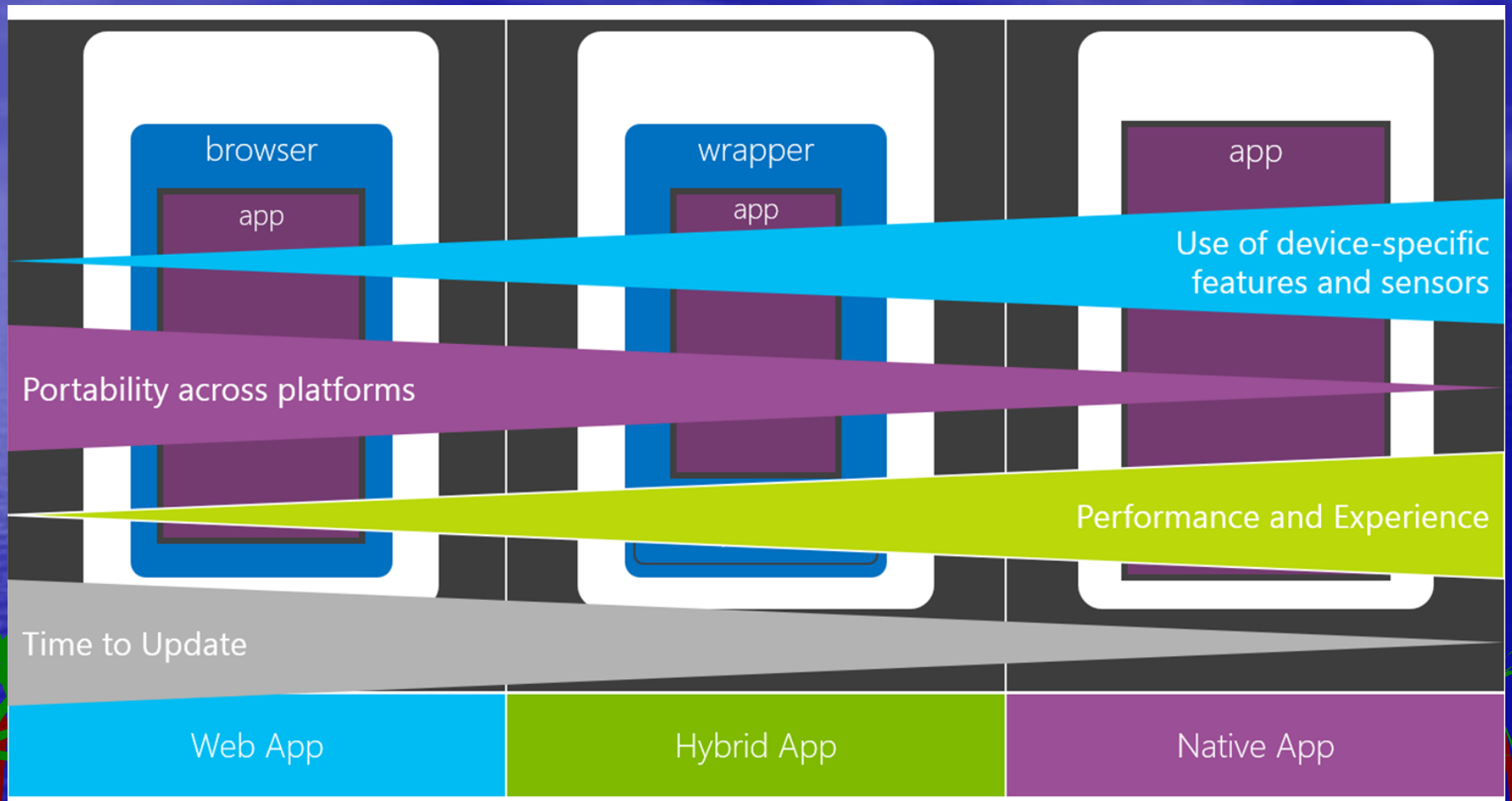


Intro to Xamarin

Architecture Tools



Application types



Supporting the platforms

- **Expensive to staff multiple platform-specific teams**
- **Expensive to maintain multiple code bases**
- **Slows innovation**



iOS App

Objective-C
XCode



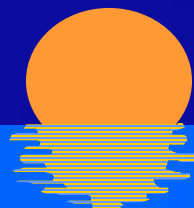
Android App

Java
Eclipse



Windows App

C#
Visual Studio



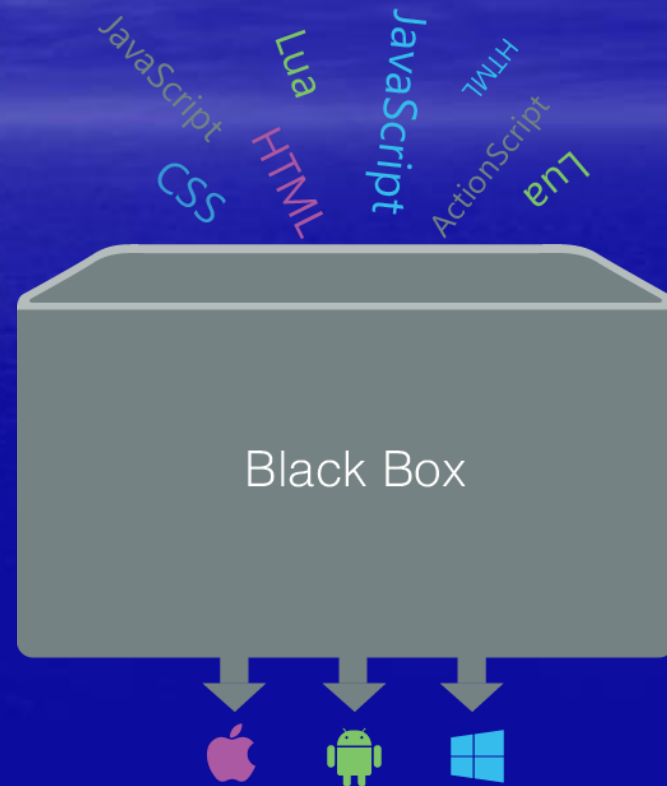
Hybrid approach

Poor user experience

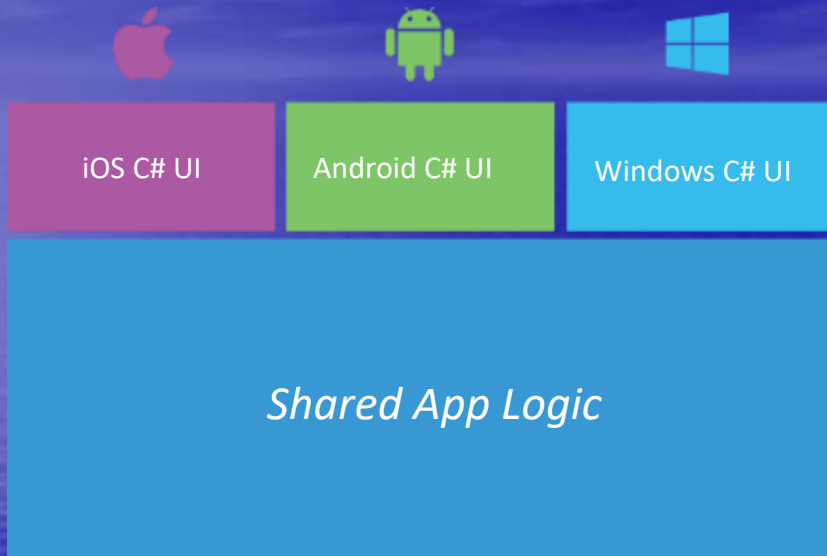
- API coverage
- Performance

High abandonment rates

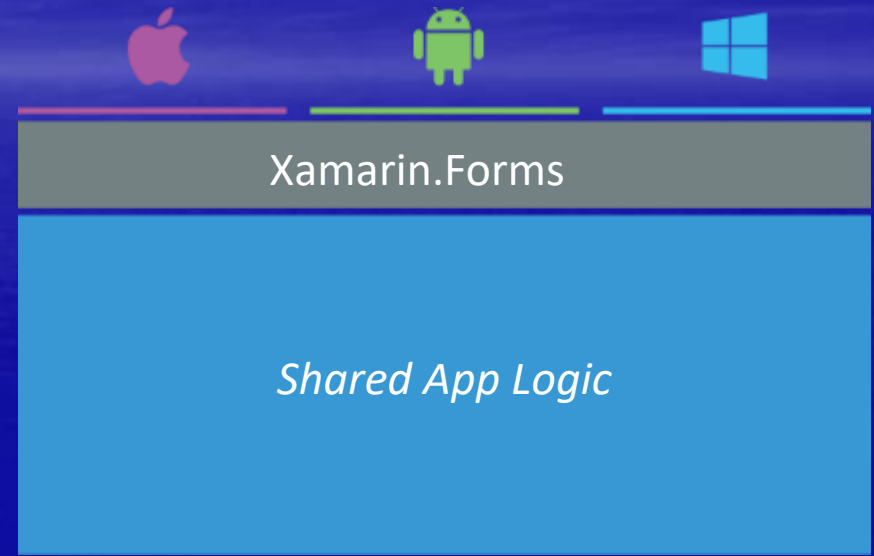
Wasted investment



Xamarin Approach

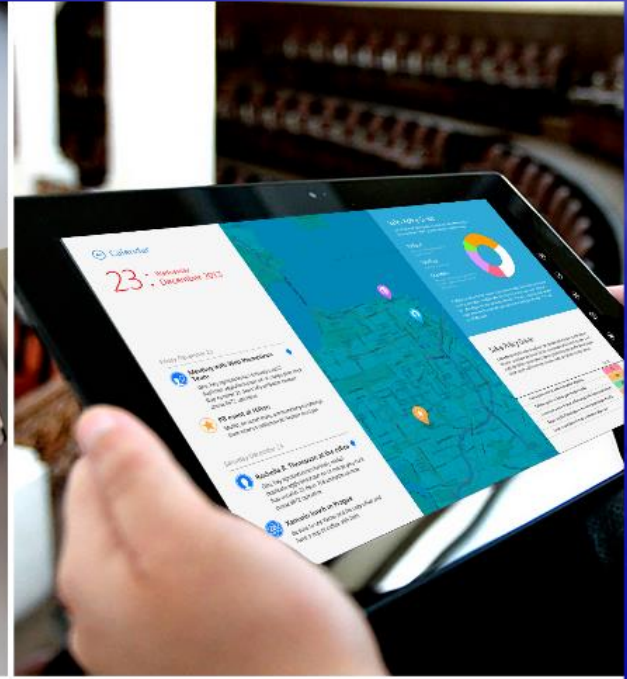


Traditional



Xamarin.Forms

Xamarin



**Xamarin exposes 100% of the native APIs
for iOS, Android and Windows**



Native Performance

Xamarin.iOS does full Ahead Of Time (AOT) compilation to produce an ARM binary for Apple's App Store.



Xamarin.Android takes advantage of Just In Time (JIT) compilation on the Android device.



Native APIs Support



Same day support:

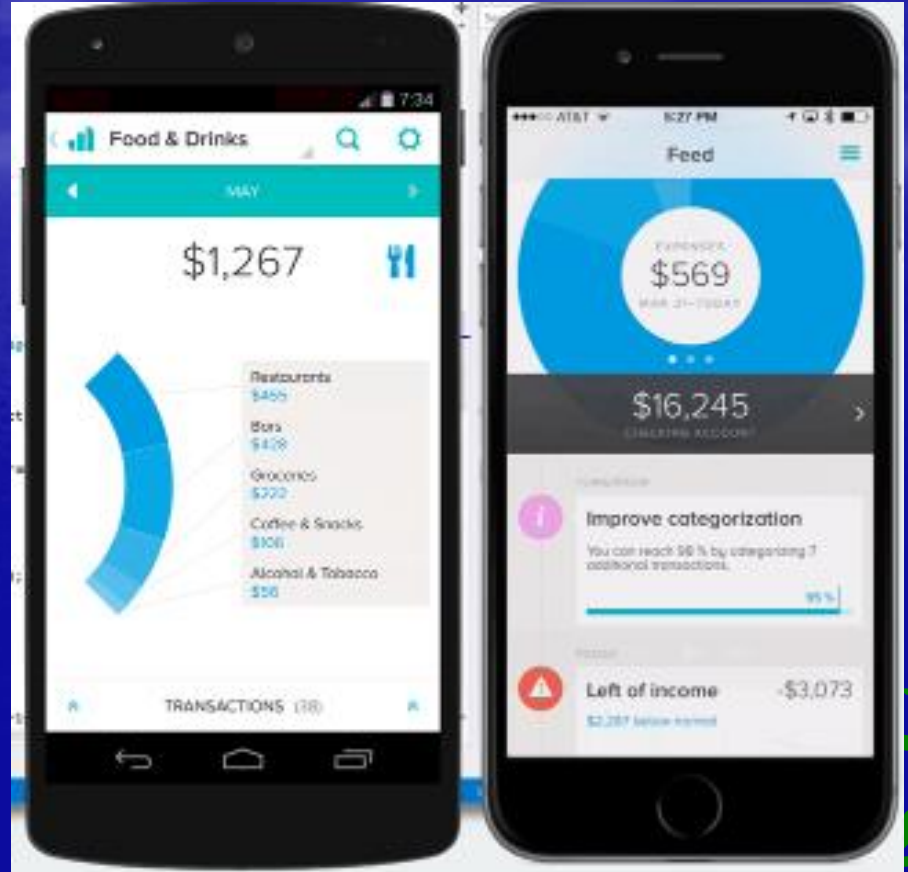
iOS 7, iOS 7.1, iOS 8, iOS 9, iOS 10



Also:

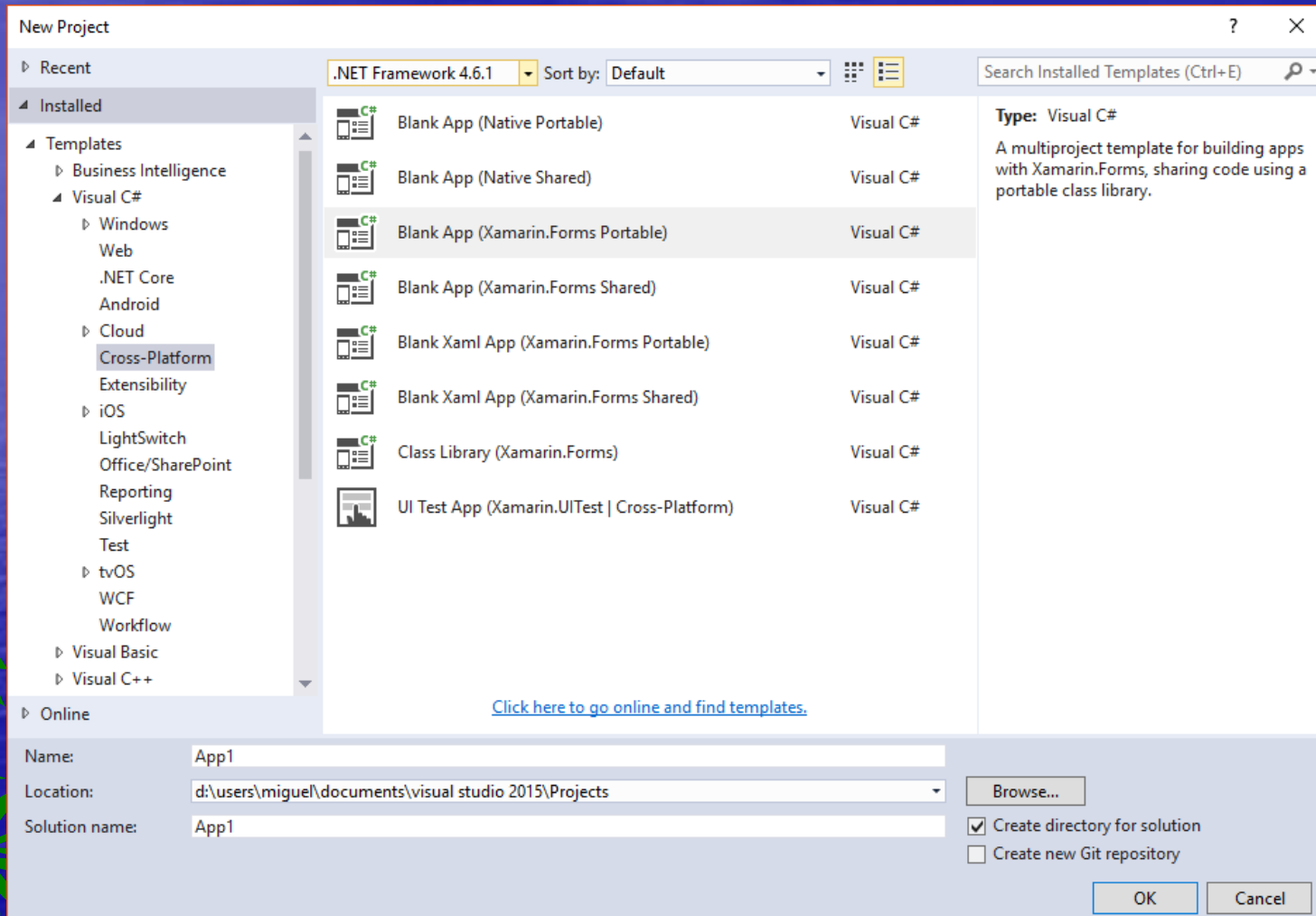
- Google Glass
- Android Wear
- Amazon Fire TV
- Outros...

Actual Apps in Xamarin

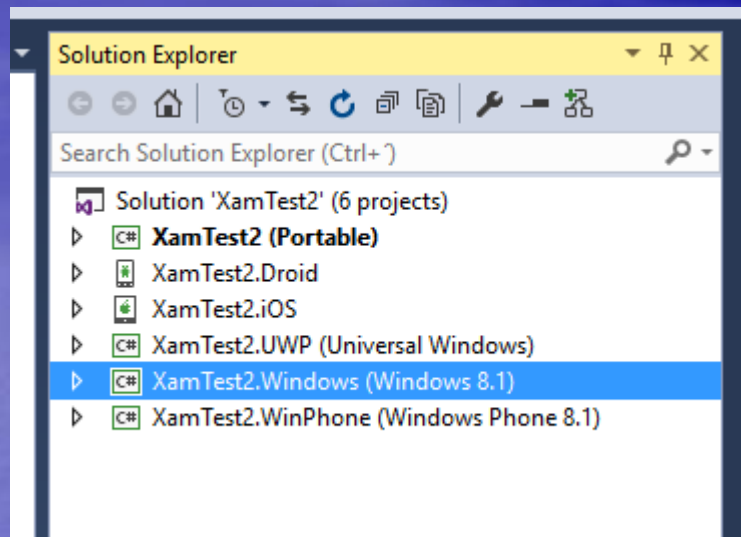


Tools and Projects

Visual Studio and Windows



Projects



Xamarin.Forms



ContentPage



MasterDetailPage



NavigationPage



TabbedPage



TemplatedPage



CarouselPage

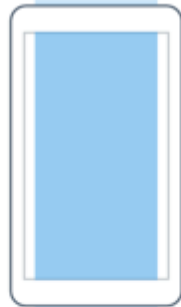
Pages



ContentPresenter



ContentView



ScrollView



Frame

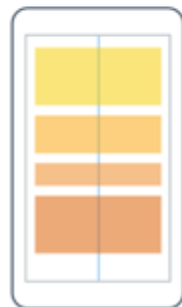


TemplatedView

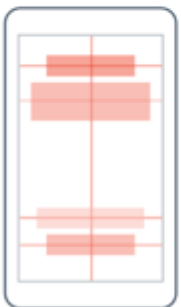
Layouts

Views

ActivityIndicator, BoxView, Button, DatePicker, Editor, Entry, Image, Label, ListView, Picker, ProgressBar, SearchBar, Slider, Stepper, Switch, TableView, TimePicker, WebView



StackLayout



AbsoluteLayout



RelativeLayout



GridLayout

Cells

EntryCell, SwitchCell, TextCell, ImageCell

Docs

Creating Mobile Apps with Xamarin.Forms



The first edition of Charles Petzold's book *Creating Mobile Apps with Xamarin.Forms* is [available as a free download](#) to help you get started with Xamarin.Forms!

Xamarin.Forms for Windows



Check out [Xamarin.Forms running on Windows!](#) Add projects that run on Windows 8.1, Windows Phone 8.1, and the Universal Windows Platform to your existing Xamarin.Forms solutions.

Documentation

<http://developer.xamarin.com>