

## .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 MAUI, MAUI Blazor and MAUI Class Library project and it has been named as:

- .NET MAUI App (Preview 10)
- .NET MAUI App (C#) (Preview 10)
- .NET MAUI Blazor App (Preview 10)
- .NET MAUI Class Library (Preview 10)

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)

A page for defining app visual hierarchy with Shell and a page for managing resources with Resource Dictionary, both in XAML.

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
- **Torquoise** color are reflected values, where the placeholder value is filled-in

Snippet	Short Name	Output Format
<b>Grid</b>	<b>grid</b>	<Grid ColumnDefinitions="" RowDefinitions="">

Snippet	Short Name	Output Format
		</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 />
Pan Gesture Recognizer	pan	<PanGestureRecognizer />
Pinch Gesture Recognizer	pinch	<PinchGestureRecognizer />
Swipe Gesture Recognizer	swipe	<SwipeGestureRecognizer />

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
- **Torquoise** color are reflected values, where the placeholder value is filled-in

Snippet	Short Name	Output Format
Async Event Handler	aeH	private async void <b>MyMethod</b> (object sender, EventArgs e)  {  }
Attached Property	propap	<i>Here assuming <b>MyClass</b> is the containing type.</i>  public static readonly BindableProperty <b>Name</b> Property = 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) => ( <b>string</b> )bindable.GetValue( <b>NameProperty</b> );  public static void Set <b>Name</b> (BindableObject bindable, <b>string</b> value) => bindable.SetValue( <b>NameProperty</b> , value);
Bindable Property	proppb	<i>Here assuming <b>MyClass</b> is the containing type.</i>  public static readonly BindableProperty <b>Name</b> Property = BindableProperty.Create(nameof( <b>Name</b> ), typeof( <b>string</b> ), typeof( <b>MyClass</b> ), default( <b>string</b> ));  public string <b>Name</b>  {  get => (string)GetValue( <b>NameProperty</b> );  set => SetValue( <b>NameProperty</b> , value);  }

Snippet	Short Name	Output Format
Comet Property (MVU)	propcomet	<pre> public string Name {     get =&gt; GetProperty&lt;string&gt;();     set =&gt; SetProperty(value); } </pre>
Cross Platform	xplat	<pre> #if ANDROID #elif IOS #elif MACCATALYST #elif WINDOWS #endif </pre>
Event Handler	eh	<pre> private void MyMethod(object sender, EventArgs e) { } </pre>
Method	method	<pre> private method MyMethod() { } </pre>
Record (C# 9.0 or higher)	record	<pre> record MyRecord { } </pre>
Record Struct (C# 10.0 or higher)	recstruct	<pre> Record struct MyRecStruct { } </pre>

Snippet	Short Name	Output Format
ViewModel Property	propvm	<pre> private string name;  public string Name {     get =&gt; name;     set =&gt; SetProperty(ref name, value); } </pre>
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 10 (VS2022 17.1 Preview 1.0) and to support further changes in newer .NET 6 releases, an update to this VS extension will be made available accordingly.