

Working with WPF Controls



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Introduction

We will be going over the following components

Button

Label

TextBox

ListBox

Image

TextBlock



Buttons



Button Properties

```
<Button Name="value" Content=" value "  
HorizontalAlignment="Left, Right" Height="89"  
Margin="10,10,0,0" VerticalAlignment="Top, Bottom"  
Width="#" Background="#FFFFFFF"  
Foreground="#FFFDFFD" FontSize="#"  
FontWeight="Normal, Bold" />
```

More Details at:

[https://msdn.microsoft.com/en-us/library/system.windows.controls.button_properties\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.windows.controls.button_properties(v=vs.110).aspx)



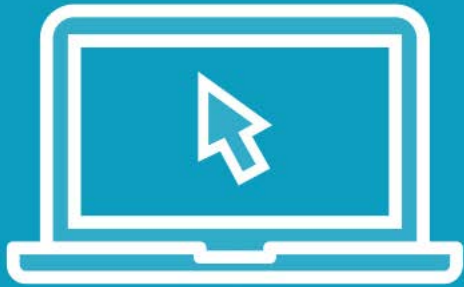
```
<Button Content="Click Here" HorizontalAlignment="Left"  
VerticalAlignment="Top" Height="39" Width="128" Margin="65,201,0,0"  
ClickMode="Press" Opacity="0.5"/>
```

Button Creation

The above shows the XAML for creating a 39X128 button.



Demo



Add in a Button Control
Review Properties



Labels



Label Properties

```
<Label Name="value" Content=" value "  
HorizontalAlignment="Left, Right" Height="89"  
Margin="10,10,0,0" VerticalAlignment="Top, Bottom"  
Width="#" Background="#FFFFFFF"  
Foreground="#FFFDFFD" FontSize="#"  
FontWeight="Normal, Bold" />
```

More Details at:

[https://msdn.microsoft.com/en-us/library/system.windows.controls.label\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.windows.controls.label(v=vs.110).aspx)



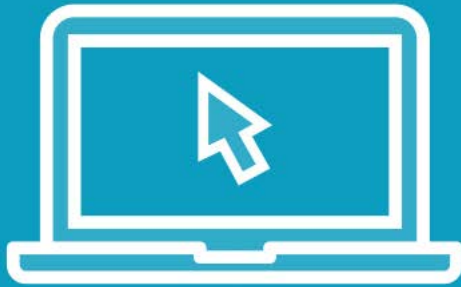

```
<Label Name="Label1" Content="Hello World!" HorizontalAlignment="Left"  
VerticalAlignment="Top" Margin="23,10,0,0" Height="27" Width="152"  
FontWeight="Bold" FontSize="14"/>
```

Label

Labels are the quickest way to allow the User to know what each controls function is, what information they should input, what additional information is provided.



Demo



Add in a Label Control

Review Properties



TextBox



TextBox Properties

```
<TextBox Name="value" HorizontalAlignment="Left,  
Right" Height="89" Margin="10,10,0,0"  
VerticalAlignment="Top, Bottom" Width="#"  
FontSize="#" FontWeight="Normal, Bold"  
TextWrapping = "Wrap,NoWrap" MinLines="#"  
MaxLength="#" />
```

More Details at:

[https://msdn.microsoft.com/en-us/library/system.windows.controls.textbox\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.windows.controls.textbox(v=vs.110).aspx)



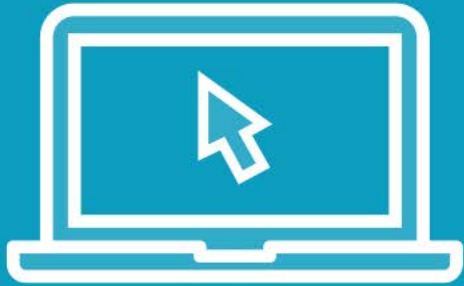
```
<TextBox Name="TextBox1" HorizontalAlignment="Left"  
VerticalAlignment="Top" Height="165" Width="497" Margin="10,144,0,0"  
TextWrapping="Wrap" Text="Enter your text here" FontWeight="Bold"  
SpellCheck.IsEnabled="True" MaxLines="12" MaxLength="200"/>
```

TextBox

TextBoxes allow us to create Inputs and Outputs of text information. TextBoxes can be single or multiline and can even be read-only if needed.



Demo



Add in a TextBox Control
Review Properties



ListBox



ListBox Properties

```
<ListBox Name="value" Content=" value "  
HorizontalAlignment="Left, Right" Height="89"  
Margin="10,10,0,0" VerticalAlignment="Top, Bottom"  
Width="#" Background="#FFFFFFF"  
Foreground="#FFFDFFD" FontSize="#"  
FontWeight="Normal, Bold" />
```

[https://msdn.microsoft.com/en-us/library/system.windows.controls.listbox\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.windows.controls.listbox(v=vs.110).aspx)



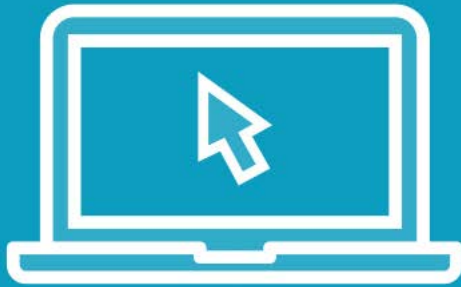

```
<ListBox Name="ListBox1" HorizontalAlignment="Left" Height="24"  
Margin="175,42,0,0" VerticalAlignment="Top" Width="175" >  
    <ListBoxItem Content="First" />  
</ListBox>
```

ListBox

A ListBox is a great way to give users a quick way to choose a specific item from a list of items.



Demo



Add in a ListBox Control
Review Properties



Image



Image Properties

```
<Image Name="value" Source=" PATH "  
HorizontalAlignment="Left, Right" Height="#"  
Margin="#,#,#,#" VerticalAlignment="Top, Bottom"  
Width="#" />
```

More Details at:

[https://msdn.microsoft.com/en-us/library/system.windows.controls.image_properties\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.windows.controls.image_properties(v=vs.110).aspx)



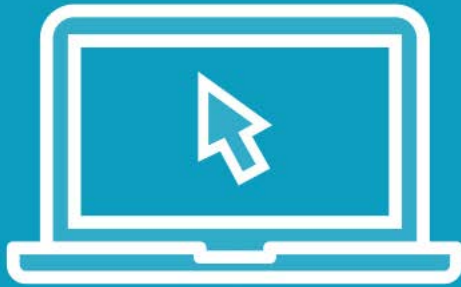
```
<Image Name="Image1" HorizontalAlignment="Left" Height="223"  
Margin="127,56,0,0" VerticalAlignment="Top" Width="250"  
Source="C:\Users\JAdkin\Pictures\PowerShell.png" Stretch="Fill"/>
```

Image

An Image is worth a thousand words. It is also great for branding, doing KPI's, and anything graphical you can think of (as long as it is a 2D Image).



Demo



Add in a Image Control
Review Properties



TextBlock



TextBlock Properties

```
<TextBlock Name="value"  
HorizontalAlignment="Left, Right" Height="89"  
Margin="#,#,#,#" VerticalAlignment="Top, Bottom"  
Width="#" Background="#FFFFFF"  
Foreground="#FFDFDFD" FontSize="#"  
FontWeight="Normal, Bold" TextWrapping=  
"Wrap,NoWrap,WrapWithOverflow" Text="text"/>
```

More Details at:

[https://msdn.microsoft.com/en-us/library/system.windows.controls.textblock_properties\(v=vs.110\).aspx](https://msdn.microsoft.com/en-us/library/system.windows.controls.textblock_properties(v=vs.110).aspx)



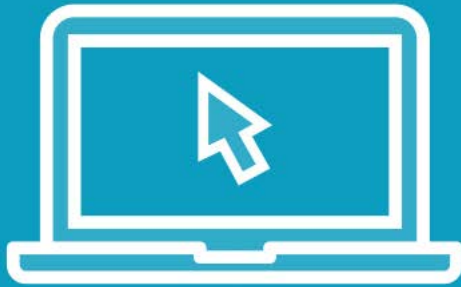

```
<TextBlock HorizontalAlignment="Left" Height="111" Margin="46,35,0,0"  
TextWrapping="Wrap" VerticalAlignment="Top" Width="117" Text="Lets add  
in some useful Information:" />
```

TextBlock

A TextBlock is almost the same as a Label except it has the ability to multiline text.



Demo



Add in a TextBlock Control
Review Properties

