CUIComsats University Islamabad (Vehari Campus)



Academic Year 22-27
Department: CS

Topic of Lab Assignment 2:

" Employee Registration Form"

Student Name:

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Subject:

Visual Programming

Batch: "19"

Teacher Name:

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1. Main Window. xaml.cs:

```
using System.Windows;

namespace lab_assignment_2
{
    public partial class MainWindow : Window
    {
        public EmployeeViewModel ViewModel { get; set; }
        public MainWindow()
        {
            InitializeComponent();
            ViewModel = new EmployeeViewModel();
            this.DataContext = ViewModel;
        }
    }
}
```

2.Binding with EmployeeViewModel.cs:

```
using System.ComponentModel;
using System.Text.RegularExpressions;
namespace lab_assignment_2
    {\tt public} \ {\tt class} \ {\tt EmployeeViewModel} \ : \ {\tt INotifyPropertyChanged}, \ {\tt IDataErrorInfo}
        private string name;
        private int age;
        private string email;
        private string department;
        public string Name
            get => name;
            set { name = value; OnPropertyChanged(nameof(Name)); }
            get => age;
            set { age = value; OnPropertyChanged(nameof(Age)); }
        public string Email
            set { email = value; OnPropertyChanged(nameof(Email)); }
        public string Department
            get => department;
```

3. Main Window. xaml:

```
<Window x:Class="lab_assignment_2.MainWindow"</pre>
        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:local="clr-namespace:lab_assignment_2"
        xmlns:sys="clr-namespace:System;assembly=mscorlib"
       mc:Ignorable="d"
       Title="Employee Registration" Height="550" Width="500" WindowStartupLocation="CenterScreen"
       Background="#f5f7fa">
    <Window.Resources>
       <!-- Style for Label -->
       <Style TargetType="Label">
           <Setter Property="FontWeight" Value="SemiBold"/>
           <Setter Property="Margin" Value="5,10,5,0"/>
           <Setter Property="FontSize" Value="14"/>
       <Style TargetType="TextBox" x:Key="HintTextBox">
           <Setter Property="Margin" Value="5"/>
            <Setter Property="Padding" Value="6"/>
           <Setter Property="BorderBrush" Value="#ccc"/>
           <Setter Property="BorderThickness" Value="1"/>
           <Setter Property="Background" Value="White"/>
           <Setter Property="FontSize" Value="14"/>
       <!-- Button Style -->
        <Style TargetType="Button">
           <Setter Property="Template">
```

```
<ControlTemplate TargetType="Button">
                    <Border x:Name="border" Background="#0078D7" CornerRadius="8" Padding="10">
                        <ContentPresenter HorizontalAlignment="Center" VerticalAlignment="Center"/>
                   </Border>
                    <ControlTemplate.Triggers>
                            <Setter TargetName="border" Property="Background" Value="#005A9E"/>
                        </Trigger>
           </Setter.Value>
       <Setter Property="Foreground" Value="White"/>
       <Setter Property="Margin" Value="10"/>
        <Setter Property="FontSize" Value="15"/>
   </Style>
   <!-- Departments -->
   <x:Array x:Key="Departments" Type="{x:Type sys:String}">
       <sys:String>HR</sys:String>
       <sys:String>Finance</sys:String>
       <sys:String>Engineering</sys:String>
       <sys:String>Marketing</sys:String>
           <TextBlock Foreground="Red" DockPanel.Dock="Bottom" FontSize="12"</pre>
                      Text="{Binding [0].ErrorContent}" Margin="5,0,5,2"/>
           <AdornedElementPlaceholder/>
       </DockPanel>
   </ControlTemplate>
</Window.Resources>
<ScrollViewer VerticalScrollBarVisibility="Auto">
   <StackPanel Margin="30">
       <TextBlock Text="Employee Registration" FontSize="26" FontWeight="Bold"</pre>
                  HorizontalAlignment="Center" Margin="0,10,0,20" Foreground="#2c3e50"/>
       <Label Content="Full Name"/>
                 Text="{Binding Name, UpdateSourceTrigger=PropertyChanged, ValidatesOnDataErrors=True}"
                 ToolTip="Enter full name"
       <Label Content="Age"/>
                 Text="{Binding Age, UpdateSourceTrigger=PropertyChanged, ValidatesOnDataErrors=True}"
       <Label Content="Email Address"/>
       <TextBox Style="{StaticResource HintTextBox}"
                 Text="{Binding Email, UpdateSourceTrigger=PropertyChanged, ValidatesOnDataErrors=True}"
       <!-- Department -->
       <Label Content="Department"/>
       <ComboBox ItemsSource="{StaticResource Departments}"</pre>
                 Margin="5" FontSize="14" Padding="4"
       <!-- Submit Button -->
       <Button Content="Register" Width="150" Height="40" HorizontalAlignment="Center"/>
       <!-- Animated Rectangle -->
        <Rectangle Height="25" Margin="0,30,0,0">
           <Rectangle.Fill>
                <SolidColorBrush Color="#bdc3c7"/>
           </Rectangle.Fill>
            <Rectangle.Triggers>
```

4. Outputs:





