Министерство образования и молодежной политики Свердловской области

ГАПОУ СО «Екатеринбургский колледж транспортного строительства»

Отчет по ТРПО. Лабораторная работа   
Трансформация в WPF-приложениях

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Группа: ПР-31

Преподаватель: Бушуева Е. В.

2024

Задание 1

<Window x:Class="Lab\_4\_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\_4\_WPF"

        mc:Ignorable="d"

        Title="MainWindow" Height="200" Width="400"

        Background="White">

    <Grid>

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            <RowDefinition Height="Auto"/>

            <RowDefinition Height="Auto"/>

            <RowDefinition Height="Auto"/>

            <RowDefinition Height="\*"/>

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        <TextBox x:Name="t1"/>

        <TextBox x:Name="t2" Grid.Row="1" Text="{Binding ElementName=t1, Path=Text}"/>

        <Slider x:Name="slider1" Grid.Row="2" Minimum="1" Maximum="100"/>

        <Slider x:Name="slider2" Grid.Row="3" Value="{Binding ElementName=slider1, Path=Value}"/>

        <TextBox x:Name="fontSizeInput" Grid.Row="4" Text="{Binding ElementName=slider1, Path=Value, Mode=TwoWay}"/>

        <TextBlock Grid.Row="5" Text="Sample Text" FontSize="{Binding ElementName=slider1, Path=Value}"/>

    </Grid>

    <Window.Triggers>

        <EventTrigger RoutedEvent="Slider.ValueChanged" SourceName="slider1">

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                    <DoubleAnimation Storyboard.TargetName="t1" Storyboard.TargetProperty="FontSize" To="{Binding ElementName=slider1, Path=Value}" Duration="0:0:0"/>

                    <DoubleAnimation Storyboard.TargetName="t2" Storyboard.TargetProperty="FontSize" To="{Binding ElementName=slider1, Path=Value}" Duration="0:0:0"/>

                    <DoubleAnimation Storyboard.TargetName="fontSizeInput" Storyboard.TargetProperty="FontSize" To="{Binding ElementName=slider1, Path=Value}" Duration="0:0:0"/>

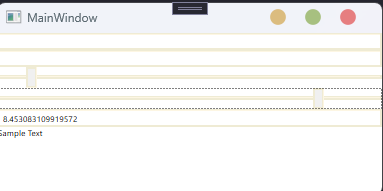
                </Storyboard>

            </BeginStoryboard>

        </EventTrigger>

    </Window.Triggers>

</Window>



Задание 2

<Window x:Class="Lab\_8\_WPF.MainWindow"

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        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\_8\_WPF"

        mc:Ignorable="d"

        Title="Текстовый редактор" Height="450" Width="800">

    <Canvas>

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            <Button Margin="2">Копировать</Button>

            <Button Margin="2">Вырезать</Button>

            <Button Margin="2">Вставить</Button>

            <ListBox Width="190" Height="100" Margin="3 10">

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                <ListBoxItem Content="RenderTransform.AngleX"/>

                <ListBoxItem Content="RenderTransform.AngleY"/>

                <ListBoxItem Content="RenderTransform.CenterX"/>

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                <ListBoxItem Content="RenderTransform.X"/>

                <ListBoxItem Content="RenderTransform.Y"/>

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                <TransformGroup>

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                    <ScaleTransform x:Name="Wrap\_Scale1" ScaleX="0.6" ScaleY="0.65"/>

                    <TranslateTransform x:Name="Wrap\_Translate1"/>

                </TransformGroup>

            </WrapPanel.RenderTransform>

            <WrapPanel.Triggers>

                <EventTrigger RoutedEvent="GotFocus">

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                        <Storyboard>

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Skew1" Storyboard.TargetProperty="AngleX"  To="0" Duration="0:0:2"/>

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Skew1" Storyboard.TargetProperty="AngleY"  To="0"  Duration="0:0:2"/>

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate1" Storyboard.TargetProperty="X"  To="250"  Duration="0:0:2" />

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate1" Storyboard.TargetProperty="Y"  To="-170"  Duration="0:0:2" />

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                    </BeginStoryboard>

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                <EventTrigger RoutedEvent="LostFocus">

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Skew1" Storyboard.TargetProperty="AngleY"  To="15"  Duration="0:0:2"/>

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Scale1" Storyboard.TargetProperty="ScaleY"  To="0.65"  Duration="0:0:2"/>

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate1" Storyboard.TargetProperty="X"  To="0"  Duration="0:0:2" />

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate1" Storyboard.TargetProperty="Y"  To="0"  Duration="0:0:2" />

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            </WrapPanel.Triggers>

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                    <TranslateTransform  x:Name="Wrap\_Translate2"/>

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            <WrapPanel.Triggers>

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Scale2" Storyboard.TargetProperty="ScaleX"  To="1"  Duration="0:0:2"/>

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate2" Storyboard.TargetProperty="Y"  To="-200"  Duration="0:0:2" />

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Scale2" Storyboard.TargetProperty="ScaleX"  To="0.6"  Duration="0:0:2"/>

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Scale2" Storyboard.TargetProperty="ScaleY"  To="0.65"  Duration="0:0:2"/>

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate2" Storyboard.TargetProperty="X"  To="0"  Duration="0:0:2" />

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate2" Storyboard.TargetProperty="Y"  To="0"  Duration="0:0:2" />

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            </WrapPanel.Triggers>

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate3" Storyboard.TargetProperty="Y"  To="-260"  Duration="0:0:2" />

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                <EventTrigger RoutedEvent="LostFocus">

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Scale3" Storyboard.TargetProperty="ScaleY"  To="0.65"  Duration="0:0:2"/>

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate3" Storyboard.TargetProperty="X"  To="0"  Duration="0:0:2" />

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate3" Storyboard.TargetProperty="Y"  To="0"  Duration="0:0:2" />

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                <ListBoxItem Content="RenderTransform.AngleX"/>

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                <ListBoxItem Content="RenderTransform.Y"/>

                <ListBoxItem Content="RenderTransform.ScaleX"/>

                <ListBoxItem Content="RenderTransform.ScaleY"/>

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                    <TranslateTransform  x:Name="Wrap\_Translate4"/>

                </TransformGroup>

            </WrapPanel.RenderTransform>

            <WrapPanel.Triggers>

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate4" Storyboard.TargetProperty="Y"  To="-230"  Duration="0:0:2" />

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Scale4" Storyboard.TargetProperty="ScaleY"  To="0.65"  Duration="0:0:2"/>

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate4" Storyboard.TargetProperty="X"  To="0"  Duration="0:0:2" />

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate4" Storyboard.TargetProperty="Y"  To="0"  Duration="0:0:2" />

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            </WrapPanel.Triggers>

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                    <ScaleTransform x:Name="Wrap\_Scale5" ScaleX="0.6" ScaleY="0.65"/>

                    <TranslateTransform x:Name="Wrap\_Translate5" />

                </TransformGroup>

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate5" Storyboard.TargetProperty="Y"  To="-190"  Duration="0:0:2" />

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                            <DoubleAnimation Storyboard.TargetName="Wrap\_Scale5" Storyboard.TargetProperty="ScaleY"  To="0.65"  Duration="0:0:2"/>

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate5" Storyboard.TargetProperty="X"  To="0"  Duration="0:0:2" />

                            <DoubleAnimation Storyboard.TargetName="Wrap\_Translate5" Storyboard.TargetProperty="Y"  To="0"  Duration="0:0:2" />

                        </Storyboard>

                    </BeginStoryboard>

                </EventTrigger>

            </WrapPanel.Triggers>

        </WrapPanel>

    </Canvas>

</Window>

