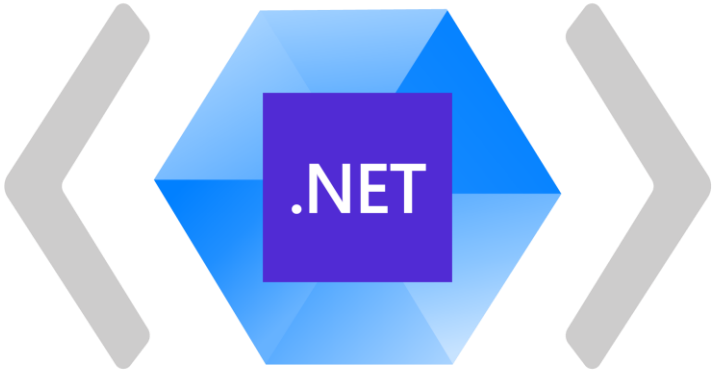
Modern .NET and WPF

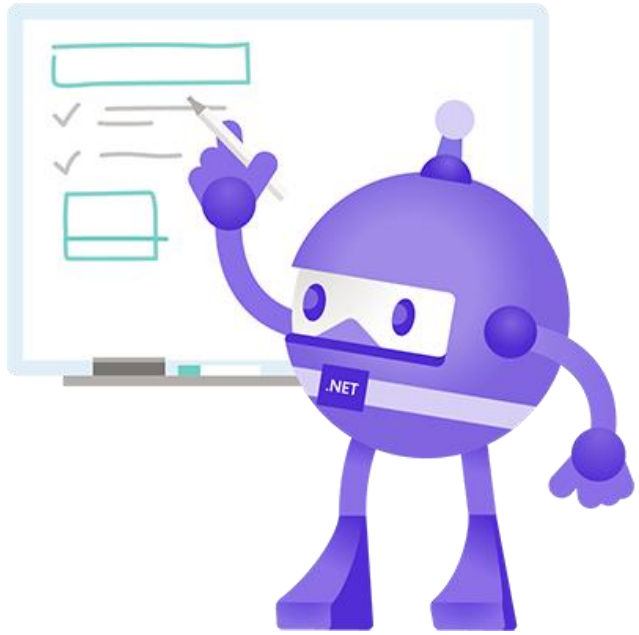


Peter Bull

@RoguePlanetoid

#DDDNorth

About Me



Experienced .NET developer for 20 years using VB.NET, C# and XAML

Professional Developer creating bespoke solutions using .NET

Personal Developer writing tutorials, workshops and packages

github.com/rogueplanetoid/moderndotnetandwpf

comentsys.com

.NET

.NET and C# were both first released twenty years ago

.NET is a free and open-source developer platform

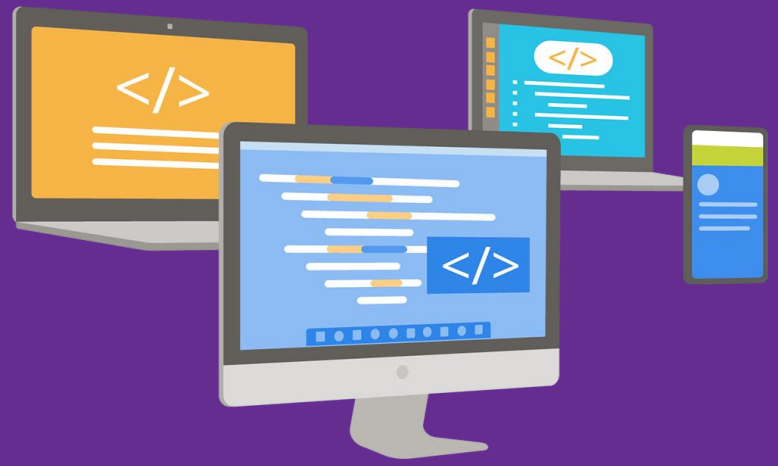
.NET 7 is the latest version released in November

Build apps for any device or platform with .NET

dot.net

Developer!
DeveloperDeveloper
UK Community Events

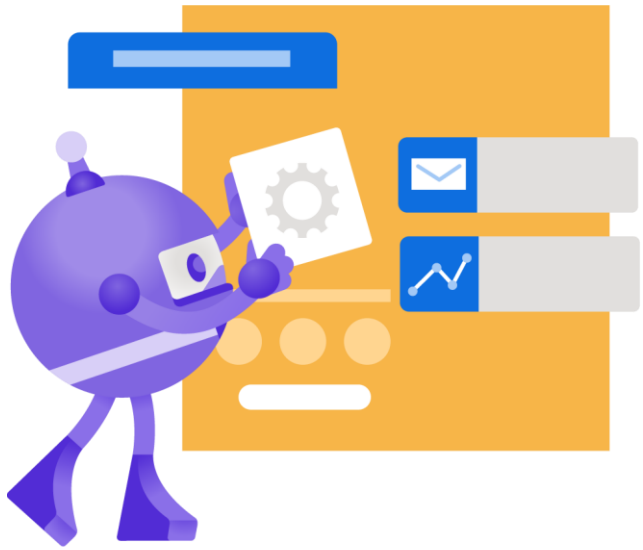
Web Applications



Modern .NET and WPF

.NET

ASP.NET



ASP.NET for web applications and services with .NET and C#

Scalable and faster than other popular web frameworks

ASP.NET Web Apps with MVC and Razor Pages

ASP.NET Web APIs and Minimal APIs

asp.net

Blazor

Blazor allows you to build client web applications using C#

Create interactive web user interfaces without JavaScript

Run code client-side or server-side with Blazor

Build native applications with Blazor Hybrid

blazor.net

Developer!
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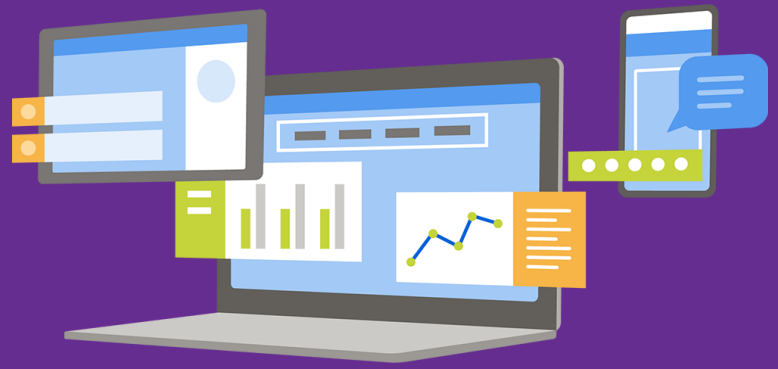
Cross-Platform Applications



Modern .NET and WPF

.NET

Avalonia

Avalonia for high-fidelity write once, run anywhere applications

Leverage WPF skills and bring applications cross-platform

Develop applications in Visual Studio or JetBrains Rider

Create applications for many platforms

avaloniaui.net

Uno Platform

Uno Platform for multi-platform applications using C# and XAML

Leverage C# and XAML skills to modernise apps with WinUI

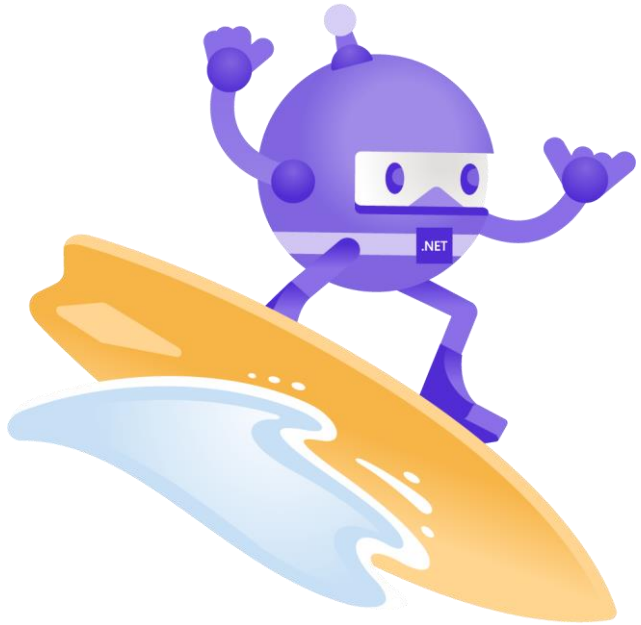
Develop applications using your preferred IDE

Target major operating systems or browsers

platform.uno

Cross-Platform Applications

.NET MAUI



.NET MAUI for cross-platform desktop and mobile apps with C#

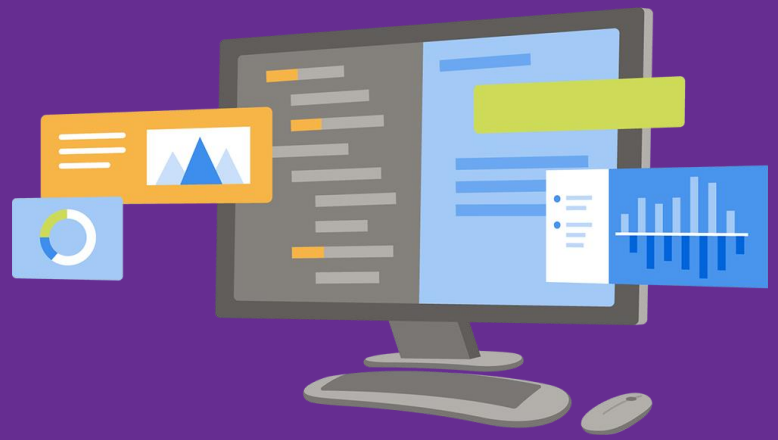
Leverage Xamarin skills and build modern applications

Build native applications or create hybrid experiences

Support creating cross-platform applications

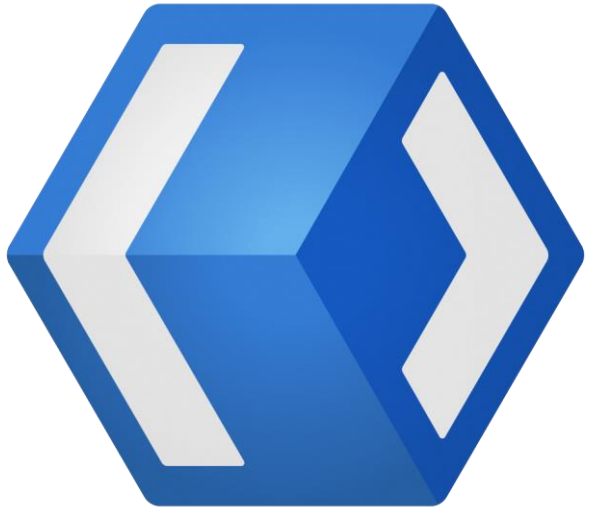
dotnet.microsoft.com/apps/maui

Windows Applications



Modern .NET and WPF

Windows App SDK



Windows App SDK to create the next evolution of Windows apps

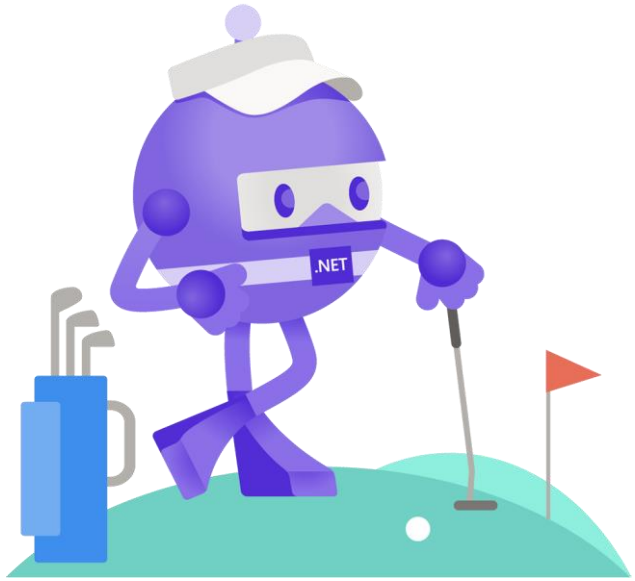
Take your UWP knowledge and apps to the next level

Build native applications for Windows with WinUI

Rapidly evolving platform features

learn.microsoft.com/windows/apps/windows-app-sdk

Windows Forms



Windows Forms has been part of .NET since the start in 2002

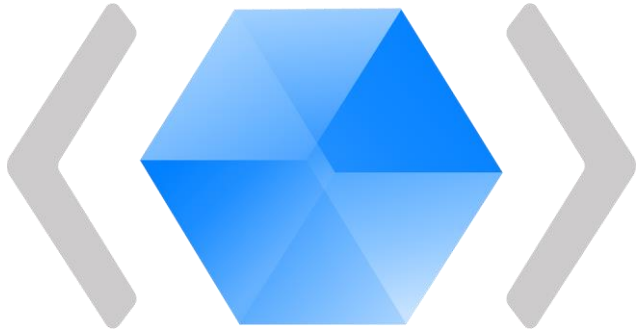
Bring your existing skills and apps to the open-source era

Build native applications or create hybrid experiences

Target latest and greatest or down level if needed

learn.microsoft.com/dotnet/desktop/winforms

Windows Presentation Foundation



Windows Presentation Foundation introduced XAML to .NET

Update applications and support latest platform features

Build native applications or create hybrid experiences

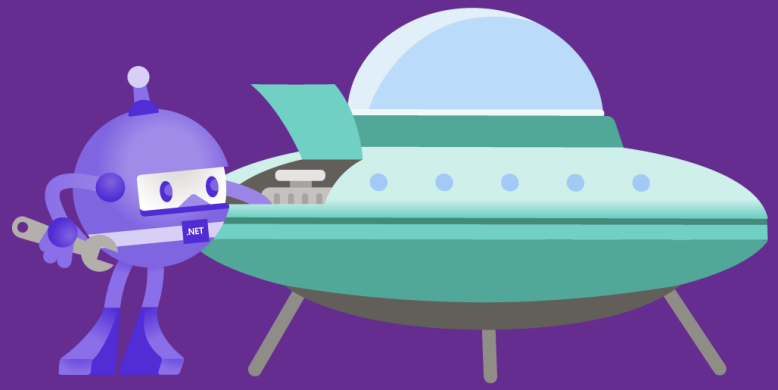
Why choose Windows Presentation Foundation?

learn.microsoft.com/dotnet/desktop/wpf

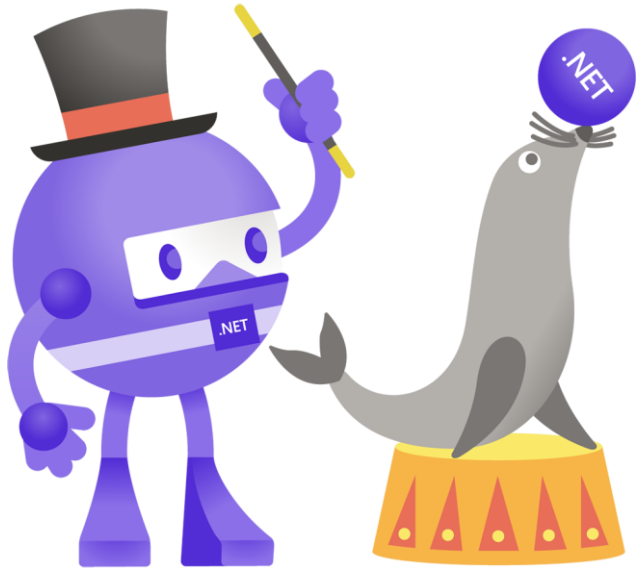
Wpf Notes Demo

Modern .NET and WPF

Not what you were expecting?



Summary



Modern .NET allows you to create the latest and greatest experiences

Web applications with ASP.NET or Blazor including hybrid apps

Cross Platform with Avalonia, Uno Platform and .NET MAUI

Windows App SDK, Windows Forms and WPF on Windows

Windows Presentation Foundation can still bring surprises

Any Questions?

comentsys.com

github.com/rogueplanetoid/moderndotnetandwpf

dot.net asp.net blazor.net

avaloniaui.net platform.uno

dotnet.microsoft.com/apps/maui

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