DataGridViewCellMouseEventArgs e)

{

if (AuthForm.role\_user == 2 || AuthForm.role\_user == 1)

{

DialogResult result = MessageBox.Show("Вы действительно хотите добавить товар в корзину?", "Корзина", MessageBoxButtons.YesNo, MessageBoxIcon.Question);

if (result == DialogResult.Yes)

{

try

{

if (id\_prod == "")

{

MessageBox.Show("Ошибка! Сначала выберите товар!", "Информация", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

else

{

if (Convert.ToInt32(dgvProduct.CurrentRow.Cells[7].Value) == 0)

{

MessageBox.Show("К сожалению, товар закончился на складе!", "Информация", MessageBoxButtons.OK, MessageBoxIcon.Warning);

}

else

{

if (CheckCartTovar() == false)

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

MySqlTransaction trans = connection.GetConnect().BeginTransaction();

string sql1 = String.Format("UPDATE cart SET Quantity = (Quantity + 1) WHERE idProduct = '{0}' AND idUser = {1};", id\_prod, AuthForm.id\_user);

MySqlCommand com1 = new MySqlCommand(sql1, connection.GetConnect());

com1.Transaction = trans;

string sql2 = String.Format("UPDATE product SET ProductQuantityInStock = (ProductQuantityInStock - 1) WHERE ProductArticleNumber = '{0}';", id\_prod);

MySqlCommand com2 = new MySqlCommand(sql2, connection.GetConnect());

com2.Transaction = trans;

try

{

com1.ExecuteNonQuery();

com2.ExecuteNonQuery();

trans.Commit();

ProductFill();

MessageBox.Show("Успешно! Товар с артикулом - " + id\_prod + ". Добавлен в корзину в количестве 1-ой позиции.", "Корзина", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

trans.Rollback();

}

}

else

{

db\_connect connection = new db\_connect();

connection.OpenConnect();

MySqlTransaction trans = connection.GetConnect().BeginTransaction();

double price = Convert.ToDouble(tbPrice.Text);

double disc = Convert.ToInt32(tbDisc.Text) / 100.0;

price = price - (price \* disc);

string price2 = Convert.ToString((Math.Round(price, 2))).Replace(",", ".");

string sql1 = String.Format("INSERT INTO cart VALUES(null, {0}, '{1}', '{2}', {3}, 1);", AuthForm.id\_user, id\_prod, tbName.Text, price2);

MySqlCommand com1 = new MySqlCommand(sql1, connection.GetConnect());

com1.Transaction = trans;

string sql2 = String.Format("UPDATE product SET ProductQuantityInStock = (ProductQuantityInStock - 1) WHERE ProductArticleNumber = '{0}';", id\_prod);

MySqlCommand com2 = new MySqlCommand(sql2, connection.GetConnect());

com2.Transaction = trans;

try

{

com1.ExecuteNonQuery();

com2.ExecuteNonQuery();

trans.Commit();

ProductFill();

MessageBox.Show("Успешно! Товар с артикулом - " + id\_prod + ". Добавлен в корзину в количестве 1-ой позиции.", "Корзина", MessageBoxButtons.OK, MessageBoxIcon.Information);

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

trans.Rollback();

}

}

}

}

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

}

}

private bool CheckCartTovar()

{

try

{

bool flag = false;

string count = "";

db\_connect connect = new db\_connect();

connect.OpenConnect();

string sql = "SELECT Quantity FROM cart WHERE idUser = " + AuthForm.id\_user + " AND idProduct = '" + id\_prod + "';";

MySqlCommand com = new MySqlCommand(sql, connect.GetConnect());

try

{

count = com.ExecuteScalar().ToString();

flag = false;

}

catch

{

flag = true;

return flag;

}

return flag;

}

catch (Exception msg)

{

MessageBox.Show("Ошибка! " + msg.Message, "Возникла ошибка", MessageBoxButtons.OK, MessageBoxIcon.Error);

return false;

}

}

private void textBox1\_TextChanged(object sender, EventArgs e)

{

if (tbFind.Text.Length > 2)

{

//cmFiltr.Enabled = false;

db\_connect connection = new db\_connect();

connection.OpenConnect();

string sql = @"SELECT product.ProductArticleNumber AS 'Артикул',

product.ProductName AS 'Название', product.ProductDescription AS 'Описание',

product.ProductCost AS 'Цена', productcategory.Category AS 'Категория',

productmanufacturer.Manufacturer AS 'Производитель', productsupplier.Supplier AS 'Поставщик',

product.ProductQuantityInStock AS 'Количество', productunit.unit AS 'Ед.измерения',

product.ProductDiscountAmount AS 'Действующая скидка', ProductMaxDiscount AS 'Максимальная скидка',

product.ProductPhoto AS 'Изображение' FROM product INNER JOIN productmanufacturer ON product.ProductManufacturer = productmanufacturer.idManufacturer

INNER JOIN productsupplier ON product.ProductSupplier = productsupplier.idSupplier INNER JOIN productunit ON product.ProductUnit = productunit.idUnit

INNER JOIN productcategory ON product.ProductCategory = productcategory.idCategory WHERE product.ProductName LIKE '%" + tbFind.Text + "%' OR product.ProductArticleNumber LIKE '%" + tbFind.Text + "%';";

MySqlCommand com = new MySqlCommand(sql, connection.GetConnect());

com.ExecuteNonQuery();

MySqlDataAdapter adapter = new MySqlDataAdapter(com);

DataTable dt = new DataTable();

adapter.Fill(dt);

dgvProduct.DataSource = dt;

dgvProduct.Columns[7].Visible = false;

connection.CloseConnect();

Count();

}

else

{

//cmFiltr.Enabled = true;

ProductFill();

Count();

}

}

}

}