# Windows Presentation Foundation with .NET



cc

# .NET

.NET is a free & modern open-source cross-platform framework

.NET updated with improvements & features each year

.NET with C# for modern software development

.NET for apps on any device & platform

dot.net



CC BY SA

# Blazor

Blazor for full-stack web applications in .NET without JavaScript

Blazor is a front-end framework based on HTML, CSS & C#

Components in browser, server & hybrid applications

ASP.NET and web development workload

blazor.net



CC BY SA

# ASP.NET Core Web App

ASP.NET Core for building web applications with .NET

Delivering secure, fast & scalable web applications

Real-time client & server messaging with SignalR

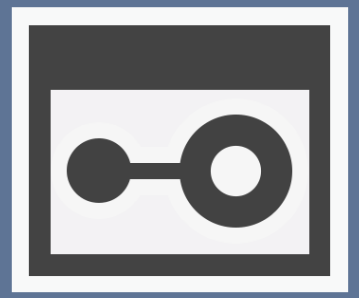
Web applications with MVC or Razor Pages

asp.net



CC BY SA

# ASP.NET Core Web API



ASP.NET Core is also the framework for building web services

Authentication & authorisation for secure endpoints

Endpoints designed for modern web experiences

Endpoints using controllers or with minimal APIs

dotnet.microsoft.com/apps/aspnet/apis



CC BY SA

# What is Windows Presentation Foundation?



CC BY

# Overview

Target Windows Desktop using modern .NET & C#

Update or modernise legacy WPF applications

Create WPF Applications with Blazor Hybrid

.NET desktop development workload

github.com/dotnet/wpf



CC BY SA

# XAML

XAML is eXtensible Application Markup Language

Decouple implementation from user interface

Data binding for presentation & interaction

Vector-based controls & elements

Customise look-and-feel



CC BY SA

# Controls

- Toolbox of styled standard user interface XAML controls
- Customisable appearance & behaviour of controls
- Design flexible & responsive application layouts
- Custom user controls & templated controls
- Use legacy XAML & third-party controls

# Demo



CC BY

# Summary

.NET to create modern apps & services for any device or platform

Windows Presentation Foundation for Windows desktop apps

WPF Applications with XAML for decoupled user interface

Use standard controls & create custom controls

Leverage .NET features & Blazor Hybrid

# About

dot.net
blazor.net
asp.net
dotnet.microsoft.com/apps/aspnet/apis
github.com/dotnet/wpf

tutorialr.com/talks/wpf-with-dot-net
github.com/tutorialr/wpf-with-dot-net-talk


CC BY SA