<Window x:Class="Assigment22.\_11.\_21NWithFigures.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:Assigment22.\_11.\_21NWithFigures"

mc:Ignorable="d"

Title="Color Picker" Height="470" Width="800">

<Window.Resources>

<Style TargetType="Button" x:Key="forButtonLeftPane">

<Setter Property="Width" Value="120"/>

<Setter Property="Height" Value="30"/>

<Setter Property="Margin" Value="10"/>

</Style>

<Style TargetType="Border" x:Key="forBorder">

<Setter Property="CornerRadius" Value="25"/>

<Setter Property="BorderThickness" Value="2"/>

<Setter Property="Margin" Value="15"/>

</Style>

</Window.Resources>

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="Auto"/>

<RowDefinition/>

</Grid.RowDefinitions>

<Grid Grid.Row="1">

<Grid.ColumnDefinitions>

<ColumnDefinition Width="250"/>

<ColumnDefinition/>

</Grid.ColumnDefinitions>

<StackPanel Margin="10" Grid.Column="0">

<Border Background="Red" x:Name="redBorder" Style="{StaticResource forBorder}">

<Button Content="Red" Style="{StaticResource forButtonLeftPane}"

Background="{Binding Background, ElementName=RedBorder}" BorderBrush="Transparent" Click="RedButtonIsClicked"/>

</Border>

<Border Background="Blue" x:Name="blueBorder" Style="{StaticResource forBorder}">

<Button Content="Blue" Style="{StaticResource forButtonLeftPane}"

Background="{Binding Background, ElementName=blueBorder}" BorderBrush="Transparent" Click="BlueButtonIsClicked"/>

</Border>

<Border Background="Green" x:Name="greenBorder" Style="{StaticResource forBorder}">

<Button Content="Green" Style="{StaticResource forButtonLeftPane}"

Background="{Binding Background, ElementName=greenBorder}" BorderBrush="Transparent" Click="GreenButtonIsClicked"/>

</Border>

<Border Background="Orange" x:Name="orangeBorder" Style="{StaticResource forBorder}">

<Button Content="Orange" Style="{StaticResource forButtonLeftPane}"

Background="{Binding Background, ElementName=orangeBorder}" BorderBrush="Transparent" Click="OrangeButtonIsClicked"/>

</Border>

<Border Background="LightPink" x:Name="lightPinkBorder" Style="{StaticResource forBorder}">

<Button Content="LightPink" Style="{StaticResource forButtonLeftPane}"

Background="{Binding Background, ElementName=lightPinkBorder}" BorderBrush="Transparent" Click="lightPinkButtonIsClicked"/>

</Border>

</StackPanel>

<Grid Grid.Column="1">

<Grid.RowDefinitions>

<RowDefinition/>

<RowDefinition Height="Auto"/>

</Grid.RowDefinitions>

<Canvas Grid.Row="0" x:Name="aCanvas">

<Button x:Name="button1" Width="440" Height="50"

BorderBrush="Black" BorderThickness="2" Background="Transparent"

Canvas.Left="58" Canvas.Top="38" Click="Button1\_Click"/>

<Ellipse x:Name="button2" Width="120" Height="120"

Canvas.Left="58" Canvas.Top="120"

Stroke="Black" StrokeThickness="2" MouseEnter="Button2IsClicked"/>

<Ellipse x:Name="button3" Width="270" Height="120"

Canvas.Left="227" Canvas.Top="120"

Stroke="Black" StrokeThickness="2" MouseEnter="Button3IsClicked"/>

<Button x:Name="button4" Width="160" Height="100"

BorderBrush="Black" BorderThickness="2" Background="Transparent"

Canvas.Left="40" Canvas.Top="270" Click="Button4IsClicked"/>

<Ellipse x:Name="button5" Width="123" Height="150"

Canvas.Left="300" Canvas.Top="250"

Stroke="Black" StrokeThickness="2" MouseEnter="Button5IsClicked"/>

</Canvas>

<StackPanel Grid.Row="1" Orientation="Horizontal" HorizontalAlignment="Center">

<Button Content="Reset" Width="120" Height="30" Margin="20,0" Click="Button\_ClickForReset"/>

</StackPanel>

</Grid>

</Grid>

</Grid>

</Window>

…………………

using System;

using System.Collections.Generic;

using System.Linq;

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;

namespace Assigment22.\_11.\_21NWithFigures

{

/// <summary>

/// Interaction logic for MainWindow.xaml

/// </summary>

public partial class MainWindow : Window

{

public MainWindow()

{

InitializeComponent();

}

int colorValue = 0;

private void RedButtonIsClicked(object sender, RoutedEventArgs e)

{

colorValue = 1;

}

private void BlueButtonIsClicked(object sender, RoutedEventArgs e)

{

colorValue = 2;

}

private void GreenButtonIsClicked(object sender, RoutedEventArgs e)

{

colorValue = 3;

}

private void OrangeButtonIsClicked(object sender, RoutedEventArgs e)

{

colorValue = 4;

}

private void lightPinkButtonIsClicked(object sender, RoutedEventArgs e)

{

colorValue = 5;

}

private void Button1\_Click(object sender, RoutedEventArgs e)

{

if (colorValue == 1)

{

button1.Background = new SolidColorBrush(Colors.Red); colorValue = 0;

}

else if (colorValue == 2)

{

button1.Background = new SolidColorBrush(Colors.Blue); colorValue = 0;

}

else if (colorValue == 3)

{

button1.Background = new SolidColorBrush(Colors.Green); colorValue = 0;

}

else if (colorValue == 4)

{

button1.Background = new SolidColorBrush(Colors.Orange); colorValue = 0;

}

else if (colorValue == 5)

{

button1.Background = new SolidColorBrush(Colors.LightPink); colorValue = 0;

}

}

private void Button2IsClicked(object sender, MouseEventArgs e)

{

if (colorValue == 1)

{

button2.Fill = new SolidColorBrush(Colors.Red); colorValue = 0;

}

else if (colorValue == 2)

{

button2.Fill = new SolidColorBrush(Colors.Blue); colorValue = 0;

}

else if (colorValue == 3)

{

button2.Fill = new SolidColorBrush(Colors.Green); colorValue = 0;

}

else if (colorValue == 4)

{

button2.Fill = new SolidColorBrush(Colors.Orange); colorValue = 0;

}

else if (colorValue == 5)

{

button2.Fill = new SolidColorBrush(Colors.LightPink); colorValue = 0;

}

}

private void Button3IsClicked(object sender, MouseEventArgs e)

{

if (colorValue == 1)

{

button3.Fill = new SolidColorBrush(Colors.Red); colorValue = 0;

}

else if (colorValue == 2)

{

button3.Fill = new SolidColorBrush(Colors.Blue); colorValue = 0;

}

else if (colorValue == 3)

{

button3.Fill = new SolidColorBrush(Colors.Green); colorValue = 0;

}

else if (colorValue == 4)

{

button3.Fill = new SolidColorBrush(Colors.Orange); colorValue = 0;

}

else if (colorValue == 5)

{

button3.Fill = new SolidColorBrush(Colors.LightPink); colorValue = 0;

}

}

private void Button4IsClicked(object sender, RoutedEventArgs e)

{

if (colorValue == 1)

{

button4.Background = new SolidColorBrush(Colors.Red); colorValue = 0;

}

else if (colorValue == 2)

{

button4.Background = new SolidColorBrush(Colors.Blue); colorValue = 0;

}

else if (colorValue == 3)

{

button4.Background = new SolidColorBrush(Colors.Green); colorValue = 0;

}

else if (colorValue == 4)

{

button4.Background = new SolidColorBrush(Colors.Orange); colorValue = 0;

}

else if (colorValue == 5)

{

button4.Background = new SolidColorBrush(Colors.LightPink); colorValue = 0;

}

}

private void Button5IsClicked(object sender, MouseEventArgs e)

{

if (colorValue == 1)

{

button5.Fill = new SolidColorBrush(Colors.Red); colorValue = 0;

}

else if (colorValue == 2)

{

button5.Fill = new SolidColorBrush(Colors.Blue); colorValue = 0;

}

else if (colorValue == 3)

{

button5.Fill = new SolidColorBrush(Colors.Green); colorValue = 0;

}

else if (colorValue == 4)

{

button5.Fill = new SolidColorBrush(Colors.Orange); colorValue = 0;

}

else if (colorValue == 5)

{

button5.Fill = new SolidColorBrush(Colors.LightPink); colorValue = 0;

}

}

private void Button\_ClickForReset(object sender, RoutedEventArgs e)

{

button1.Background = new SolidColorBrush(Colors.Transparent);

button2.Fill = new SolidColorBrush(Colors.Transparent);

button3.Fill = new SolidColorBrush(Colors.Transparent);

button4.Background = new SolidColorBrush(Colors.Transparent);

button5.Fill = new SolidColorBrush(Colors.Transparent);

}

}

}