# ПРИЛОЖЕНИЕ

**Листинг программы**

using PharmacyDiplomProject.Data;

using PharmacyDiplomProject.Models;

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 PharmacyDiplomProject.Forms

{

public partial class MainForm : Form

{

public MainForm()

{

InitializeComponent();

LoadForm();

}

private void LoadForm()

{

var products = new List<Product>();

using(var productDataAccess = new ProductDataAccess())

{

products = productDataAccess.Select().ToList();

}

foreach(var p in products)

{

ProductFromDBDGV.Rows.Add(p.Info());

}

}

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

{

var text = SearchTextBox.Text;

var products = new List<Product>();

if (text != "")

{

using (var productDataAccess = new ProductDataAccess())

{

products = productDataAccess.SelectProductsByName(text).ToList<Product>();

}

ProductFromDBDGV.Rows.Clear();

ProductFromDBDGV.Refresh();

foreach (var p in products)

{

ProductFromDBDGV.Rows.Add(p.Info());

}

}

}

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

{

if (string.IsNullOrWhiteSpace(SearchTextBox.Text))

{

ProductFromDBDGV.Rows.Clear();

LoadForm();

}

}

private void dataGridView1\_CellDoubleClick(object sender, DataGridViewCellEventArgs e)

{

if (int.Parse(ProductFromDBDGV[3, ProductFromDBDGV.CurrentRow.Index].Value.ToString()) > 0)

{

string text = ProductFromDBDGV[1, e.RowIndex].Value.ToString();

double price = double.Parse(ProductFromDBDGV[2, e.RowIndex].Value.ToString());

string id = ProductFromDBDGV[0, e.RowIndex].Value.ToString();

ProductFromDBDGV[3, e.RowIndex].Value = int.Parse(ProductFromDBDGV[3, e.RowIndex].Value.ToString()) - 1;

bool res = true;

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

{

if (ProductListDGV[0, i].Value.ToString() == id)

{

ProductListDGV[3, i].Value = int.Parse(ProductListDGV[3, i].Value.ToString()) + 1;

res = false;

}

}

if (res)

{

ProductListDGV.Rows.Add(id, text, price, 1);

}

}

else

{

MessageBox.Show("Ошибка", "Уведомление", MessageBoxButtons.OK, MessageBoxIcon.Error);

}

}

private double summa = 0;

private string Sum(double price)

{

summa += price;

return summa.ToString();

}