[C# WPF Tutorial #16 – Expander](https://www.youtube.com/watch?v=wJT5L3WzQek&list=PLih2KERbY1HHOOJ2C6FOrVXIwg4AZ-hk1&index=16)

A screenshot of a computer

Description automatically generated

Full Code Below:

MainWindow.xaml

<Window x:Class="\_16\_WPF\_Tutorial\_v1.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:\_16\_WPF\_Tutorial\_v1"

mc:Ignorable="d"

Title="MainWindow" Height="400" Width="400">

<Grid Grid.Row="1">

<Grid.ColumnDefinitions>

<ColumnDefinition/>

<ColumnDefinition Width="auto"/>

</Grid.ColumnDefinitions>

<StackPanel Background="LightSkyBlue">

<TextBlock Text="Name"

FontSize="16"

/>

<Expander Header="More Details">

<TextBlock Text="Description"

FontSize="16"

/>

</Expander>

<Button x:Name="btnDetails"

Width="100"

Height="25"

Content="Details"

Click="btnDetails\_Click"

/>

</StackPanel>

<Expander Name="expanderDetails"

Background="DarkGray"

BorderThickness="0"

Grid.Column="1"

ExpandDirection="Left">

<Rectangle Fill="DarkGray"

Width="125"

/>

</Expander>

</Grid>

</Window>

MainWindow.xaml.cs

using System.Windows;

namespace \_16\_WPF\_Tutorial\_v1

{

public partial class MainWindow : Window

{

public MainWindow()

{

InitializeComponent();

}

private void btnDetails\_Click(object sender, RoutedEventArgs e)

{

expanderDetails.IsExpanded = !expanderDetails.IsExpanded;

}

}

}

# Start new WPF solution in Visual Studio.

A black screen with white text

Description automatically generated

A black rectangular object with a black background

Description automatically generated

# Name it:

A screenshot of a computer

Description automatically generated

# Starting point. Code looks like this initially.

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

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

xmlns:local="clr-namespace:\_16\_WPF\_Tutorial\_v1"

mc:Ignorable="d"

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

<Grid>

</Grid>

</Window>

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

xmlns:local="clr-namespace:\_16\_WPF\_Tutorial\_v1"

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<ColumnDefinition Width="auto"/>

</Grid.ColumnDefinitions>

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