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Черняков Артем 01 группа.
Задание №1: Классы, инкапсуляция, наследование, полиморфизм
Код:
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 WindowsFormsApp1
{
public partial class Form1: Form
public Form1()
InitializeComponent();
this.AutoSizeMode =
System.Windows.Forms.AutoSizeMode.GrowAndShrink;
}
public float x, y;
private void Выбор_SelectedIndexChanged(object sender, EventArgs e)
{
}
private void Картина_Click(object sender, EventArgs e)
{
}
private void button1_Click(object sender, EventArgs e)
{
Картина.lmage = null;
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}
private void button2_Click(object sender, EventArgs e)
}
private Point start;
private bool drawing = false;
Bitmap bm = new Bitmap(400, 400);
Bitmap bm2 = new Bitmap(400, 400);
private void pictureBox1_Click(object sender, EventArgs e)
{
}
private void Tect_MouseDown(object sender, MouseEventArgs e)
drawing = true;
private void Tect_MouseUp(object sender, MouseEventArgs e)
drawing = false;
Tест.Invalidate();
}
private void Tect_MouseMove(object sender, MouseEventArgs e)
if (!drawing) return;
var start = new Point(e.X - 200, e.Y - 80); //по нормальному тут не
должно быть констант(200 и 80) просто лень было все координаты менять
bm2 = new Bitmap(bm);
Tест.Image = bm2;
var g = Graphics.FromImage(bm2);
Pen pen = new Pen(Color.Black);
g.DrawLine(pen, start.X + 200, start.Y + 100, start.X + 400, start.Y +
100);
g.DrawLine(pen, start.X + 400, start.Y + 100, start.X + 400, start.Y +
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300);
g.DrawLine(pen, start.X + 200, start.Y + 100, start.X + 200, start.Y +
300);
g.DrawLine(pen, start.X + 200, start.Y + 300, start.X + 400, start.Y +
300);
g.Dispose();
Tecт.Invalidate();
private void Добавить_Click(object sender, EventArgs e)
if (Выбор.SelectedIndex == 0)
Random rnd = new Random();
int value = rnd.Next(1, 300);
Graphics gr = this. Kapтинa. CreateGraphics();
x = this. Kapтинa. Width / 2;
y = this. Картина. Height / 2;
Pen myPen = new Pen(Color.FromArgb(rnd.Next(255),
rnd.Next(255), rnd.Next(255)), 2);
gr.DrawRectangle(myPen, value, value, 80, 80);
}
if (Выбор.SelectedIndex == 1)
{
Random rnd = new Random();
int value = rnd.Next(1, 300);
float radius = 40.0f;
float diametr = radius * 2.0f;
Graphics gr = this. Картина. CreateGraphics();
x = this.Картина.Width / 2;
y = this. Картина. Height / 2;
Pen myPen = new Pen(Color.FromArgb(rnd.Next(255),
rnd.Next(255), rnd.Next(255)), 2);
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gr.DrawEllipse(myPen, value, value, diametr, diametr);
if (Выбор.SelectedIndex == 2)
Graphics gr = this. Картина. Create Graphics();
Pen pen = new Pen(Color.Green, 2);
x = this.Картина.Width;
y = this.Картина.Height;
Point[] points =
new Point(360, 30),
new Point(330, 60),
new Point(390, 60),
new Point(360, 30)
};
gr.DrawLines(pen, points);
}
🖳 Фигуры
                                                                                                  Фигура: Квадрат
                            Добавить
                                     Удалить всё
                                                                        Перемещение квадрата:
```