

## .NET MAUI Project, Item Templates and Code Snippets

This VS extension is loaded with Project, Item Templates and Code Snippets for working with .NET MAUI in Visual Studio 2022.

This has Project Template for the following:

- .NET MAUI App (Preview 14) – All All-in-One App Project Template. For more details check out this [blog post](#)
- .NET MAUI App (C#) (Preview 14)
- .NET MAUI Class Library (Preview 14)

And reg. Item templates (find them in the section titled **MAUI**):

**ContentPage**, in both XAML and C#, and has been named as:

- Content Page (.NET MAUI)
- Content Page (C#) (.NET MAUI)

**ContentView**, in both XAML and C#, and has been named as:

- Content View (.NET MAUI)
- Content View (C#) (.NET MAUI)

**Shell**, a page for defining app visual hierarchy along with navigation.

**ResourceDictionary**, a page for managing resources, in both XAML and XAML only (as its the C# code-behind is used rarely).

### Has XAML Code Snippets for:

In the XAML page, type the short name and hit the Tab key twice to insert the snippet.

Snippets mentioned in bold-face also works as a **SurroundWith** snippet too (from **Xaml** section).

In the Output Format column, text highlighted in different colors infer the following:

- **Yellow** color are placeholders where user can modify the values
- **Green** color are derived values, can't be modified. For example, containing class name
- **Turquoise** color are reflected values, where the placeholder value is filled-in

Snippet	Short Name	Output Format
Grid	grid	<Grid ColumnDefinitions="" RowDefinitions=""> </Grid>
Flex Layout	flex	<FlexLayout> </FlexLayout>
Stack Layout	stack	<StackLayout> </StackLayout>
Horizontal Stack Layout	hstack	<HorizontalStackLayout> </HorizontalStackLayout>
Vertical Stack Layout	vstack	<VerticalStackLayout> </VerticalStackLayout>
Style	style	<Style TargetType="Page"> <Style>
Color	color	<Color x:Key="Success">Green</Color>
Resources	res	<ContentPage.Resources> <ResourceDictionary> </ResourceDictionary> </ContentPage.Resources>
Gestures	gesture	<Label.GestureRecognizers> </Label.GestureRecognizers>
Tap Gesture Recognizer	tap	<TapGestureRecognizer />
Drag Gesture Recognizer	drag	<DragGestureRecognizer />
Drop Gesture Recognizer	drop	<DropGestureRecognizer />

Snippet	Short Name	Output Format
Pan Gesture Recognizer	pan	<PanGestureRecognizer />
Pinch Gesture Recognizer	pinch	<PinchGestureRecognizer />
Swipe Gesture Recognizer	swipe	<SwipeGestureRecognizer />
Blazor Web View	bwv	<b>&lt;b:BlazorWebView</b> HostPage="wwwroot/index.html"> <b>&lt;b:BlazorWebView.RootComponents&gt;</b> <b>&lt;b:RootComponent</b> ComponentType="{x:Type }" Selector="#app" /> <b>&lt;/b:BlazorWebView.RootComponents&gt;</b> <b>&lt;/b:BlazorWebView&gt;</b>
.NET MAUI Blazor Namespace	mb	xmlns:b="clr- namespace:Microsoft.AspNetCore.Components.WebView.Maui ;assembly=Microsoft.AspNetCore.Components.WebView.Maui"
WPF Blazor Namespace	wb	xmlns:b="clr- namespace:Microsoft.AspNetCore.Components.WebView.Wpf ;assembly=Microsoft.AspNetCore.Components.WebView.Wpf"

Has C# Code Snippets for:

In the C# code file, type the short name and hit the Tab key twice to insert the snippet.

Snippets mentioned in bold-face also works as a **SurroundWith** snippet too (from **CSharp** section).

In the Output Format column, text highlighted in different colors infer the following:

- **Yellow** color are placeholders where user can modify the values
- **Green** color are derived values, can't be modified. For example, containing class name
- **Turquoise** color are reflected values, where the placeholder value is filled-in

Snippet	Short Name	Output Format
Async Event Handler	<b>ae</b> <b>h</b>	<pre>private async void <b>MyMethod</b>(object sender, EventArgs e) { }</pre>
Attached Property	<b>propap</b>	<p>Here assuming <b>MyClass</b> is the containing type.</p> <pre>public static readonly BindableProperty <b>NameProperty</b> = BindableProperty.CreateAttached(nameof(<b>NameProperty</b>), typeof(<b>string</b>), typeof(<b>MyClass</b>), default(<b>string</b>));  public static string Get<b>Name</b>(BindableObject bindable) =&gt; (<b>string</b>)bindable.GetValue(<b>NameProperty</b>);  public static void Set<b>Name</b>(BindableObject bindable, <b>string</b> value) =&gt; bindable.SetValue(<b>NameProperty</b>, value);</pre>
Bindable Property	<b>propbp</b>	<p>Here assuming <b>MyClass</b> is the containing type.</p> <pre>public static readonly BindableProperty <b>NameProperty</b> = BindableProperty.Create(nameof(<b>Name</b>), typeof(<b>string</b>), typeof(<b>MyClass</b>), default(<b>string</b>));  public string <b>Name</b> { get =&gt; (string)GetValue(<b>NameProperty</b>); set =&gt; SetValue(<b>NameProperty</b>, value); }</pre>
Comet Property (MVU)	<b>propc</b>  (This has been shortened to <b>propc</b> from <b>propcomet</b> )	<pre>public <b>string Name</b> { get =&gt; GetProperty&lt;<b>string</b>&gt;(); set =&gt; SetProperty(value); }</pre>
Cross Platform	<b>cp</b>  (This has been updated to <b>cp</b> from	<pre>#if ANDROID #elif IOS #elif MACCATALYST</pre>

Snippet	Short Name	Output Format
	<b>xplat)</b>	#elif WINDOWS  #endif
<b>Event Handler</b>	<b>eh</b>	private void <b>MyMethod</b> (object sender, EventArgs e)  {  }
<b>Method</b>	<b>method</b>	private <b>void</b> <b>MyMethod</b> ()  {  }
<b>Async Method</b>	<b>amethod</b>	private async Task <b>MyMethod</b> ()  {  }
<b>Record</b> <b>(C# 9.0 or higher)</b>	<b>record</b>	record <b>MyRecord</b>  {  }
<b>Record Struct</b> <b>(C# 10.0 or higher)</b>	<b><u>rstruct</u></b>  (This has been updated to <b>rstruct</b> from <b>recstruct</b> )	record struct <b>MyRecStruct</b>  {  }
ViewModel Property	<b>propvm</b>	private string <b>name</b> ;  public string <b>Name</b>  {  get => <b>name</b> ;  set => SetProperty(ref <b>name</b> , value);  }

Snippet	Short Name	Output Format
C# Markup Extension Method	cmem	<pre> public static TBindable MyMethod&lt;TBindable&gt;(this TBindable bindable) where TBindable : BindableObject {     return bindable; } </pre>

Note: Currently, these project templates target [.NET MAUI Preview 14 \(VS2022 17.2 Preview 2.0 or later\)](#) and to support further changes in newer .NET MAUI releases, an update to this VS extension will be made available accordingly.