tutorial

Windows App SDK

Command Bar

Command Bar

Command Bar shows how you can use the **CommandBar** with the **Windows App SDK** allowing for a standard-looking interface to perform actions or access options within an Application.

Step 1

Follow **Setup and Start** on how to get **Setup** and **Install** what you need for **Visual Studio 2022** and **Windows App SDK**.

In **Windows 11** choose **Start** and then find or search for **Visual Studio 2022** and then select it.

Once **Visual Studio 2022** has started select **Create a new project**.
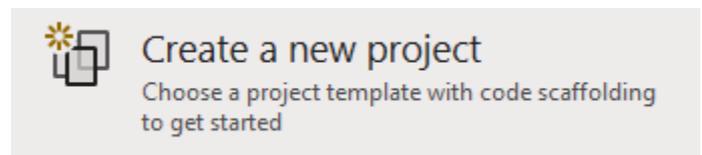
Then choose the **Blank App, Packages (WinUI in Desktop)** and then select **Next**.

After that in **Configure your new project** type in the **Project name** as *CommandBar*, then select a Location and then select **Create** to start a new **Solution**.
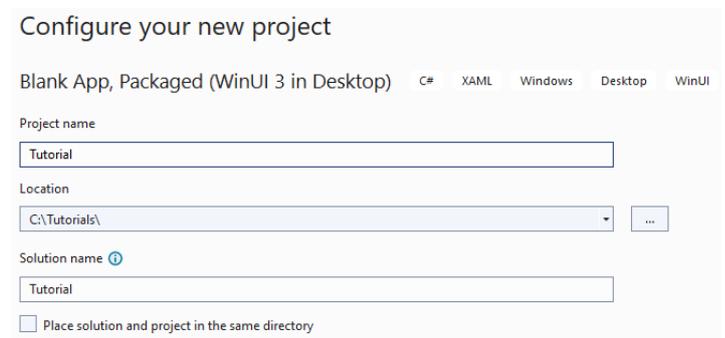
Step 2

Within **Solution Explorer** for the **Solution** and double-click on **MainWindow.xaml** to see the **XAML** for the **Main Window**.
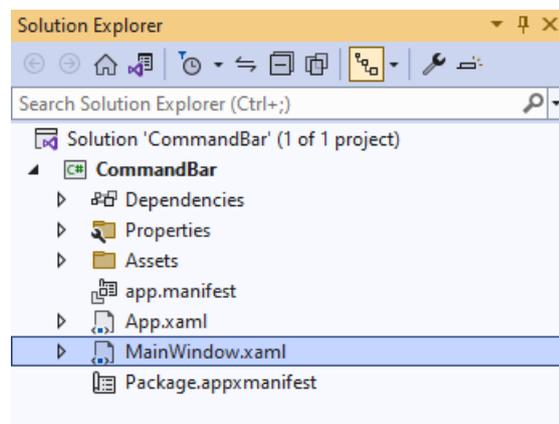
Step 3

In the **XAML** for **MainWindow.xaml** there be some **XAML** for a `StackPanel`, this should be **Removed** by removing the following:

```xml
<StackPanel Orientation="Horizontal"
HorizontalAlignment="Center" VerticalAlignment="Center">
    <Button x:Name="myButton" Click="myButton_Click">Click Me</Button>
</StackPanel>
```

Step 4

While still in the **XAML** for **MainWindow.xaml** above `</Window>`, type in the following **XAML**:

```xml
<CommandBar IsOpen="True" IsSticky="True" VerticalAlignment="Bottom">
    <CommandBar.SecondaryCommands>
        <AppBarButton Name="Hide" Icon="Cancel"
        Visibility="Collapsed" Label="Hide Other" Click="Toggle_Click"/>
    </CommandBar.SecondaryCommands>
    <AppBarButton Name="Toggle" Icon="Accept" AccessKey="T"
    Label="Toggle Other" Click="Toggle_Click"/>
</CommandBar>
```

CommandBar is a **Control** that can contain **AppBarButton**, in this case one for *Toggle Other* which will be used to show or hide another **AppBarButton** for *Hide Other* in the **SecondaryCommands**, which are displayed under a **Menu** on the **CommandBar** indicated with **…**
The **AppBarButton** for *Toggle Other* also has an **AccessKey** of *T* to it can be triggered with a **Click** or by pressing **Alt** and then **T** on the keyboard.

Step 5

Then, within **Solution Explorer** for the **Solution** select the arrow next to **MainWindow.xaml** then double-click on **MainWindow.xaml.cs** to see the **Code** for the **Main Window**.
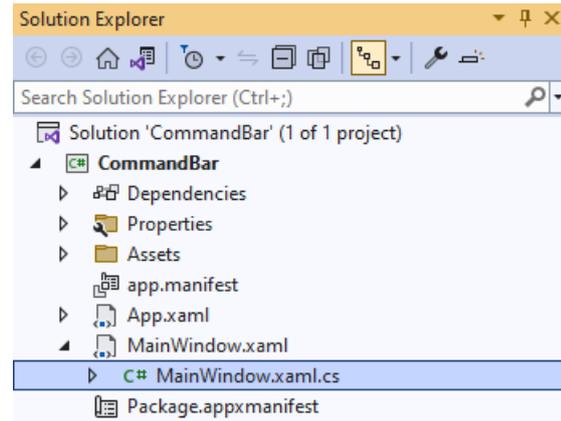
Step 6

In the **Code** for **MainWindow.xaml.cs** there be a **Method** of `myButton_Click(...)` this should be **Removed** by removing the following:

```csharp
private void myButton_Click(object sender, RoutedEventArgs e)
{
    myButton.Content = "Clicked";
}
```

Step 7

Once `myButton_Click(...)` has been removed, below the end of **public MainWindow() { ... }** type in the following **Code**:

```csharp
private void Toggle_Click(object sender, RoutedEventArgs e)
{
    if (Hide.Visibility == Visibility.Collapsed)
    {
        Hide.Visibility = Visibility.Visible;
    }
    else
    {
        Hide.Visibility = Visibility.Collapsed;
    }
}
```

The **Method** of `Toggle_Click` will be triggered when the **AppBarButton** of *Toggle Other* or *Hide Other* is **Clicked** it can also be triggered by pressing **Alt** and then **T** on the keyboard. It will check the value of the **Visibility** of **AppBarButton** for **Hide**, if this is **Collapsed** or it is hidden, it will set it to **Visible** which will mean it can be seen, otherwise it will do the opposite and hide it to make it **Collapsed** again.

Step 8

That completes the **Windows App SDK** application. In **Visual Studio 2022** from the **Toolbar** select **CommandBar (Package)** to **Start** the application.

▶ CommandBar (Package) ▾

Step 9

Once running you should see an **AppBarButton** with the Text *Toggle Other* along with ... which is where the **SecondaryCommands** for *Hide Other* would be displayed.

✓
Toggle
Other   ...
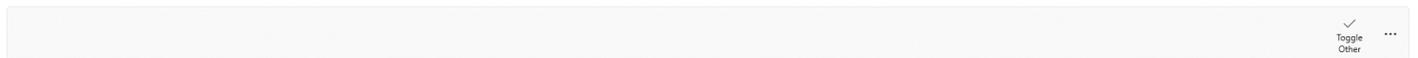
Step 10

If you **Click** on the **AppBarButton** with the Text *Toggle Other* or press **Alt** and then **T** this will **Toggle** the **AppBarButton** of *Hide Other* when **...** is **Clicked** you can also **Click** on *Hide Other* to hide itself.
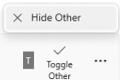
Step 11

To **Exit** the **Windows App SDK** application, select the **Close** button from the top right of the application as that concludes this **Tutorial** for **Windows App SDK** from tutorialr.com!