

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

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).

.NET MAUI Custom View and Handler:

- An item template for creating a Custom View and its associated Handler definitions
- Available in both Regular definition with Handler source files in corresponding Platforms folder or Defined with Conditional Definition in a single folder
 - *For conditional compilation, ensure it is enabled for this particular item template to work properly. An additional option provided during project creation*

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	drag	<DragGestureRecognizer />

Snippet	Short Name	Output Format
Recognizer		
Drop Gesture Recognizer	drop	<DropGestureRecognizer />
Pan Gesture Recognizer	pan	<PanGestureRecognizer />
Pinch Gesture Recognizer	pinch	<PinchGestureRecognizer />
Swipe Gesture Recognizer	swipe	<SwipeGestureRecognizer />
Blazor Web View	bwv	<b:BlazorWebView HostPage="wwwroot/index.html"> <b:BlazorWebView.RootComponents> <b:RootComponent ComponentType="{x:Type }" Selector="#app" /> </b:BlazorWebView.RootComponents> </b:BlazorWebView>
.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	ae h	private async void MyMethod (object sender, EventArgs e) { }
Attached Property	propap	<i>Here assuming MyClass is the containing type.</i> public static readonly BindableProperty Name Property = BindableProperty.CreateAttached(nameof(NameProperty), typeof(string), typeof(MyClass), default(string)); public static string Get Name (BindableObject bindable) => (string)bindable.GetValue(NameProperty); public static void Set Name (BindableObject bindable, string value) => bindable.SetValue(NameProperty , value);
Bindable Property	propbp	<i>Here assuming MyClass is the containing type.</i> public static readonly BindableProperty Name Property = BindableProperty.Create(nameof(Name), typeof(string), typeof(MyClass), default(string)); public string Name { get => (string)GetValue(NameProperty); set => SetValue(NameProperty , value); }
Comet Property (MVU)	<u>propc</u> (This has been shortened to propc from propcomet)	public string Name { get => GetProperty< string >(); set => SetProperty(value); }
Cross Platform	<u>cp</u> (This has been	#if ANDROID #elif IOS

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

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

Note: Currently, these project templates target [.NET MAUI GA \(VS2022 17.3 Preview 1.1 or later\)](#) and to support further changes in newer .NET MAUI releases, an update to this VS extension will be made available accordingly.