

# Take a Note of XAML with .NET 8

Peter Bull

DDD North

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black  
marble



{ } NDC Conferences



IdentityServer.com



avanade



QGEMS



# .NET



Cloud



Web



Desktop



Mobile



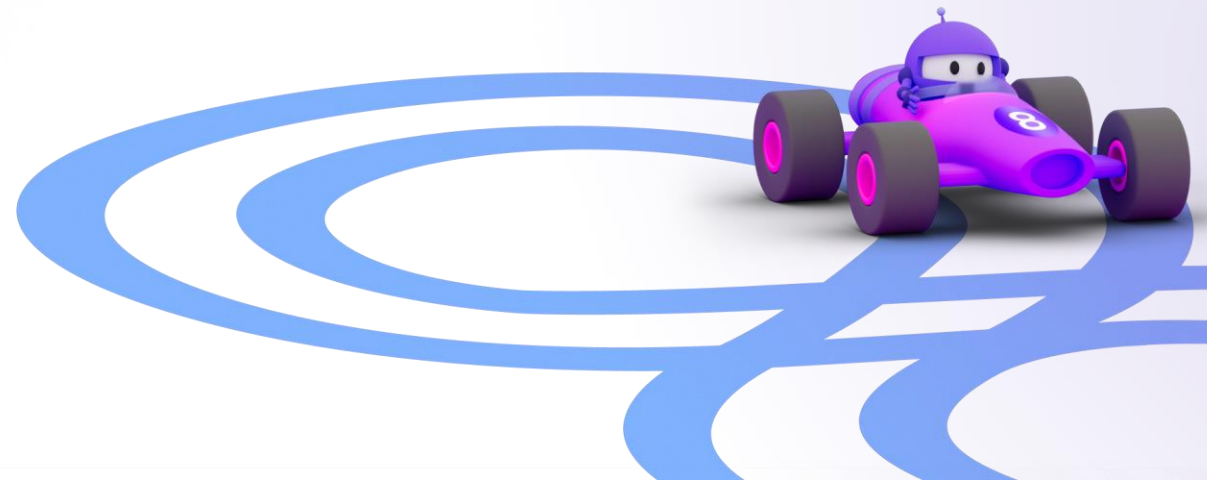
Gaming



IoT



AI



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# .NET 8 & C# 12



Enhanced  
Performance

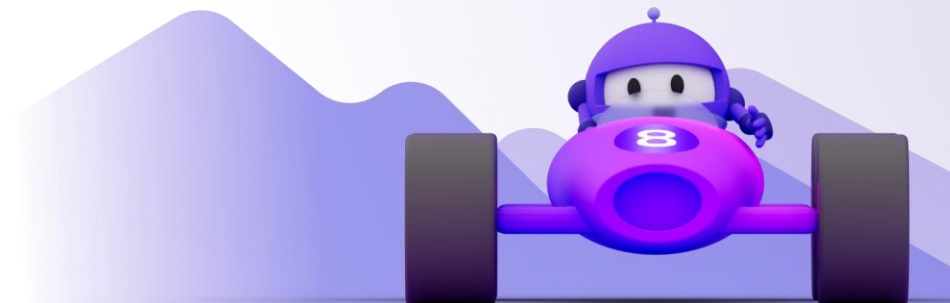


Primary  
Constructors



Collection  
Initialisers

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# XAML



Language

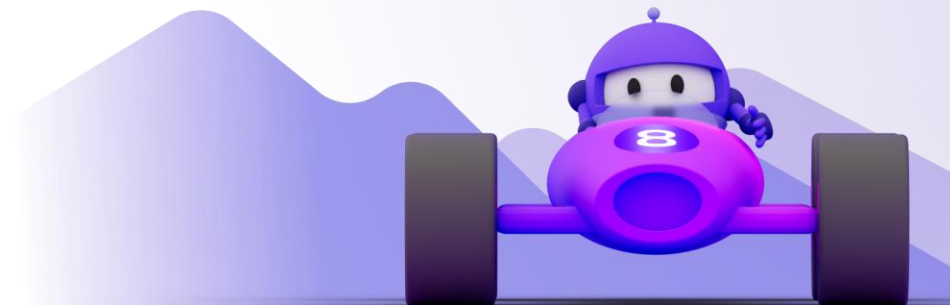


Decouple



Binding

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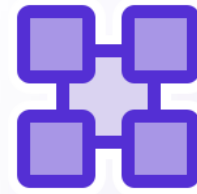
# XAML & .NET Platforms



Windows  
Presentation  
Foundation



Windows  
App SDK



.NET MAUI

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# XAML & .NET Alternatives



Uno  
Platform

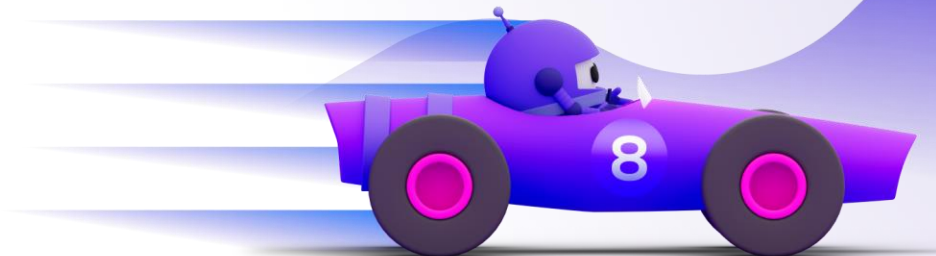


Avalonia  
UI



OpenSilver

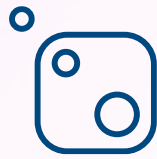
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# XAML & .NET Toolkits



Comentsys  
Toolkit



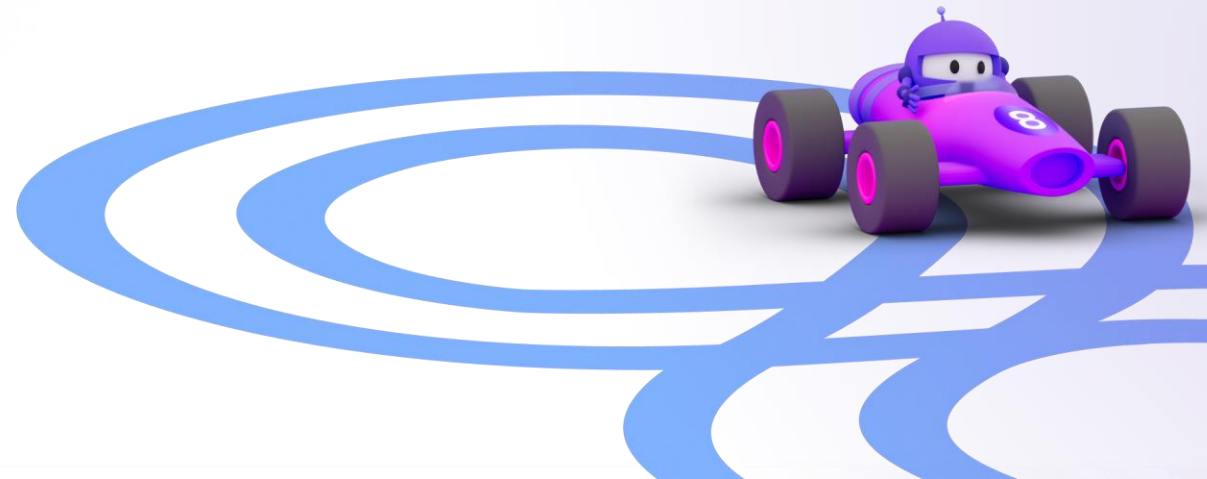
Modern  
WpfUi



Windows  
Community  
Toolkit



.NET MAUI  
Community  
Toolkit



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# Windows Presentation Foundation

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# Features



Design



Media



Hybrid



# Windows Presentation Foundation (WPF Application)



Desktop

[github.com/dotnet/wpf](https://github.com/dotnet/wpf)

Windows Presentation Foundation



WPF Application

A project for creating a .NET WPF Application

C#

Windows

Desktop

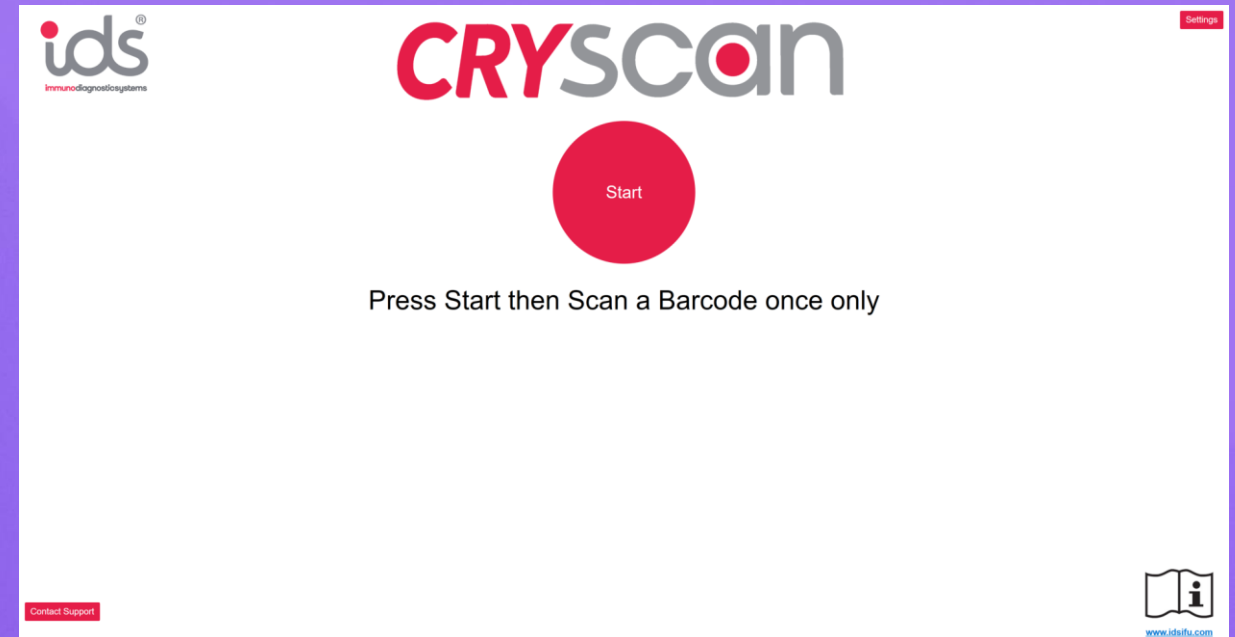
```
<ItemsControl ItemsSource="{Binding Notes}"
ItemTemplate="{StaticResource NoteTemplate}">
  <ItemsControl.ItemsPanel>
    <ItemsPanelTemplate>
      <WrapPanel Orientation="Horizontal" />
    </ItemsPanelTemplate>
  </ItemsControl.ItemsPanel>
</ItemsControl>
```

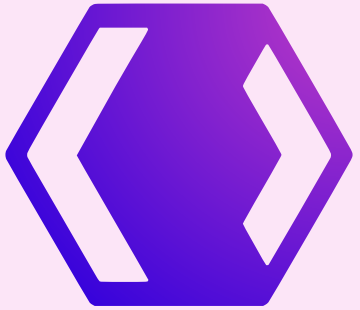


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# IDS CryScan

- Configuration Data
- Scanner Input
- File Output





# Windows App SDK

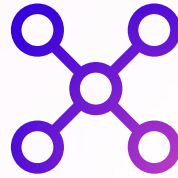
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# Features



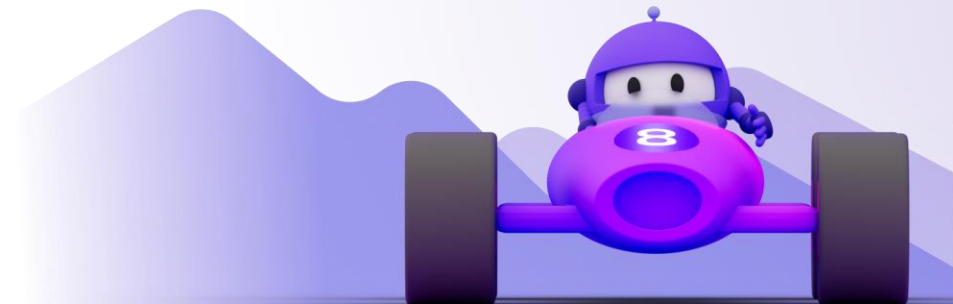
Fluent



APIs



Widgets



# Windows App SDK (Win UI 3 in Desktop)



Desktop

[github.com/microsoft/WindowsAppSDK](https://github.com/microsoft/WindowsAppSDK)

Windows App SDK



Blank App, Packaged (WinUI 3 in Desktop)

A project template for creating a Desktop app based on the Windows UI Library (WinUI 3) along with a MSIX package for side-loading or distribution via the Microsoft Store.

C#

XAML

Windows

Desktop

winui

```
<ItemsControl Grid.Row="1" Margin="10"
    ItemsSource="{Binding Notes}"
    ItemTemplate="{StaticResource NoteTemplate}">
    <ItemsControl.ItemsPanel>
        <ItemsPanelTemplate>
            <ItemsWrapGrid Orientation="Horizontal" />
        </ItemsPanelTemplate>
    </ItemsControl.ItemsPanel>
</ItemsControl>
```

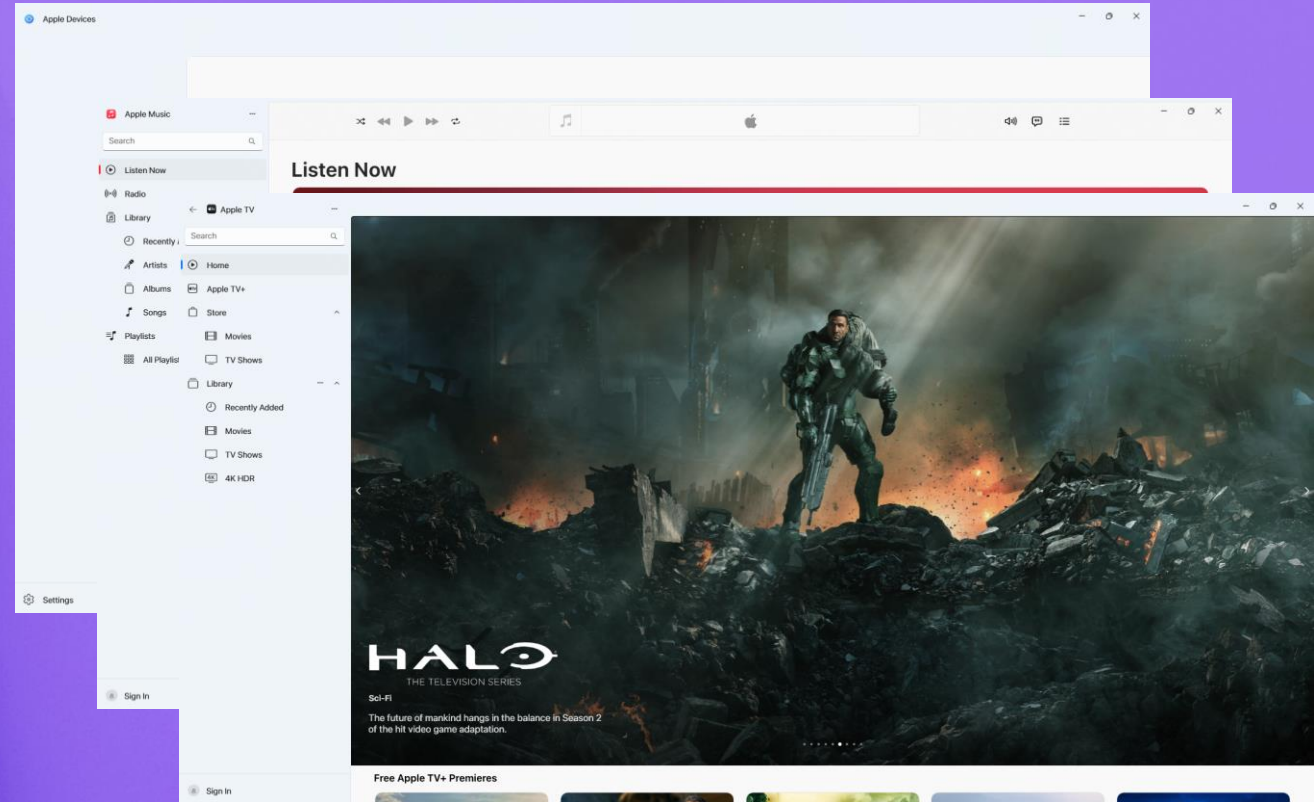




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# Apple Apps

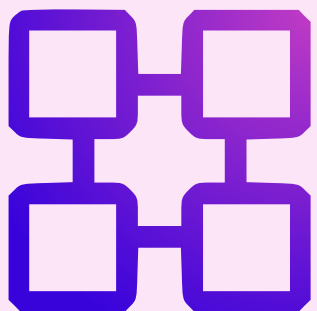
- Apple Devices
- Apple Music
- Apple TV



Windows App SDK

Apple Devices, Apple Music & Apple TV are the property of Apple





# .NET MAUI

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# Features



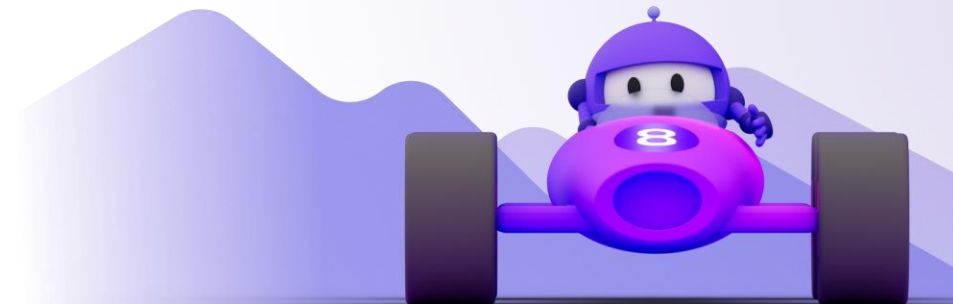
Reload



Platform



Native



# .NET MAUI (.NET MAUI App)



Desktop



Mobile

[github.com/dotnet/maui](https://github.com/dotnet/maui)

.NET MAUI



.NET MAUI App

A project for creating a .NET MAUI application for iOS, Android, Mac Catalyst, WinUI and Tizen

C#

Android

iOS

Mac Catalyst

macOS

MAUI

Tizen

Windows

```
<FlexLayout Wrap="Wrap"
BindableLayout.ItemsSource="{Binding Path=Notes}"
BindableLayout.ItemTemplate="{DynamicResource NoteTemplate}"/>
```

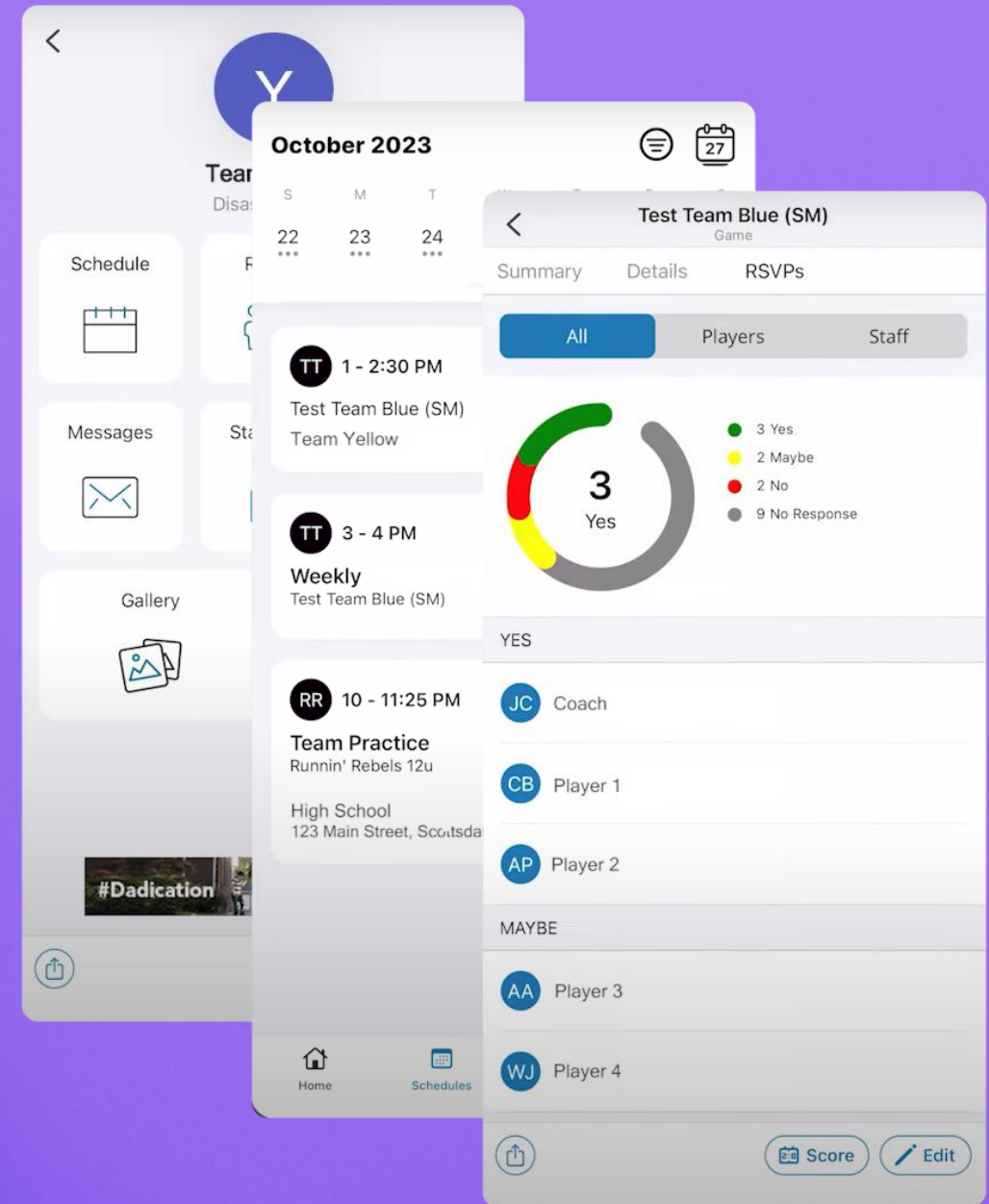


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# Sports Engine

- Team Management
- Events Scheduling
- Check Attendance

.NET MAUI





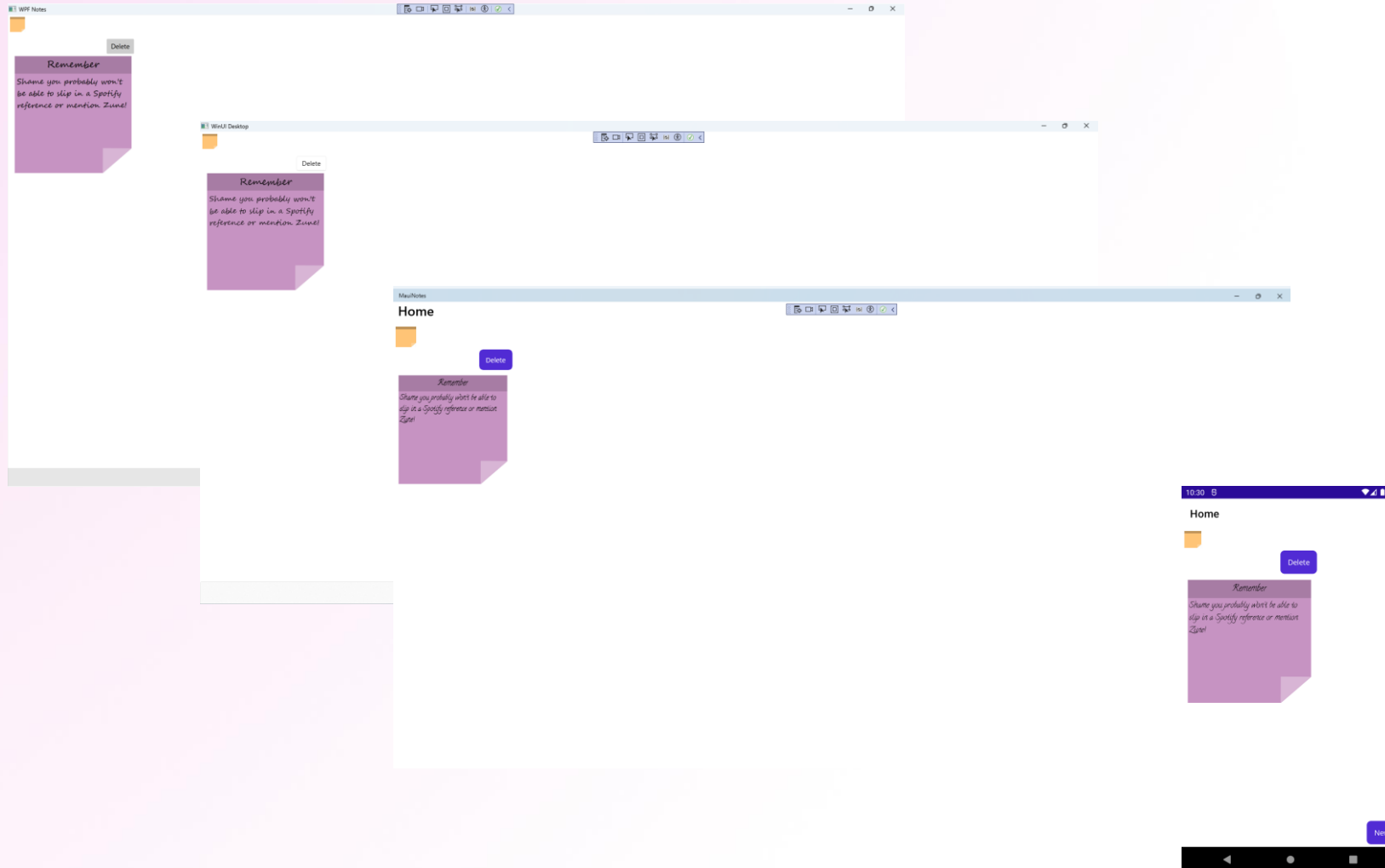
# Demo

XAML Notes



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# XAML Notes



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# Overview

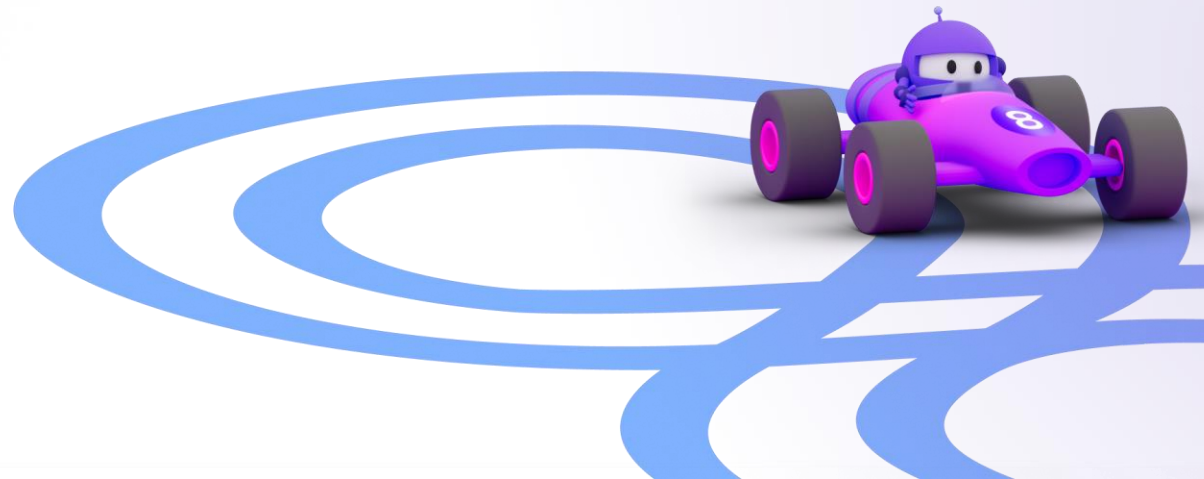
Build modern apps & services for any platform with .NET 8

Create decoupled & data rich applications using XAML

Windows Presentation Foundation for Windows 7 - 11

Windows App SDK for Windows 10 - 11

.NET MAUI for cross-platform apps



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# Peter Bull

.NET Developer living in Gateshead in North East England

Posts, Articles & Podcast – [rogueplanetoid.com](https://rogueplanetoid.com)

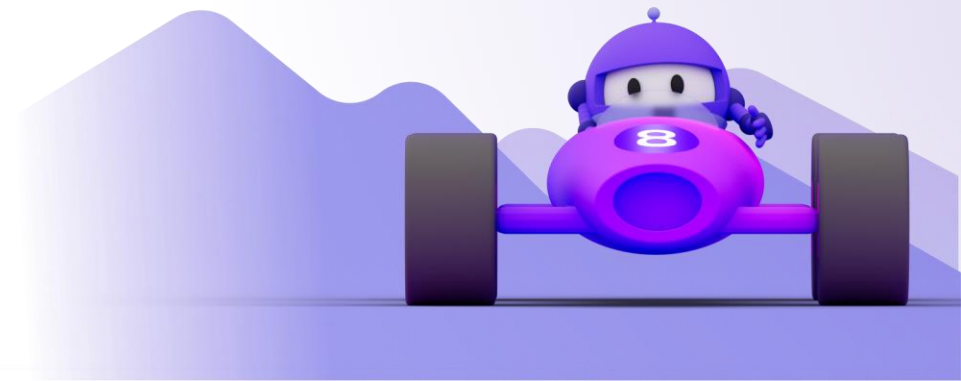
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LinkedIn – [linkedin.com/in/rogueplanetoid](https://linkedin.com/in/rogueplanetoid)

GitHub – [github.com/rogueplanetoid](https://github.com/rogueplanetoid)



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# Any Questions?

Windows Presentation Foundation  
[github.com/dotnet/wpf](https://github.com/dotnet/wpf)

Windows App SDK  
[github.com/microsoft/WindowsAppSDK](https://github.com/microsoft/WindowsAppSDK)

.NET MAUI  
[github.com/dotnet/maui](https://github.com/dotnet/maui)

Slides & Code  
[github.com/rogueplanetoid/takeanoteofxaml](https://github.com/rogueplanetoid/takeanoteofxaml)

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