Day 9

The one link you need to recall

https://ddls.to/20483



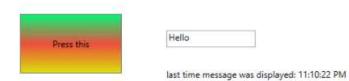
Do this every day BEFORE the class starts (takes about 15 minutes) (http://ddls.to/everyday)

- 1. Launch Lab01.
- 2. Login to Lab01 as Admin.
- 3. While in the Lab01 environment,
 - i. run cmd.exe from the Windows Start button.
 - ii. Run the command git clone --depth 1 https://github.com/Mark-AIICT/CAD-2.git C:\Users\Admin\Desktop\MarksFiles
 - iii. Navigate to C:\Users\Admin\Desktop\MarksFiles\setups, then right-mouse click bootstrap.cmd and run as administrator
 - iv. While it's running, Sign in to Visual Studio on the Lab Environment. You can use any Microsoft account.
 - v. When the script end it reboots the Virtual Machine. That's necessary.
 - vi. Save the lab. (the save link is at the top right of the screen in the dropdown menu)

Course Outline

- Module 1: Review of Visual C# Syntax
- Module 2: Creating Methods, Handling Exceptions, and Monitoring Applications
- Module 3: Basic Types and Constructs of Visual C#
- Module 4: Creating Classes and Implementing Type-Safe Collections
- Module 5: Creating a Class Hierarchy by Using Inheritance
- Module 6: Reading and Writing Local Data
- Module 7: Accessing a Database
- Module 8: Accessing Remote Data (I'm replacing this with a better module)
- Module 9: Designing the User Interface for a Graphical Application
- Module 10: Improving Application Performance and Responsiveness
- Module 11: Integrating with Unmanaged Code
- Module 12: Creating Reusable Types and Assemblies
- Module 13: Encrypting and Decrypting Data

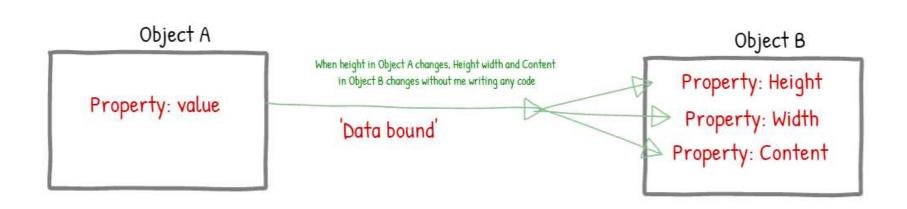


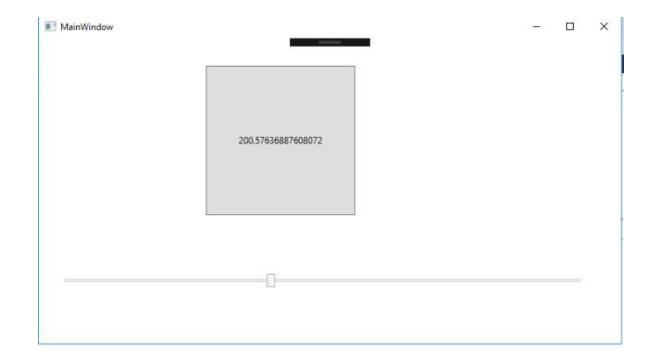




Lesson 1: Using XAML to Design a User Interface

- Introducing XAML
- Common Controls
- Setting Control Properties
- Handling Events
- Using Layout Controls
- Creating User Controls





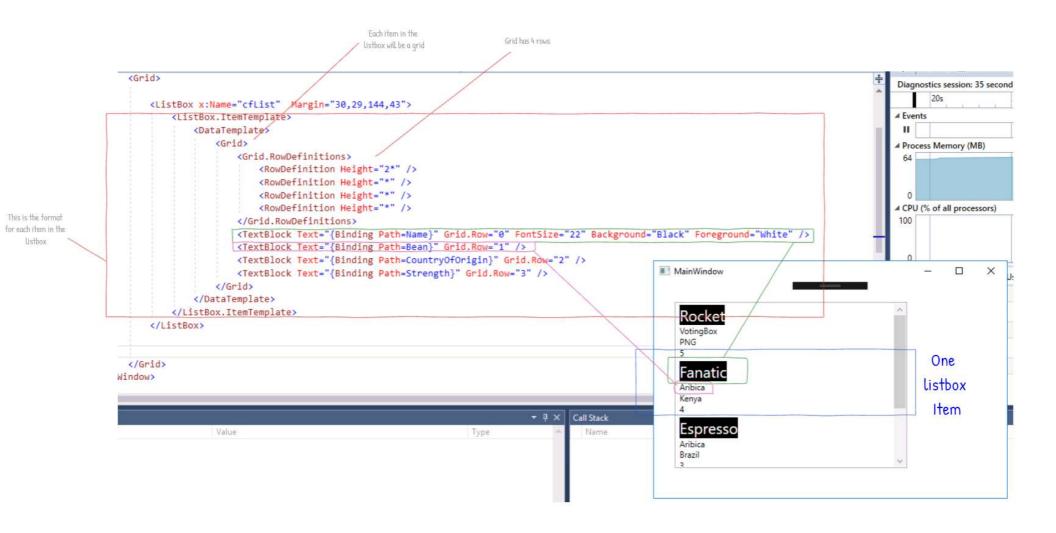
Lesson 2: Binding Controls to Data

- Intoduction to Data Binding
- Binding Controls to Data in XAML
- Binding Controls to Data in Code
- Binding Controls to Collections
- Creating Data Templates

Creates an instance of a Coffee object MainWindow MainWindow XAML Fourth Coffee Quencher <Window.Resources> <local:Coffee x:Key="coffee1" Name="Fourth Coffee Quencher"</pre> Bean="Arabica" Fourth Coffee Quencher CountryOfOrigin="Brazil" Arabica Strength="3" ></local:Coffee> Brazil </Window, Resources> (Grid) Rocket|Riffle|PNG|5 <TextBlock Background="Yellow" Text="{Binding Source {StaticResource coffee1}, Path=Name}" Mapgin="0,0,0 <StackPanel Background="Gray" Margin="0,53\0,194"> <StackPanel.DataContext> <Binding Source="{StaticResource coffee1}" /: </StackPanel DataContext> <TextBlock Text="{Binding Path=Name}" /> Rocket <TextBlock Text="{Binding Path=Bean}" /> <TextBlock Text="{Binding Path=CountryOfOrigin}" /> <TextBlock Text="{Binding Path=Strength}" /> </StackPanel> <StackPanel Background="LightGreen" x:Name="SPH" Margin="0,148,0,99" Orientation="Horizontal"> <TextBlock Text="{Binding Path=Name}" /> <TextBlock Text=" | "/> <TextBlock Text="{Binding Path=Bean}" /> <TextBlock Text="|"/> <TextBlock Text="{Binding Path=CountryOfOrigin}" /> Classes.cs <TextBlock Text="|"/> <TextBlock Text="{Binding Path=Strength}" /> public class Coffee public string Name { get; set; } <TextBlock Background="Coral" x:Name="TB" Margin="0,246,0,32" /> </Grid> public string Bean { get; set; } public string CountryOfOrigin { get; set; }

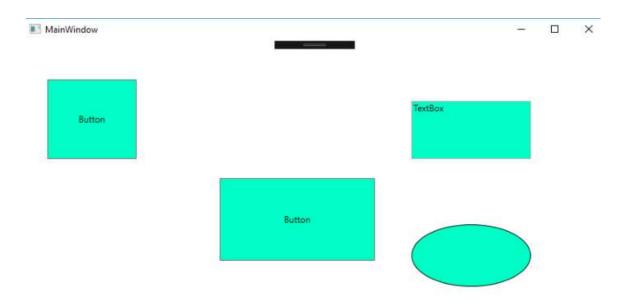
public string Strength { get; set; }

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Lesson 3: Styling a UI

- Creating Reusable Resources in XAML
- Defining Styles as Resources
- Using Property Triggers
- Creating Dynamic Transformations



```
| Window x:Class="_00f_SolidColorBrushRes.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:_00f_SolidColorBrushRes"
| mc:Ignorable="d"
| Title="MainWindow" Height="450" Width="800">
| Window.Resources>
| <SolidColorBrush x:Key="MyBrush" Color="#FF00FFC5"/>
| </Window.Resources>
| </writted>
| Color="#FF00FFC5"/>
| 
| Color="#FF00FFC5"/>
| 
| Color="#FF00FFC5"/>
| 
| | Color="#FF00FFC5"/>
| 
|
```





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