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Lab 14

This is a lab I worked on when learning about the Model View Controller.

Main Window:

```xml
<NavigationWindow x:Class="DubeLab14.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:DubeLab14"
        mc:Ignorable="d"
        Title="Lab14" Height="500" Width="350" Source="Lab14HomePage.xaml">
</NavigationWindow>
```

```csharp
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 DubeLab14
{
    /// <summary>
    /// Interaction logic for MainWindow.xaml
    /// </summary>
    public partial class MainWindow : NavigationWindow
    {
        public MainWindow()
        {
            InitializeComponent();
        }
    }
}
```

Home Page:

```xml
<Page x:Class="DubeLab14.Page1"
      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:DubeLab14"
      mc:Ignorable="d"
      d:DesignHeight="450" d:DesignWidth="800"
      Title="Lab14 - Home">

    <Grid Margin="10, 0, 10, 10">
        <Grid.ColumnDefinitions>
            <ColumnDefinition />
            <ColumnDefinition Width="230" />
        </Grid.ColumnDefinitions>
        <Grid.RowDefinitions>
            <RowDefinition Height="Auto"/>
            <RowDefinition />
            <RowDefinition />
            <RowDefinition Height="Auto"/>
        </Grid.RowDefinitions>
        <Grid.Background>
            <ImageBrush ImageSource="AthensLogo.png"/>
        </Grid.Background>

        <ListBox Name="peopleListBox" Grid.Column="1" Grid.Row="1"
MouseDoubleClick="peopleListBox_MouseDoubleClick">
            <ListBoxItem>Mike</ListBoxItem>
            <ListBoxItem>Lisa</ListBoxItem>
            <ListBoxItem>John</ListBoxItem>
            <ListBoxItem>Mary</ListBoxItem>
        </ListBox>
        <Button Grid.Column="1" Grid.Row="1" Margin="0,10,0,0" Width="125"
Height="25" HorizontalAlignment="Right" Click="Button_Click">View</Button>
        <Label>View Student</Label>
    </Grid>
</Page>
```

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
```

```csharp
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 DubeLab14
{
    /// <summary>
    /// Interaction logic for Page1.xaml
    /// </summary>
    public partial class Page1 : Page
    {
        public Page1()
        {
            InitializeComponent();
        }

        private void Button_Click(object sender, RoutedEventArgs e)
        {
            Page2 viewPage = new Page2();
            object i = peopleListBox.SelectedItem;
            ListBoxItem lbi =
(ListBoxItem)(peopleListBox.ItemContainerGenerator.ContainerFromItem(i));
            viewPage.tbViewTextBox.Text = "More Work Pending for " +
                (lbi.Content.ToString()) + ".";
            this.NavigationService.Navigate(viewPage);
        }

        private void peopleListBox_MouseDoubleClick(object sender, MouseButtonEventArgs
e)
        {
            Page3 rPage = new Page3();
            object i = peopleListBox.SelectedItem;
            ListBoxItem lbi =
(ListBoxItem)(peopleListBox.ItemContainerGenerator.ContainerFromItem(i));
            rPage.reportBox.Text = "This is the report page for " +
                (lbi.Content.ToString()) + ".";
            this.NavigationService.Navigate(rPage);
        }
    }
}
```

View Page:

```xml
<Page x:Class="DubeLab14.Page2"
      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:DubeLab14"
```

```
        mc:Ignorable="d"
        d:DesignHeight="450" d:DesignWidth="800"
        Title="Lab14 - View">

    <Grid Margin="10, 0, 10, 10">
        <Grid.ColumnDefinitions>
            <ColumnDefinition />
            <ColumnDefinition Width="230" />
        </Grid.ColumnDefinitions>
        <Grid.RowDefinitions>
            <RowDefinition Height="Auto"/>
            <RowDefinition />
            <RowDefinition />
            <RowDefinition Height="Auto"/>
        </Grid.RowDefinitions>
        <Grid.Background>
            <ImageBrush ImageSource="AthensLogo.png"/>
        </Grid.Background>
        <TextBox x:Name="tbViewTextBox" Grid.Row="2" Grid.Column="2"></TextBox>
    </Grid>
</Page>


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 DubeLab14
{
    /// <summary>
    /// Interaction logic for Page2.xaml
    /// </summary>
    public partial class Page2 : Page
    {
        public Page2()
        {
            InitializeComponent();
        }
    }
}
```

Report page:

```
<Page x:Class="DubeLab14.Page3"
```

```
        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:DubeLab14"
        mc:Ignorable="d"
        d:DesignHeight="450" d:DesignWidth="800"
        Title="Page3">

    <Grid Margin="10, 0, 10, 10">
        <TextBox Name="reportBox" Grid.Column="0" Grid.Row="1"></TextBox>
    </Grid>
</Page>




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 DubeLab14
{
    /// <summary>
    /// Interaction logic for Page3.xaml
    /// </summary>
    public partial class Page3 : Page
    {
        public Page3()
        {
            InitializeComponent();
        }
    }
}
```

Athens logo:

```
<Application x:Class="DubeLab14.App"
             xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
             xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
             xmlns:local="clr-namespace:DubeLab14"
             StartupUri="MainWindow.xaml">
    <Application.Resources>

    </Application.Resources>
</Application>
```

More Work Pending for Mike.

Lab14

This is the report page for John.