Министерство образования и молодежной политики Свердловской области

ГАПОУ СО «Екатеринбургский колледж транспортного строительства»

Отчет по ТРПО. Лабораторная работа   
**Пользовательские элементы в WPF-приложениях**

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2024

<Window x:Class="Lab\_11.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\_11"

        mc:Ignorable="d"

        Title="MainWindow" Height="450" Width="800">

    <Window.Resources>

        <Style TargetType="local:Element">

            <Style.Triggers>

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

                    <Trigger.Setters>

                        <Setter Property="Panel.ZIndex" Value="99" />

                    </Trigger.Setters>

                </Trigger>

            </Style.Triggers>

        </Style>

    </Window.Resources>

    <ScrollViewer>

        <WrapPanel>

            <local:Element x:Name="Stack1" />

            <local:Element x:Name="Stack2"/>

            <local:Element x:Name="Stack3" />

            <local:Element x:Name="Stack4" />

            <local:Element x:Name="Stack5" />

            <local:Element x:Name="Stack6" />

            <local:Element x:Name="Stack7" />

            <local:Element x:Name="Stack8" />

            <local:Element x:Name="Stack9"/>

        </WrapPanel>

    </ScrollViewer>

</Window>

namespace Lab\_11

{

    public partial class MainWindow : Window

    {

        public MainWindow()

        {

            InitializeComponent();

            Stack1.image.Source = new BitmapImage(new Uri("Images/1.jpg", UriKind.Relative));

            Stack1.textbox.Text = "https://ejin.ru/wp-content/uploads/2017/09/20-416.jpg";

            Stack2.image.Source = new BitmapImage(new Uri("Images/2.jpg", UriKind.Relative));

            Stack2.textbox.Text = "https://sportishka.com/uploads/posts/2022-11/1667569036\_10-sportishka-com-p-samie-krasivie-vidi-prirodi-oboi-11.jpg";

            Stack3.image.Source = new BitmapImage(new Uri("Images/3.jpg", UriKind.Relative));

            Stack3.textbox.Text = "https://sportishka.com/uploads/posts/2022-09/1662113988\_35-sportishka-com-p-krasivaya-priroda-gori-krasivo-41.jpg";

            Stack4.image.Source = new BitmapImage(new Uri("Images/4.jpeg", UriKind.Relative));

            Stack4.textbox.Text = "https://w.forfun.com/fetch/c3/c381b81581e7923c4a0a869bf895c1c9.jpeg";

            Stack5.image.Source = new BitmapImage(new Uri("Images/5.jpg", UriKind.Relative));

            Stack5.textbox.Text = "https://fikiwiki.com/uploads/posts/2022-02/1644855636\_51-fikiwiki-com-p-kartinki-khd-kachestva-54.jpg";

            Stack6.image.Source = new BitmapImage(new Uri("Images/6.jpeg", UriKind.Relative));

            Stack6.textbox.Text = "https://w.forfun.com/fetch/3e/3e4ea4a1826bf50b6fafa67dbdbb668c.jpeg";

            Stack7.image.Source = new BitmapImage(new Uri("Images/7.jpeg", UriKind.Relative));

            Stack7.textbox.Text = "https://w.forfun.com/fetch/61/61b955329b11551431249c8e448c124a.jpeg";

            Stack8.image.Source = new BitmapImage(new Uri("Images/8.jpg", UriKind.Relative));

            Stack8.textbox.Text = "https://mykaleidoscope.ru/x/uploads/posts/2022-10/1666374445\_6-mykaleidoscope-ru-p-priroda-ozero-oboi-6.jpg";

            Stack9.image.Source = new BitmapImage(new Uri("Images/9.jpg", UriKind.Relative));

            Stack9.textbox.Text = "https://gas-kvas.com/uploads/posts/2023-02/1675432690\_gas-kvas-com-p-fonovii-risunok-rabochego-stola-hd-48.jpg";

        }

    }

}

<UserControl x:Class="Lab\_11.Element"

             xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

             xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

             xmlns:mc="http://schemas.openxmlformats.org/markup-compatibility/2006"

             xmlns:d="http://schemas.microsoft.com/expression/blend/2008"

             xmlns:local="clr-namespace:Lab\_11"

             mc:Ignorable="d"

             d:DesignHeight="450" d:DesignWidth="800">

    <StackPanel Width="170" Margin="20" Background="White">

        <StackPanel.Effect>

            <BlurEffect x:Name="blur\_1"></BlurEffect>

        </StackPanel.Effect>

        <StackPanel.Triggers>

            <EventTrigger RoutedEvent="MouseLeave">

                <BeginStoryboard>

                    <Storyboard>

                        <DoubleAnimation Storyboard.TargetName="blur\_1" Storyboard.TargetProperty="Radius" To="5" Duration="0:0:1" />

                        <DoubleAnimation Storyboard.TargetName="scale\_1" Storyboard.TargetProperty="ScaleX" To="1" Duration="0:0:1" />

                        <DoubleAnimation Storyboard.TargetName="scale\_1" Storyboard.TargetProperty="ScaleY" To="1" Duration="0:0:1" />

                    </Storyboard>

                </BeginStoryboard>

            </EventTrigger>

        </StackPanel.Triggers>

        <TextBox x:Name="textbox" >https://ejin.ru/wp-content/uploads/2017/09/20-416.jpg</TextBox>

        <Image Width="170" Height="190" x:Name="image" Source="Images/1.jpg">

            <Image.Triggers>

                <EventTrigger RoutedEvent="MouseEnter">

                    <BeginStoryboard>

                        <Storyboard>

                            <DoubleAnimation Storyboard.TargetName="blur\_1" Storyboard.TargetProperty="Radius" To="0" Duration="0:0:1" />

                            <DoubleAnimation Storyboard.TargetName="scale\_1" Storyboard.TargetProperty="ScaleX" To="1.75" Duration="0:0:1" />

                            <DoubleAnimation Storyboard.TargetName="scale\_1" Storyboard.TargetProperty="ScaleY" To="1.75" Duration="0:0:1" />

                        </Storyboard>

                    </BeginStoryboard>

                </EventTrigger>

            </Image.Triggers>

            <Image.RenderTransform>

                <RotateTransform  x:Name="rotate" CenterX="85" CenterY="55"/>

            </Image.RenderTransform>

        </Image>

        <StackPanel Orientation="Horizontal">

            <Button  Background="White" Width="30" Height="30" Margin="35 0">

                <Image Source="Images/left.png">

                    <Image.Triggers>

                        <EventTrigger RoutedEvent="MouseLeftButtonDown" >

                            <BeginStoryboard>

                                <Storyboard>

                                    <DoubleAnimation Storyboard.TargetName="rotate" Storyboard.TargetProperty="Angle" By="-90" Duration="0:0:0.1"/>

                                </Storyboard>

                            </BeginStoryboard>

                        </EventTrigger>

                    </Image.Triggers>

                </Image>

            </Button>

            <Button Background="White" Width="30" Height="30">

                <Image Source="Images/right.png">

                    <Image.Triggers>

                        <EventTrigger RoutedEvent="MouseLeftButtonDown" >

                            <BeginStoryboard>

                                <Storyboard>

                                    <DoubleAnimation Storyboard.TargetName="rotate" Storyboard.TargetProperty="Angle" By="90" Duration="0:0:0.1"/>

                                </Storyboard>

                            </BeginStoryboard>

                        </EventTrigger>

                    </Image.Triggers>

                </Image>

            </Button>

        </StackPanel>

        <StackPanel.RenderTransform>

            <TransformGroup>

                <ScaleTransform x:Name="scale\_1" ScaleX="1" ScaleY="1" />

            </TransformGroup>

        </StackPanel.RenderTransform>

    </StackPanel>

</UserControl>

