

MAUI - BLAZOR

Android, iOS, Windows ve MacOS için
HTML ve C# ile uygulama geliştirme

@aokocax

Ahmet Oğuz Koca

- 1999-2003 C/C++/VB/ASP
- 2003 Asp.net/C# Full stack (.net 1.1)
- 2011 Reklam ajansları developer
- 2012 Tech. Director.
- 2013 CTO
- 2015 White label - Software house
- 2016 Startups (Sosyaldata, Brand Ambassador, Quikmotion)

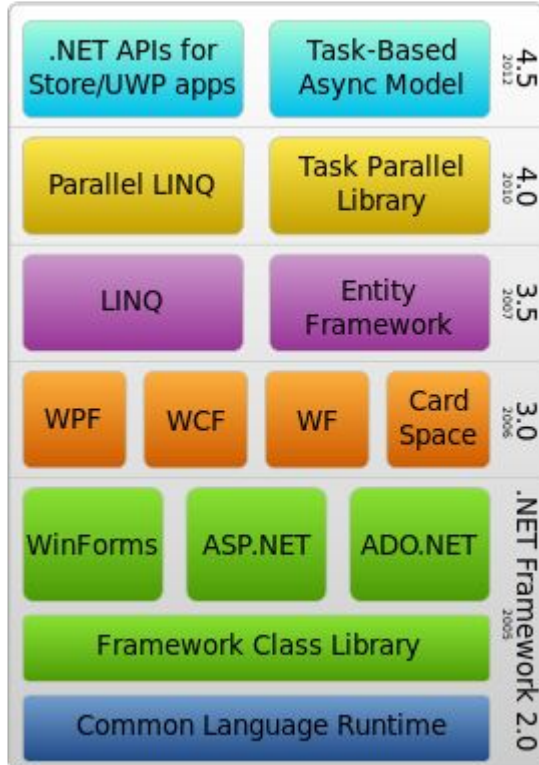
Web development (Asp.net/c#/Angular)

Mobile development (Native iOS/Android (Java)/IONIC)

Mobile games, adver games (Unity, flash)



.net Milestones



.NET Schedule



- .NET Core 3.0 release in September
- .NET Core 3.1 = Long Term Support (LTS)
- .NET 5.0 release in November 2020
- Major releases every year, LTS for even numbered releases
- Predictable schedule, minor releases if needed

MAUI Nedir?

<https://github.com/dotnet/maui>

.NET MAUI ile tek bir kod base'den Windows, macOS, Android ve iOS çalıştıran herhangi bir cihazda harika performans gösteren yerel uygulamalar oluşturabileceğiniz Xamarin Forms evrimleşmiş halidir. diyebiliriz.

Goals of .NET MAUI

Quality

12 months of Xamarin quality releases

Reorganized project structure.

Standardized class naming and structure

Performance

Cold start \leq 1000ms

Responsive UI rendering, animations, and transitions

Reduced view nesting

Design

Simple and elegant default UI theme

Easy control extensibility

Quick cross-platform templating

Platforms

Android

iOS

macOS

Windows

BLAZOR nedir?

SPA için Microsoft tarafından geliştirilmiş bir framework.

Browser tarafında c# kullanabiliyorsunuz.

Browser Razor isimlerinin birleştirilmesi ile adlandırılıyor.

.net 5'te Blazor Web Assembly ve Blazor Server Pages olarak iki ayrı modelde kullanılabiliyordu.



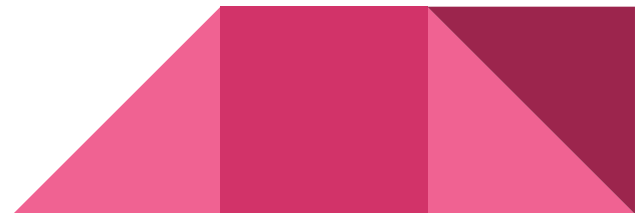
WebAssembly

WebAssembly is an open standard developed by a W3C Community Group. It was originally announced in 2015, and the first browser that supported it was released in 2017.

When WebAssembly was originally being developed, there were four main design goals for the project:

- Fast and efficient
- Safe
- Open
- Don't break the web
- WebAssembly is safe. It does not allow direct interaction with the browser's DOM. Instead, it runs in its own memory-safe, sandboxed execution environment. You must use JavaScript interop to interact with the DOM.

Browser	Version
Microsoft Edge	Current
Mozilla Firefox	Current
Google Chrome, including Android	Current
Safari, including iOS	Current
Opera, including Android	Current
Microsoft Internet Explorer	Not Supported



Razor

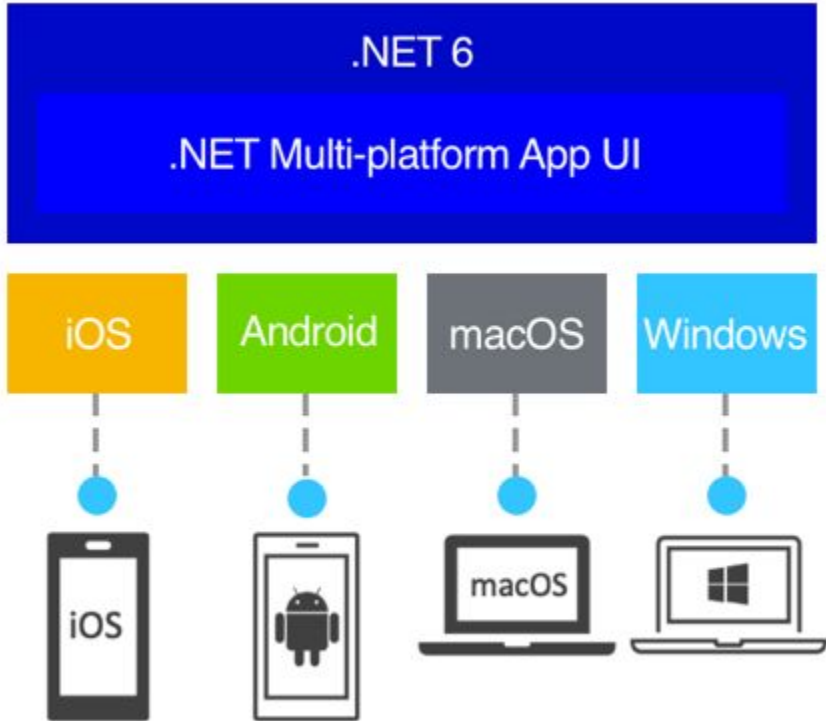
Razor is the ASP.NET view engine used to create dynamic web pages with C#.

Razor is a syntax for combining HTML markup with C# code that was designed for developer productivity.

It allows the developer to use both HTML markup and C# in **the same file**.



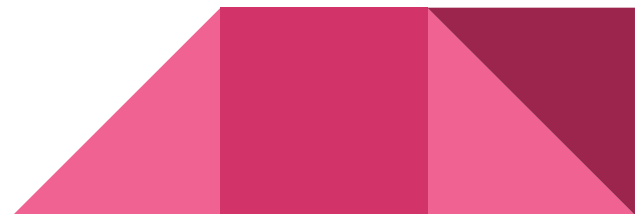
.Net Framework 6 Mimari



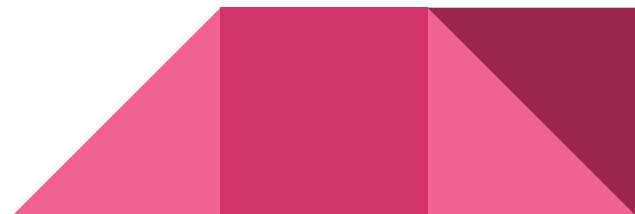
Xamarin Forms

	Xamarin.Forms 5	.NET MAUI
Platforms		
Android	API 19+	API 21+
iOS	9 – 15	10+
Linux (GTK#)	Community	Community
macOS	Community	Microsoft
Tizen	Samsung	Samsung
Windows	UWP Microsoft WPF Community	WinUI 3 Microsoft WPF Community
Features		
Renderers	Tightly coupled to BindableObject	Loosely coupled, no Core deps
App Models	MVVM / RxUI	MVVM / RxUI (MVU experimental)
Single Project	No	Yes
Multi-Targeting	No	Yes
Multi-Window	No	Yes
Pixel Drawn Controls	No	Yes
Misc		
.NET	X.iOS, X.Android, UWP,NET 6 +
Project System	Franken-Proj	SDK Style
dotnet CLI	No	Yes
Tools		
Visual Studio 2019	Yes	Yes
Visual Studio 2019 for Mac	Yes	Yes
Visual Studio Code	No	Experimental

Xamarin MAUI



Windows Insider



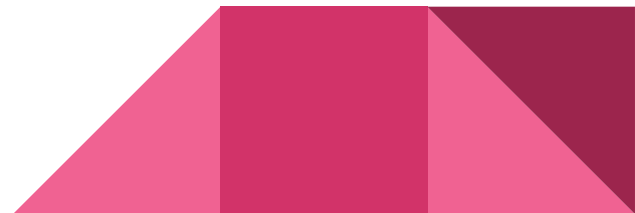
MAUI-Blazor

Install
VS 2022 Preview*

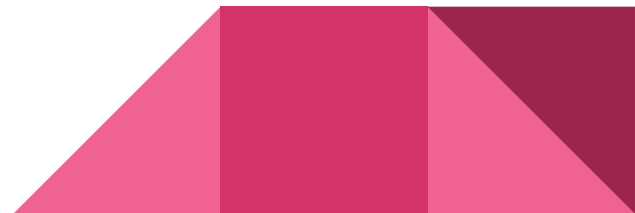
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dotnet tool install -g Redth.Net.Maui.Check
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Maui-check
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aokocax.net
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MacOS Dotnet



WebKit



Ekstra

Maui essentials

+’lar

HTML/C#

Rapid development

.net framework

Open source and Maui team

One project

Xamarin birikimi

Hot reload

Preview

