Министерство образования и молодежной политики Свердловской области

ГАПОУ СО «Екатеринбургский колледж транспортного строительства»

Отчет по ТРПО. Лабораторная работа   
Триггеры в WPF-приложениях

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Группа: ПР-31

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<Window x:Class="Lab\_6\_WPF.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:Lab\_6\_WPF"

mc:Ignorable="d"

Title="Text Editor" Height="350" Width="525">

<Window.Resources>

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

<Setter Property="Background" Value="#FFDDDDDD"/>

<Setter Property="Foreground" Value="Black"/>

<Setter Property="FontSize" Value="12"/>

<Setter Property="FontWeight" Value="Bold"/>

<Style.Triggers>

<Trigger Property="IsMouseOver" Value="True">

<Setter Property="Background" Value="#FFB0B0B0"/>

</Trigger>

<Trigger Property="IsPressed" Value="True">

<Setter Property="Background" Value="#FF909090"/>

</Trigger>

</Style.Triggers>

</Style>

<Style x:Key="TextBoxStyle" TargetType="TextBox">

<Setter Property="Background">

<Setter.Value>

<LinearGradientBrush StartPoint="0,0" EndPoint="1,1">

<GradientStop Color="LightBlue" Offset="0"/>

<GradientStop Color="White" Offset="1"/>

</LinearGradientBrush>

</Setter.Value>

</Setter>

<Style.Triggers>

<DataTrigger Binding="{Binding ElementName=cmbFonts, Path=SelectedItem.Content}" Value="Arial">

<Setter Property="FontFamily" Value="Arial"/>

<Setter Property="FontSize" Value="14"/>

<Setter Property="Foreground" Value="Black"/>

</DataTrigger>

<DataTrigger Binding="{Binding ElementName=cmbFonts, Path=SelectedItem.Content}" Value="Times New Roman">

<Setter Property="FontFamily" Value="Times New Roman"/>

<Setter Property="FontSize" Value="16"/>

<Setter Property="Foreground" Value="DarkRed"/>

</DataTrigger>

<DataTrigger Binding="{Binding ElementName=cmbFonts, Path=SelectedItem.Content}" Value="Courier New">

<Setter Property="FontFamily" Value="Courier New"/>

<Setter Property="FontSize" Value="12"/>

<Setter Property="Foreground" Value="DarkGreen"/>

</DataTrigger>

</Style.Triggers>

</Style>

</Window.Resources>

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="Auto"/>

<RowDefinition Height="\*"/>

<RowDefinition Height="Auto"/>

</Grid.RowDefinitions>

<StackPanel Grid.Row="0" Orientation="Horizontal" Margin="5">

<Button x:Name="btnOpen" Content="Открыть" Margin="5" Click="btnOpen\_Click" Style="{StaticResource ButtonStyle}"/>

<Button x:Name="btnClear" Content="Очистить" Margin="5" Click="btnClear\_Click" Style="{StaticResource ButtonStyle}"/>

<Button x:Name="btnClose" Content="Закрыть" Margin="5" Click="btnClose\_Click" IsEnabled="False" Style="{StaticResource ButtonStyle}"/>

<ComboBox x:Name="cmbFonts" Margin="5" SelectionChanged="cmbFonts\_SelectionChanged">

<ComboBoxItem Content="Arial"/>

<ComboBoxItem Content="Times New Roman"/>

<ComboBoxItem Content="Courier New"/>

</ComboBox>

</StackPanel>

<Grid Grid.Row="1">

<Grid.ColumnDefinitions>

<ColumnDefinition Width="\*"/>

<ColumnDefinition Width="\*"/>

</Grid.ColumnDefinitions>

<TextBox x:Name="txtBox1" Grid.Column="0" Margin="5" VerticalScrollBarVisibility="Auto" Style="{StaticResource TextBoxStyle}" TextChanged="TextBox\_TextChanged"/>

<TextBox x:Name="txtBox2" Grid.Column="1" Margin="5" VerticalScrollBarVisibility="Auto" Style="{StaticResource TextBoxStyle}" TextChanged="TextBox\_TextChanged"/>

</Grid>

</Grid>

</Window>

namespace Lab\_6\_WPF

{

public partial class MainWindow : Window

{

public MainWindow()

{

InitializeComponent();

}

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

{

}

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

{

txtBox1.Clear();

txtBox2.Clear();

btnClose.IsEnabled = false;

}

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

{

this.Close();

}

private void cmbFonts\_SelectionChanged(object sender, RoutedEventArgs e)

{

UpdateTextBoxStyles();

}

private void UpdateTextBoxStyles()

{

txtBox1.Style = FindResource("TextBoxStyle") as Style;

txtBox2.Style = FindResource("TextBoxStyle") as Style;

}

private void UpdateCloseButtonState()

{

btnClose.IsEnabled = string.IsNullOrWhiteSpace(txtBox1.Text) && string.IsNullOrWhiteSpace(txtBox2.Text);

}

private void TextBox\_TextChanged(object sender, TextChangedEventArgs e)

{

UpdateCloseButtonState();

}

}

}  


