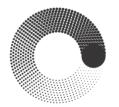
## ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ АВТОНОМНОЕ ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ



# МОСКОВСКИЙ ПОЛИТЕХНИЧЕСКИЙ УНИВЕРСИТЕТ

Факультет информационных технологий Кафедра Информатики и информационных технологий

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#### ЛАБОРАТОРНАЯ РАБОТА №5

Дисциплина: Технологии прикладного программирования

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Замечания:		

Москва

### Текст задачи

Разработать программу "блокнот" с соответствующим функионалом.

## Код вёрстки окон и код программной логики

```
<Window x:Class="ЛР5.MainWindow"
    xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
    xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
    xmlns:d="http://schemas.microsoft.com/expression/blend/2008"
    xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"
    xmlns:local="clr-namespace:ЛР5"
    mc:Ignorable="d"
    Title="" Height="380" Width="600" Closing="Form1_Closing">
  <Grid>
    <StackPanel Orientation="Horizontal">
      <ComboBox x:Name="Color" SelectionChanged="color_settings" SelectedValuePath="color_path" Text="Цвет"
Height="20" VerticalAlignment="Top" Width="100" IsEditable="True" IsReadOnly="True">
      <ComboBox x:Name="Font" Height="20" VerticalAlignment="Top" Width="100" IsEditable="True"
Text="Шрифт"
SelectionChanged="Font_settings">
      </ComboBox>
      <ComboBox x:Name="Font_Size" SelectionChanged="size_settings" Height="20" IsEditable="True"</p>
VerticalAlignment="Top" Width="100" Text="Размер">
      </ComboBox>
      <Button x:Name="Saving" Height="20" Width="100" VerticalAlignment="Top" Content="Сохранить"
Background="White" Click="Save"/>
      <Button x:Name="Opening" Height="20" Width="100" VerticalAlignment="Top" Content="Открыть"
Background="White" Click="Open"/>
    </StackPanel>
    <TextBox x:Name="Text" FontFamily="Times New Roman" TextWrapping="Wrap" AcceptsReturn="True"
Grid.Row="0" Grid.Column="0" Text="" Margin="0,20,0,0"/>
  </Grid>
</Window>
using System;
using Microsoft.Win32;
using System.IO;
using System.Collections.Generic;
using System.Ling;
using System.Text;
using System.Threading.Tasks;
using System. Windows;
using System.Windows.Controls;
using System.Windows.Data;
using System. Windows. Documents;
using System.Windows.Input;
using System. Windows. Media;
using System. Windows. Media. Imaging;
using System. Windows. Navigation;
using System. Windows. Shapes;
using System.Xml.Linq;
using System.Data.SqlTypes;
using Microsoft.Win32;
namespace ЛР5
  /// <summary>
  /// Логика взаимодействия для MainWindow.xaml
  /// </summary>
  public partial class MainWindow: Window
    public MainWindow()
```

```
InitializeComponent();
      Color.ItemsSource = new Color_Item[]
new Color_Item {color = "Чёрный"},
new Color_Item {color = "Синий"},
new Color_Item {color = "Красный"},
new Color_Item {color = "Желтый"},
new Color_Item {color = "Зеленый"}
  };
      Font.ItemsSource = new Font Item[]
new Font_Item {font = "Times New Roman"},
new Font_Item {font = "Segoe UI"},
new Font_Item {font = "Arial"},
new Font_Item {font = "Bahnschrift SemiCondensed"},
new Font_Item {font = "Bodoni MT Black"}
      Font_Size.ItemsSource = new Size_Item[]
new Size_Item {size = "8"},
new Size Item {size = "10"},
new Size_Item {size = "12"},
new Size_Item {size = "14"},
new Size_Item {size = "16"},
new Size_Item {size = "18"},
new Size_Item {size = "20"},
new Size_Item {size = "22"},
new Size Item {size = "24"},
new Size Item {size = "26"},
new Size Item {size = "28"},
new Size_Item {size = "30"}
      };
    private void Form1_Closing(object sender, System.ComponentModel.CancelEventArgs e)
      string replace = Text.Text;
      while (replace.Contains("\r\langle n \ r \ n"))
        Text.Text = replace;
      if (replace.StartsWith("\rdot{r}\n") == true)
        replace = replace.TrimStart('\r', '\n');
        Text.Text = replace;
      if (replace.EndsWith("\rdotrov{r}\n") == true)
        replace = replace.TrimEnd('\r', '\n');
        Text.Text = replace;
    private void color_settings(object sender, SelectionChangedEventArgs e)
      int color\_index = 0;
      if (Color.SelectedItem is Color_Item color_value)
        color_index = Color.SelectedIndex;
      switch (color_index)
        case 0:
           Text.Foreground = Brushes.Black; break;
        case 1:
           Text.Foreground = Brushes.Blue; break;
```

```
case 2:
       Text.Foreground = Brushes.Red; break;
    case 3:
       Text.Foreground = Brushes.Yellow; break;
    case 4:
       Text.Foreground = Brushes.Green; break;
private void Font_settings(object sender, EventArgs e)
  int font index = 0;
  if (Font.SelectedItem is Font_Item font_value)
    font_index = Font.SelectedIndex;
  switch (font_index)
    case 0:
       Text.FontFamily = new FontFamily("Times New Roman"); break;
    case 1:
       Text.FontFamily = new FontFamily("Segoe UI"); break;
    case 2:
       Text.FontFamily = new FontFamily("Arial"); break;
       Text.FontFamily = new FontFamily("Bahnschrift SemiCondensed"); break;
       Text.FontFamily = new FontFamily("Bodoni MT Black"); break;
}
private void size_settings(object sender, EventArgs e)
  int size index = 0;
  if (Font_Size.SelectedItem is Size_Item size_value)
    size_index = Font_Size.SelectedIndex;
  switch (size_index)
    case 0:
       Text.FontSize = 8; break;
    case 1:
       Text.FontSize = 10; break;
    case 2:
       Text.FontSize = 12; break;
    case 3:
       Text.FontSize = 14; break;
    case 4:
       Text.FontSize = 16; break;
    case 5:
       Text.FontSize = 18; break;
     case 6:
       Text.FontSize = 20; break;
     case 7:
       Text.FontSize = 22; break;
    case 8:
       Text.FontSize = 24; break;
    case 9:
       Text.FontSize = 26; break;
    case 10:
       Text.FontSize = 28; break;
    case 11:
       Text.FontSize = 30; break;
}
private void Save(object sender, RoutedEventArgs e)
```

```
SaveFileDialog save_1 = new SaveFileDialog();
       save_1.Filter = "txt files (*.txt)|*.txt|All files (*.*)|*.*";
       if (save_1.ShowDialog() == true)
          System.IO.File.WriteAllText(save_1.FileName, Text.Text);
     private void Open(object sender, RoutedEventArgs e)
       OpenFileDialog open_1 = new OpenFileDialog();
       open_1.Filter = "txt files (*.txt)|*.txt|All files (*.*)|*.*";
       if (open_1.ShowDialog() == true)
          Text.Text = System.IO.File.ReadAllText(open_1.FileName);
  }
public class Color_Item
  public string color { get; set; } = "";
  public override string ToString() => $"{color}";
public class Font_Item
  public string font { get; set; } = "";
  public override string ToString() => $"{font}";
public class Size_Item
  public string size { get; set; } = "";
  public override string ToString() => $"{size}";
```

