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Xamarin

Kansas City Mobile .NET Developers Group

What is Xamarin?

Xamarin

- Xamarin Platform
- Xamarin Test Cloud
- Xamarin Insights
- Xamarin University

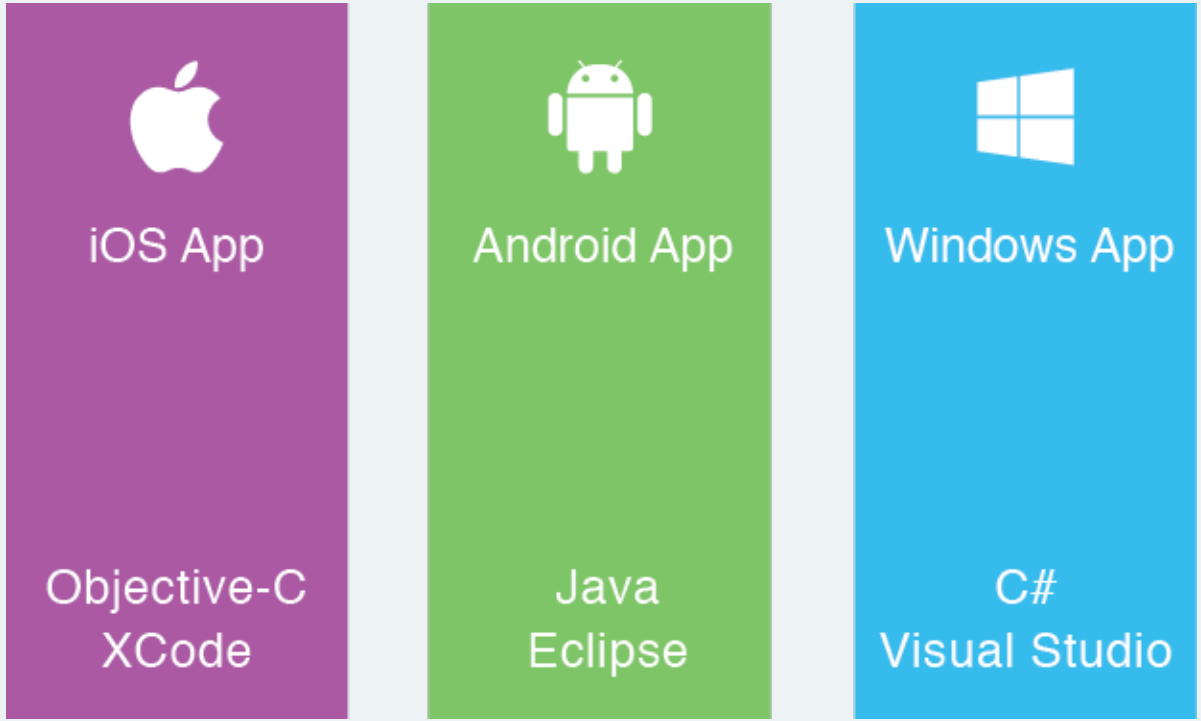
Xamarin

Architecting Mobile Apps

Xamarin

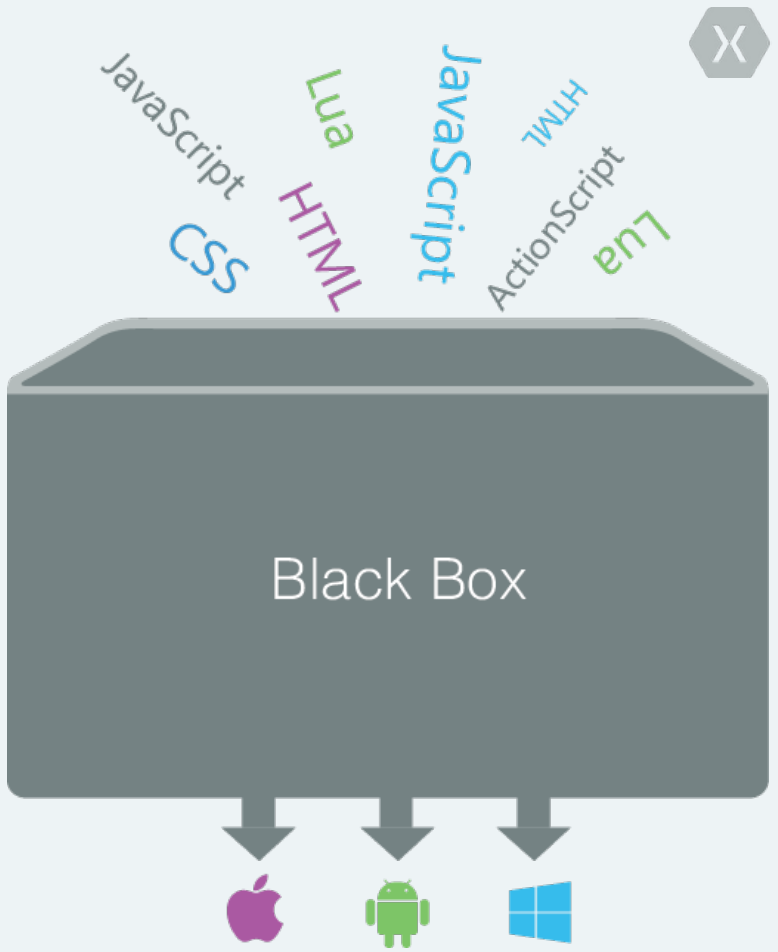
Silo Approach

Build Apps Multiple Times



Write Once, Run Anywhere Approach

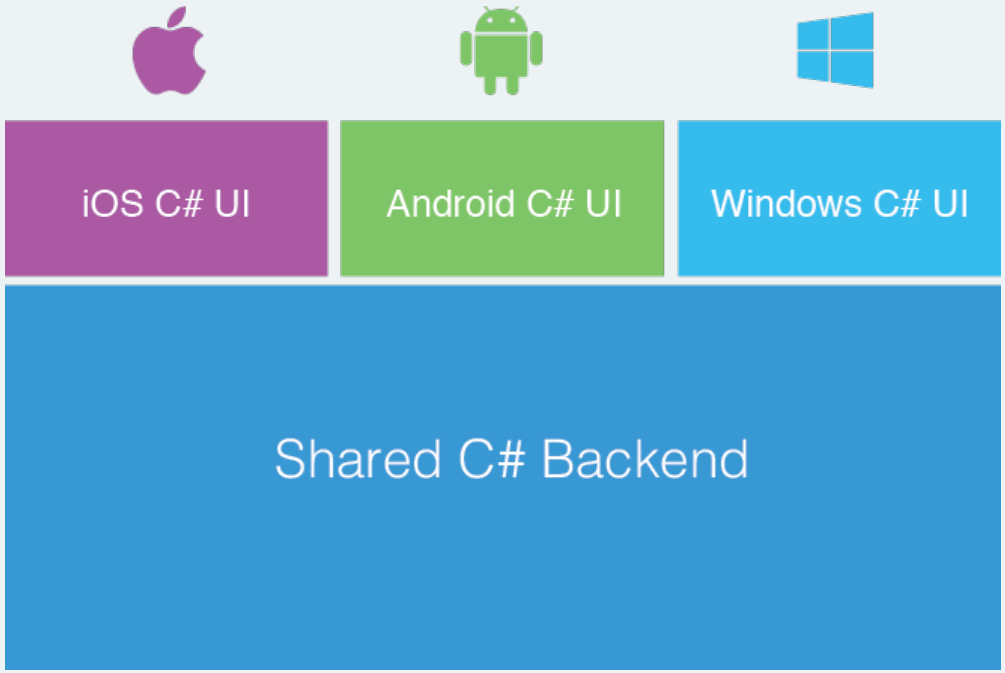
Lowest Common Denominator



Xamarin

Xamarin's Unique Approach

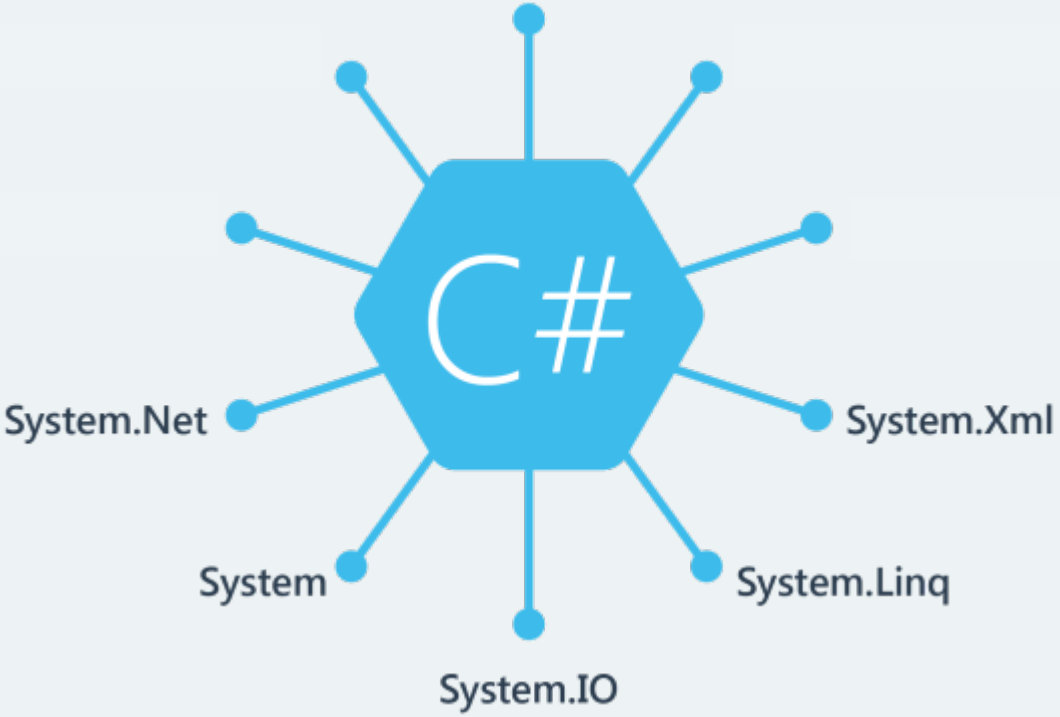
Native with Code Sharing



Xamarin

Windows APIs

100% Coverage



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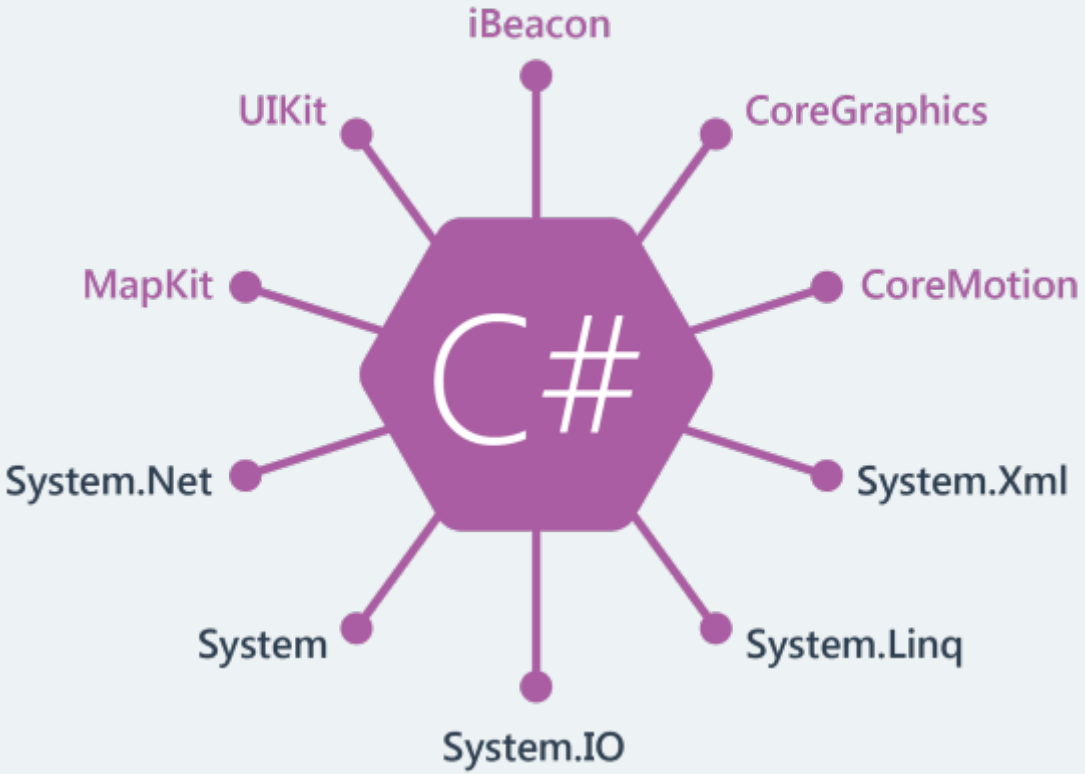
iOS APIs

100% Coverage



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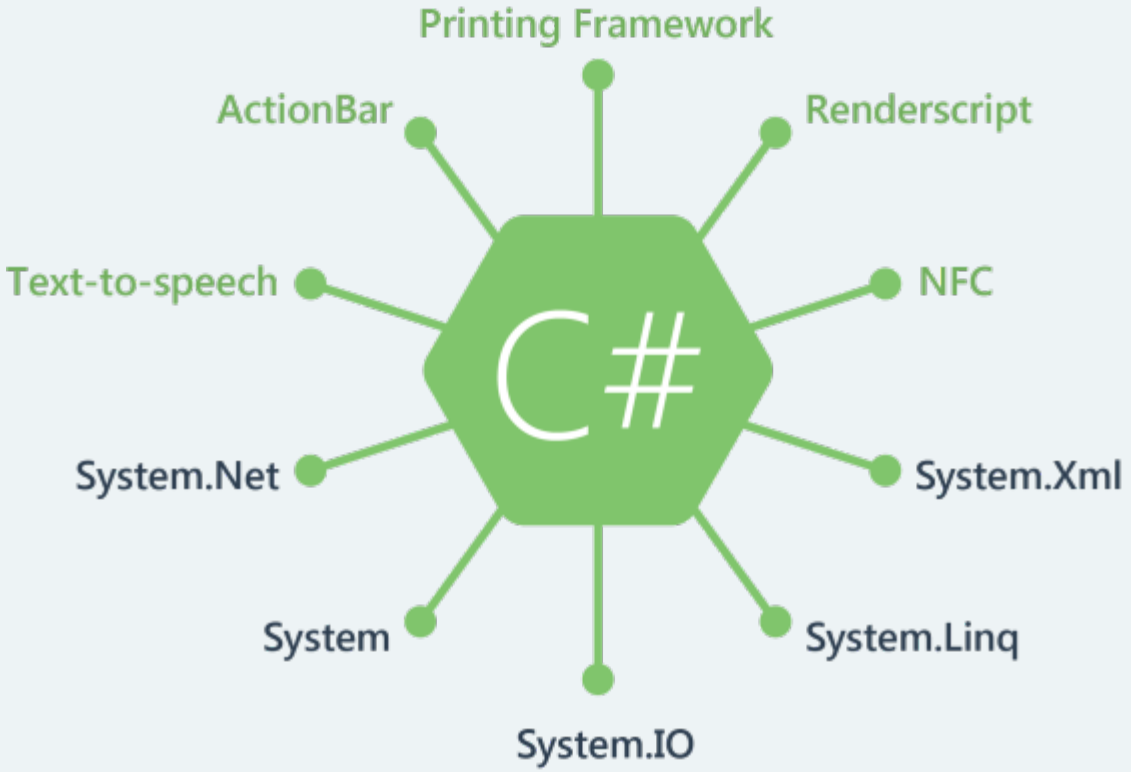
Android APIs

100% Coverage



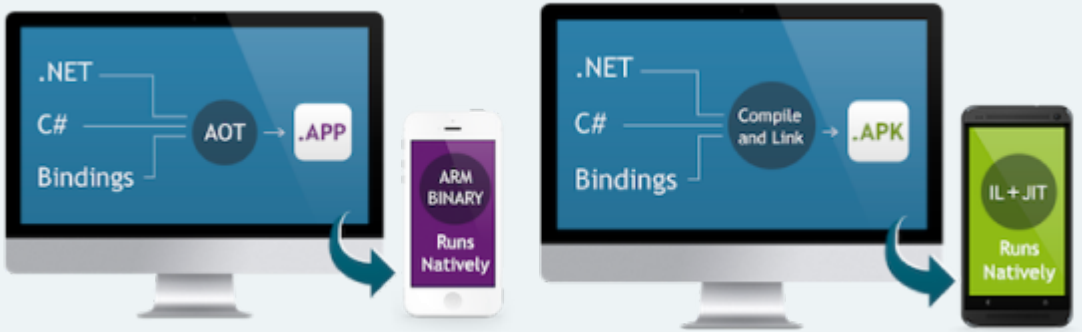
Xamarin

Anything you can do in Objective-C, Swift or Java, can be done in C# with Xamarin

Xamarin

How Xamarin Works

- C# + .NET Runtime
- Native UI
- Native Performance



Say hello to

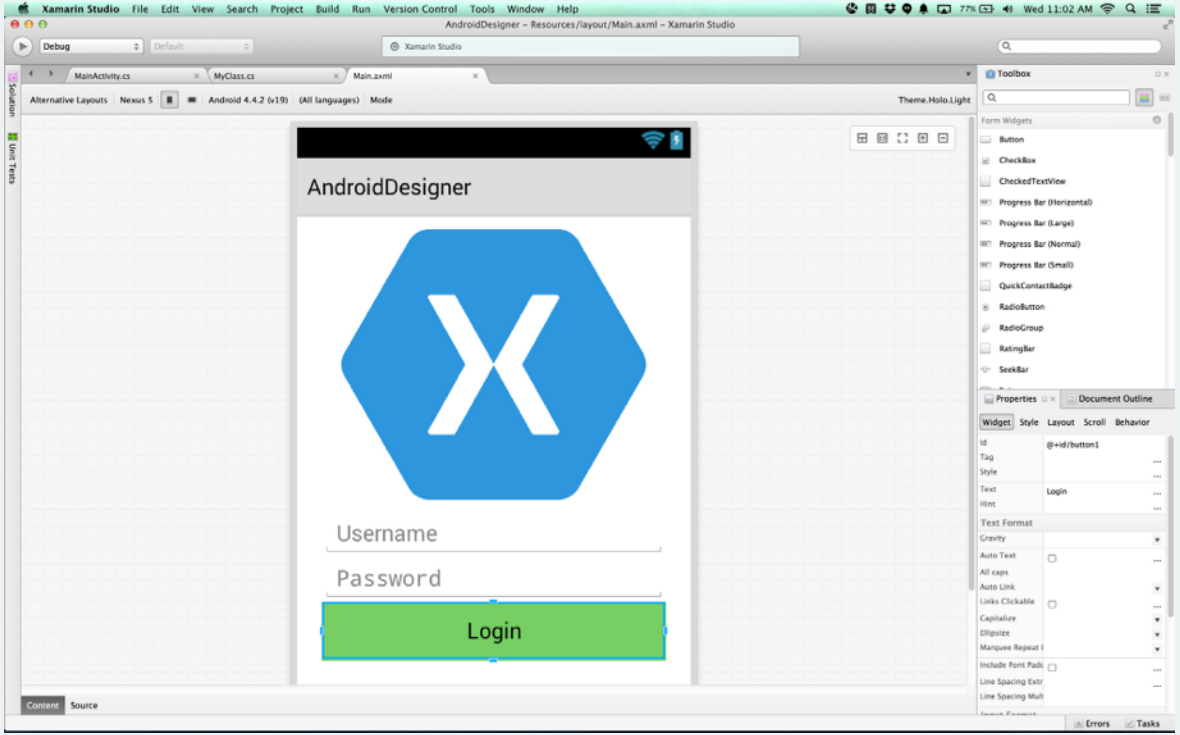
Xamarin 3

Xamarin

Major Elements in Xamarin 3

- Xamarin Designer for iOS
- Major IDE Enhancements
- Improved Code Sharing
- Xamarin.Forms

Xamarin Designer for Android

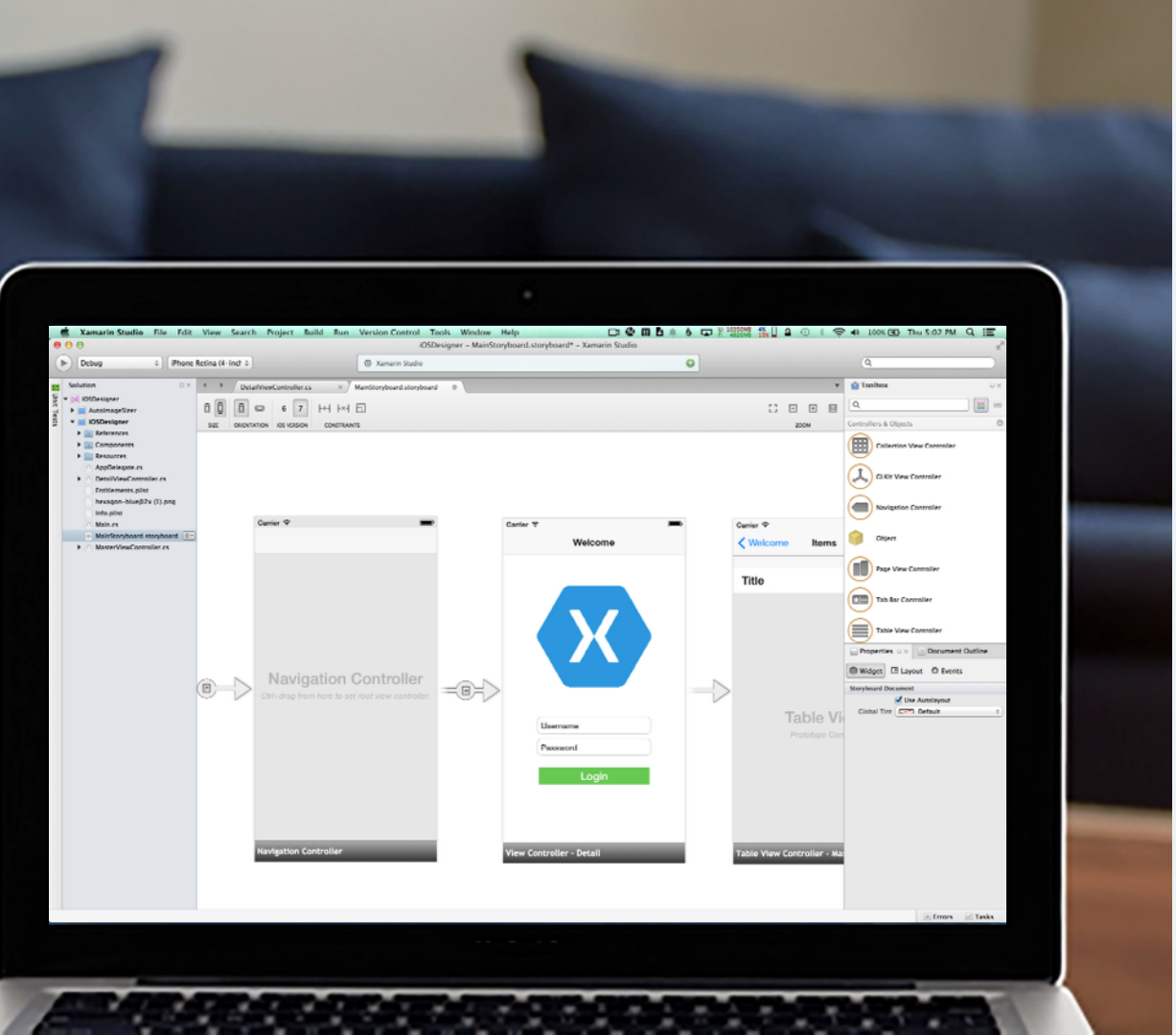


Fully integrated into Xamarin Studio & Visual Studio

Multi-resolution editing

Easy switch between design and Android XML

Shipping for over 2 years



Xamarin Designer for iOS

Fully integrated into Xamarin Studio & Visual Studio

iOS 6 & 7 Storyboard support

Intuitive event handling

Support for auto-layout

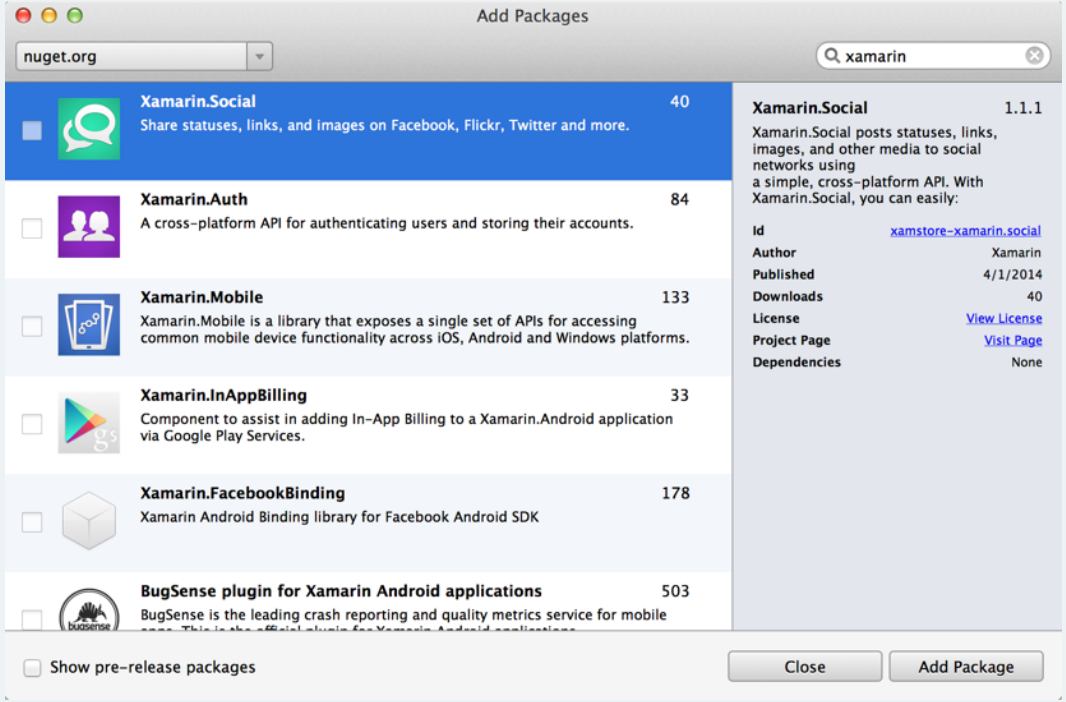
Live preview of custom controls

Xamarin Designer in Action

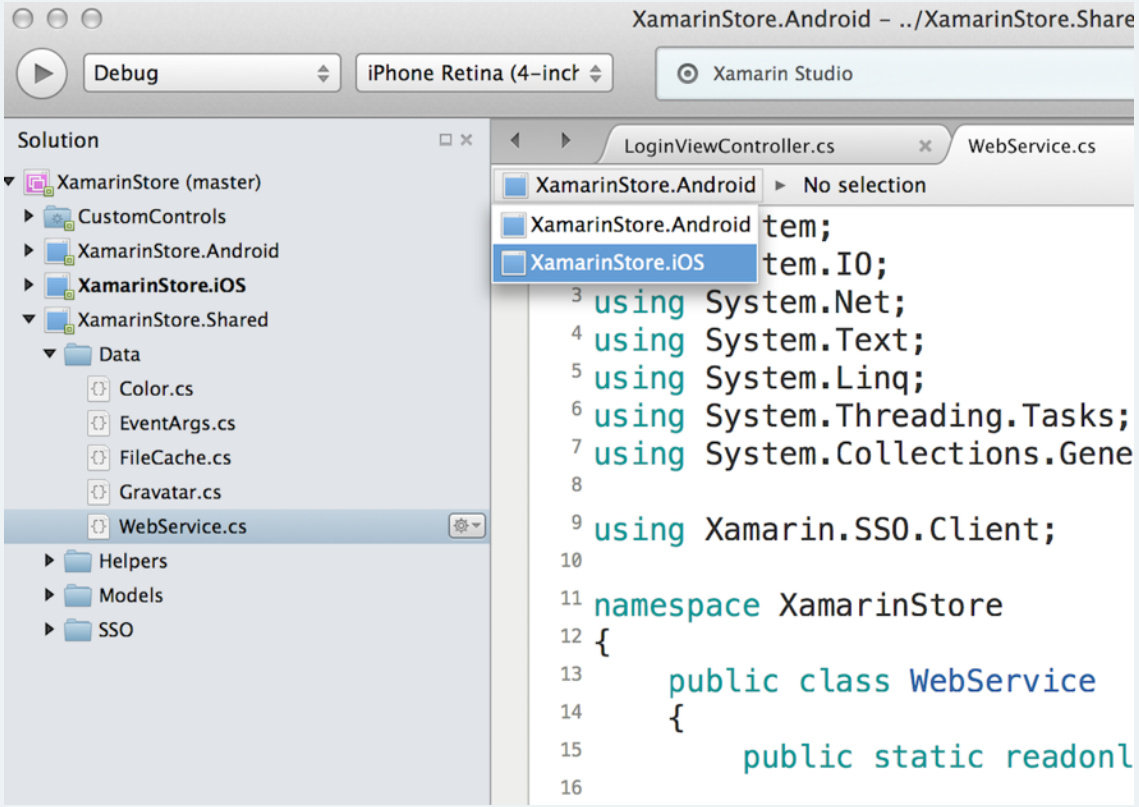
NuGet Package Manager

Full support for using NuGet packages

Take advantage of the many NuGet packages which are are now shipping with Xamarin compatibility – in Visual Studio or Xamarin Studio



Shared Projects

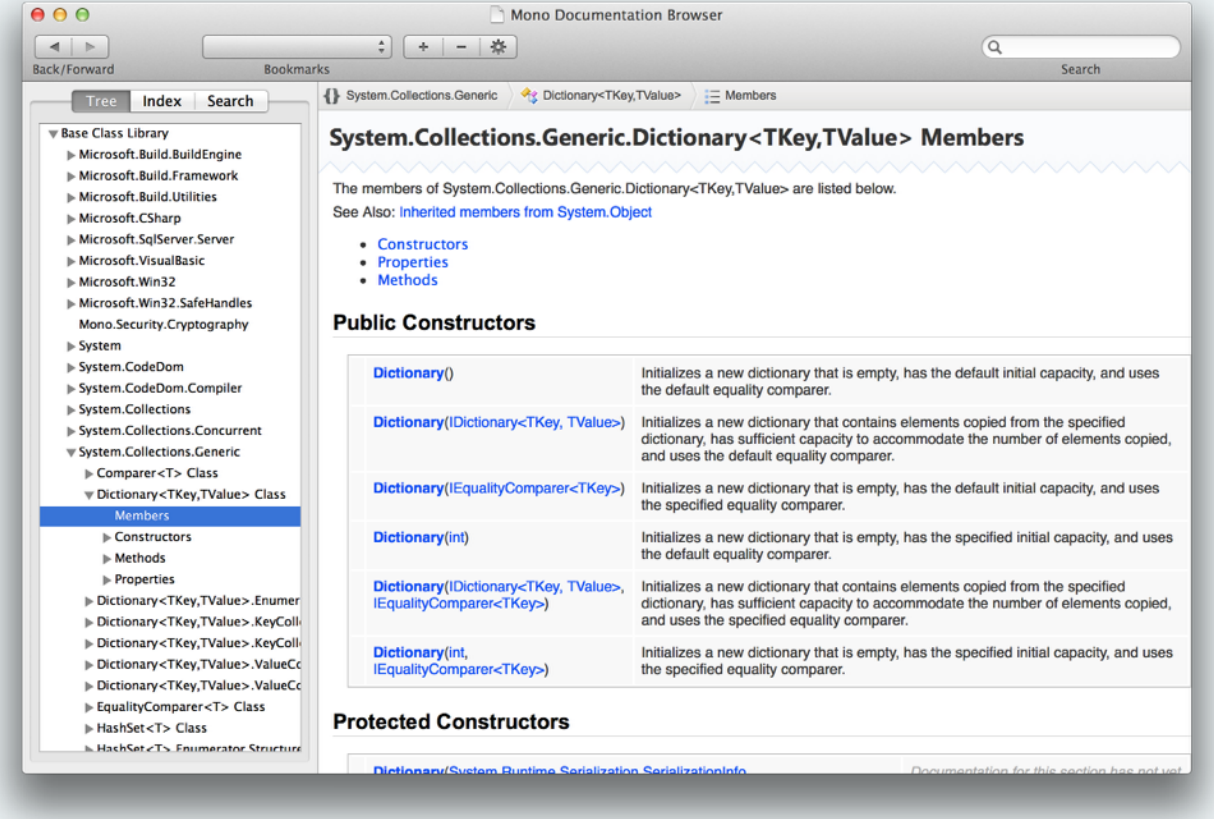


The easiest way to share code

Eliminates the hassle of file-linking

Easier to collaborate with other Xamarin Studio and Visual Studio users

.NET BCL Documentation



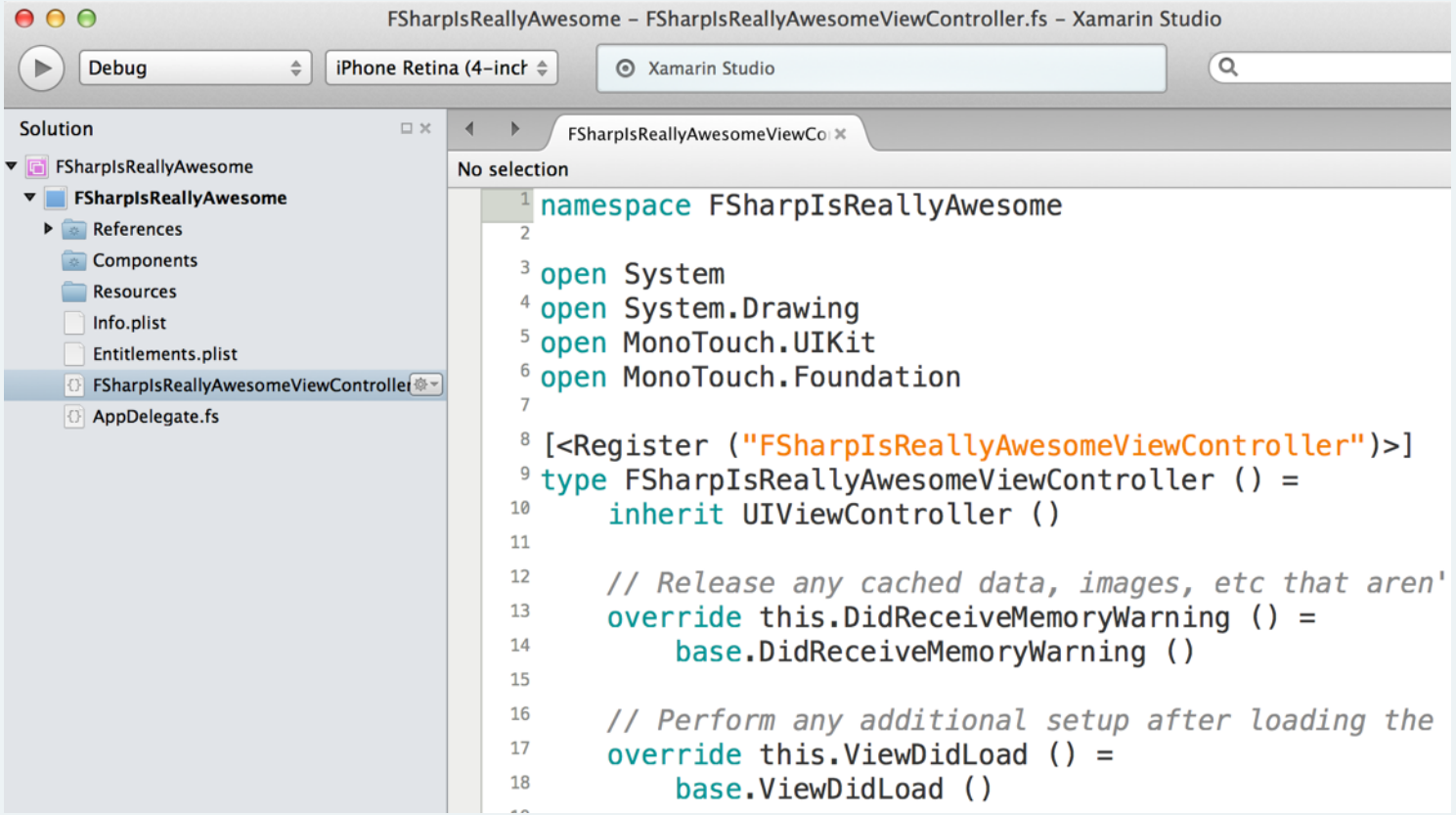
Full documentation for the .NET Base Class Libraries (BCL)

Recently provided to community by Microsoft

Integrated into Xamarin Studio

First Class F# Support

Xamarin

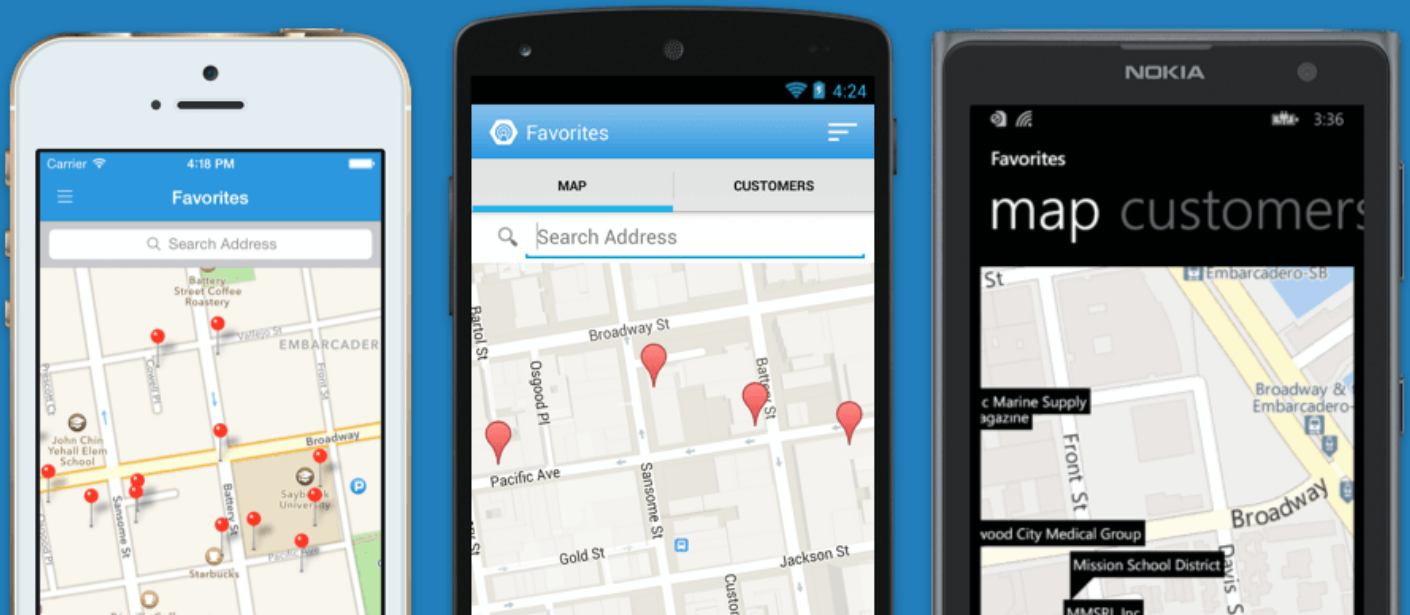


Xamarin

DEMO

Meet Xamarin.Forms

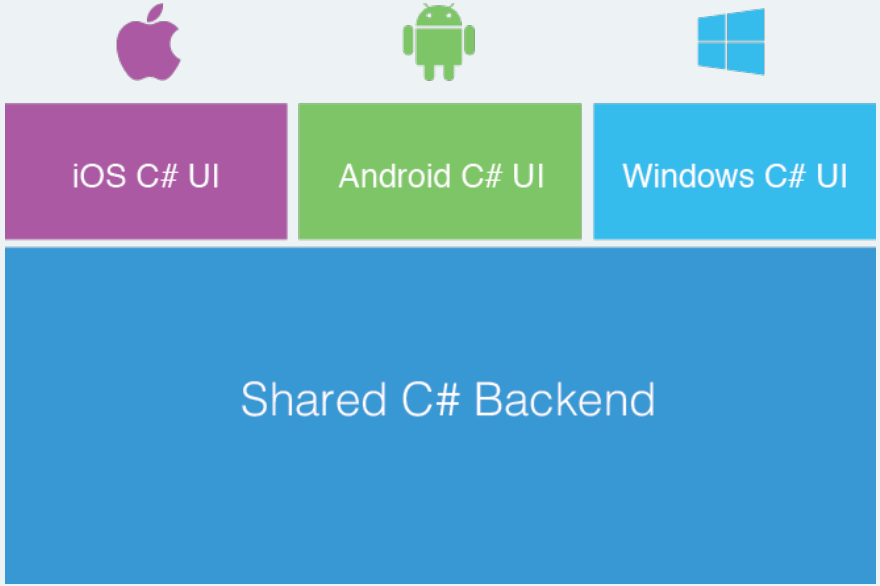
Build native UIs for iOS, Android and Windows Phone from a single, shared C# codebase.



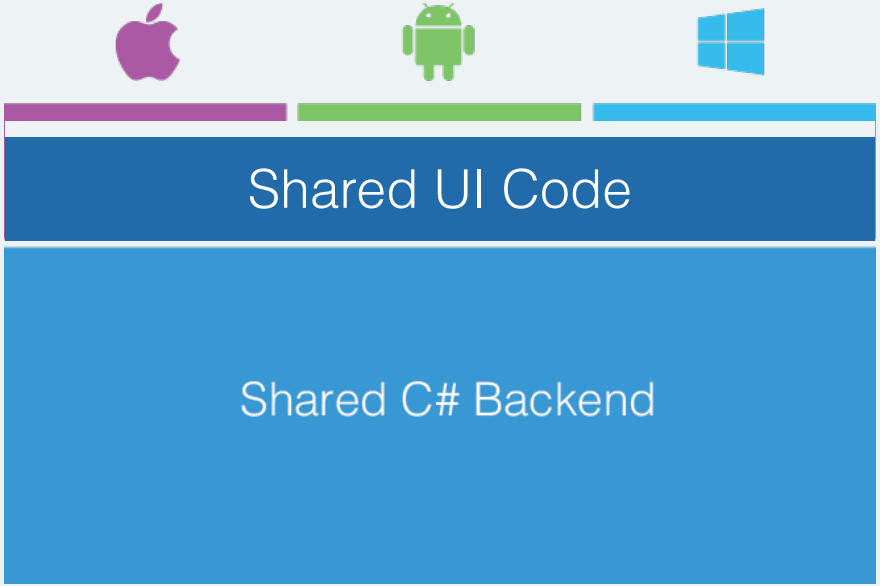
Xamarin + Xamarin.Forms

Xamarin

Traditional Xamarin approach



With Xamarin.Forms:
more code-sharing, native controls



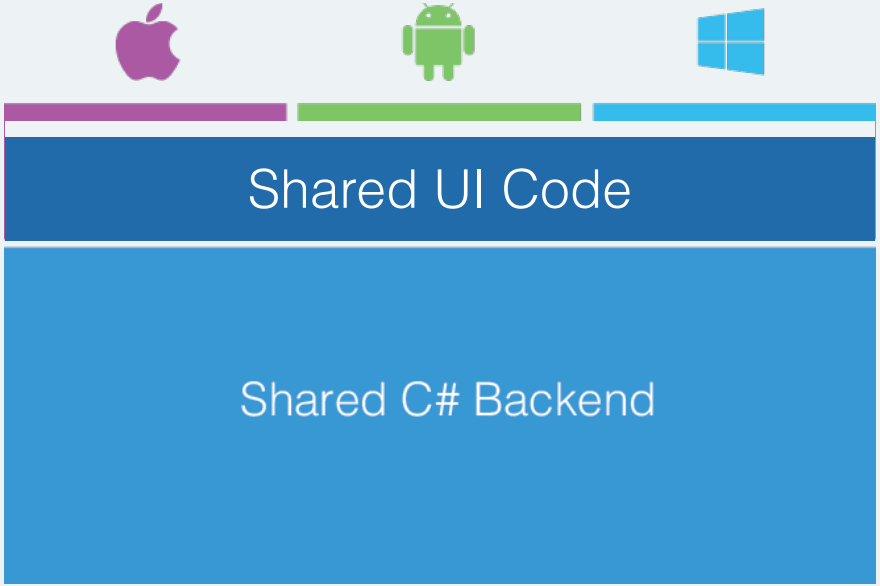
Xamarin + Xamarin.Forms

Xamarin

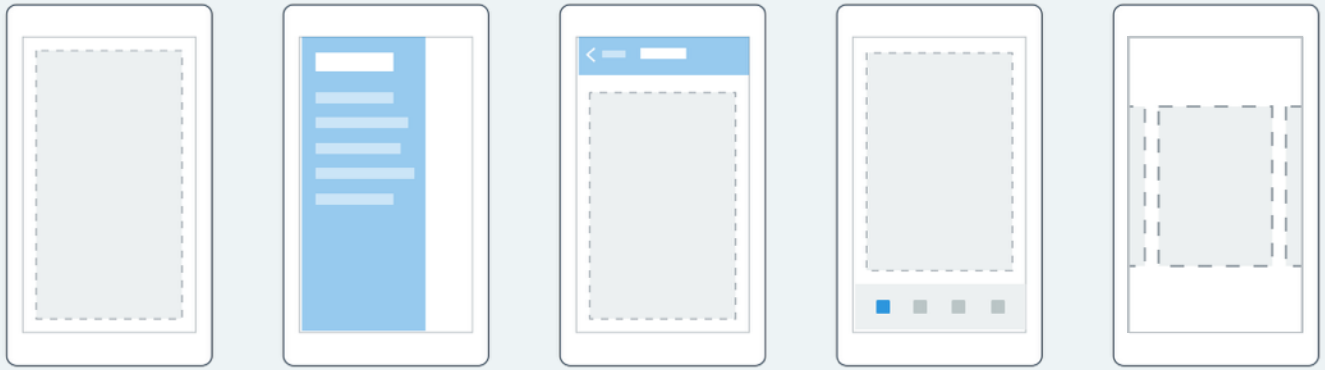
Quickly and easily build native user interfaces using shared code

Xamarin.Forms elements map to native controls and behaviors

Mix-and-match Xamarin.Forms with native APIs

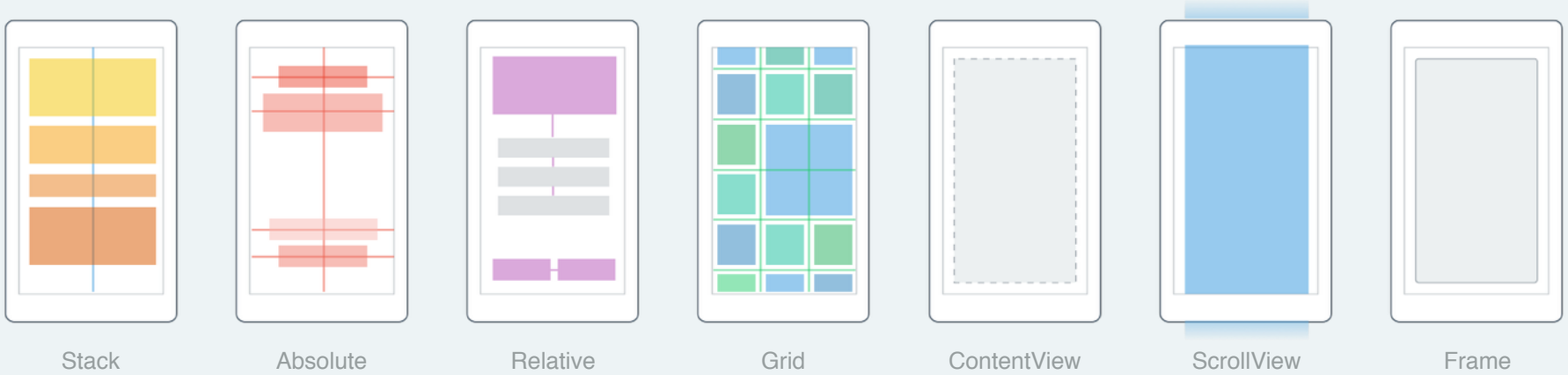


Pages



Content MasterDetail Navigation Tabbed Carousel

Layouts


Stack
Absolute
Relative
Grid
ContentView
ScrollView
Frame

Controls

Xamarin

ActivityIndicator	BoxView	Button	DatePicker	Editor
Entry	Image	Label	ListView	Map
OpenGLView	Picker	ProgressBar	SearchBar	Slider
Stepper	TableView	TimePicker	WebView	EntryCell
ImageCell	SwitchCell	TextCell	ViewCell	

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DEMO

Xamarin Evolve 2014

Xamarin

- Android Player
- Profiler
- Sketches
- Insights
- IBM Partnership
- Xamarin.Forms Partners
- Test Cloud Partner Program
- Slap the Salmon!

Xamarin

Try Xamarin Today

Free eBook!

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- Creating Mobile Apps with Xamarin.Forms, Preview Edition
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Thank You

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