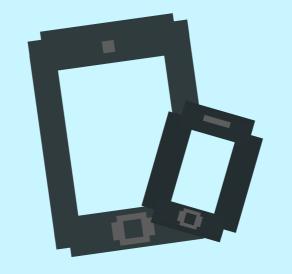
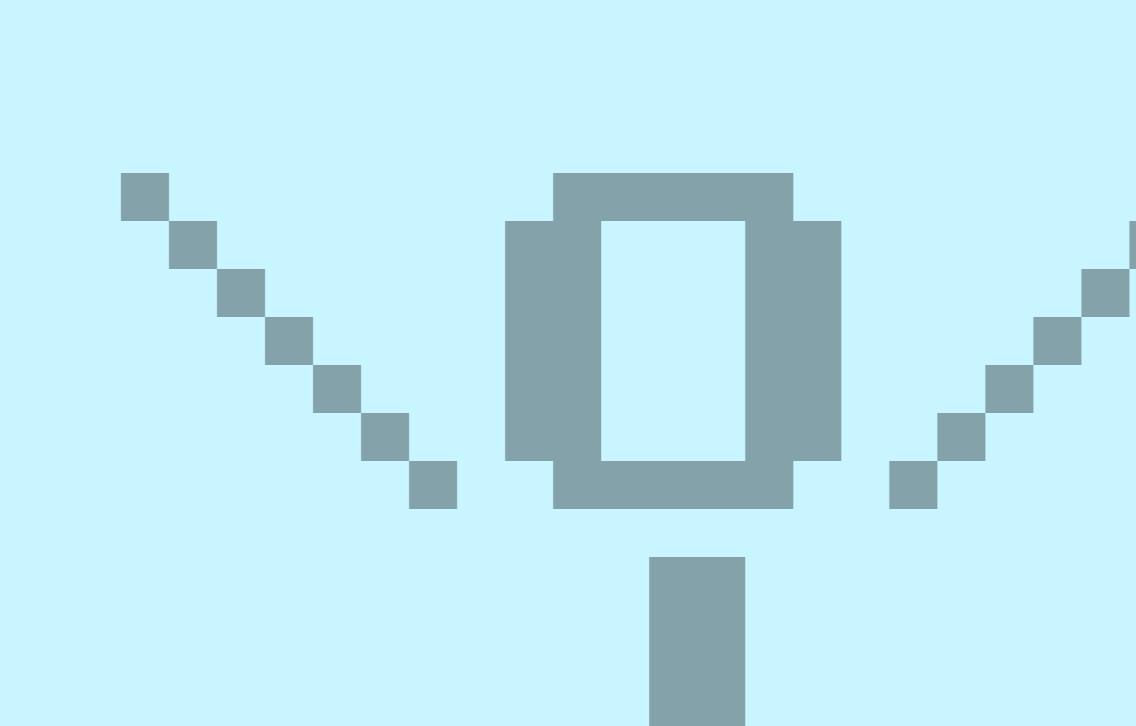
MonoTouch

(C# + iOS = Good Times)





Mono?

- > OSS Implementation of .NET
- Cross Platform
- > Up to date with .NET

Mono Touch?

- > C# for iOS
- > Creates NATIVE Apps
- Certain limitations
 - No JIT
 - No Reflection
 - No DLR

```
+ (NSDate *) stripTime:(NSDate *) date {
    NSCalendar *gregorian =
        [[NSCalendar alloc]
            initWithCalendarIdentifier:NSGregorianCalendar];
    NSDateComponents *components =
        [gregorian components:
            (NSYearCalendarUnit | NSMonthCalendarUnit |
             NSDayCalendarUnit)
        fromDate:date];
    date = [gregorian dateFromComponents:components];
    [gregorian release];
    return date;
```

```
public DateTime StripTime(DateTime date)
{
    return date.Date;
}
```

F.U.D

- > Cost
- > Apples EULA
- > Bugged Abstraction

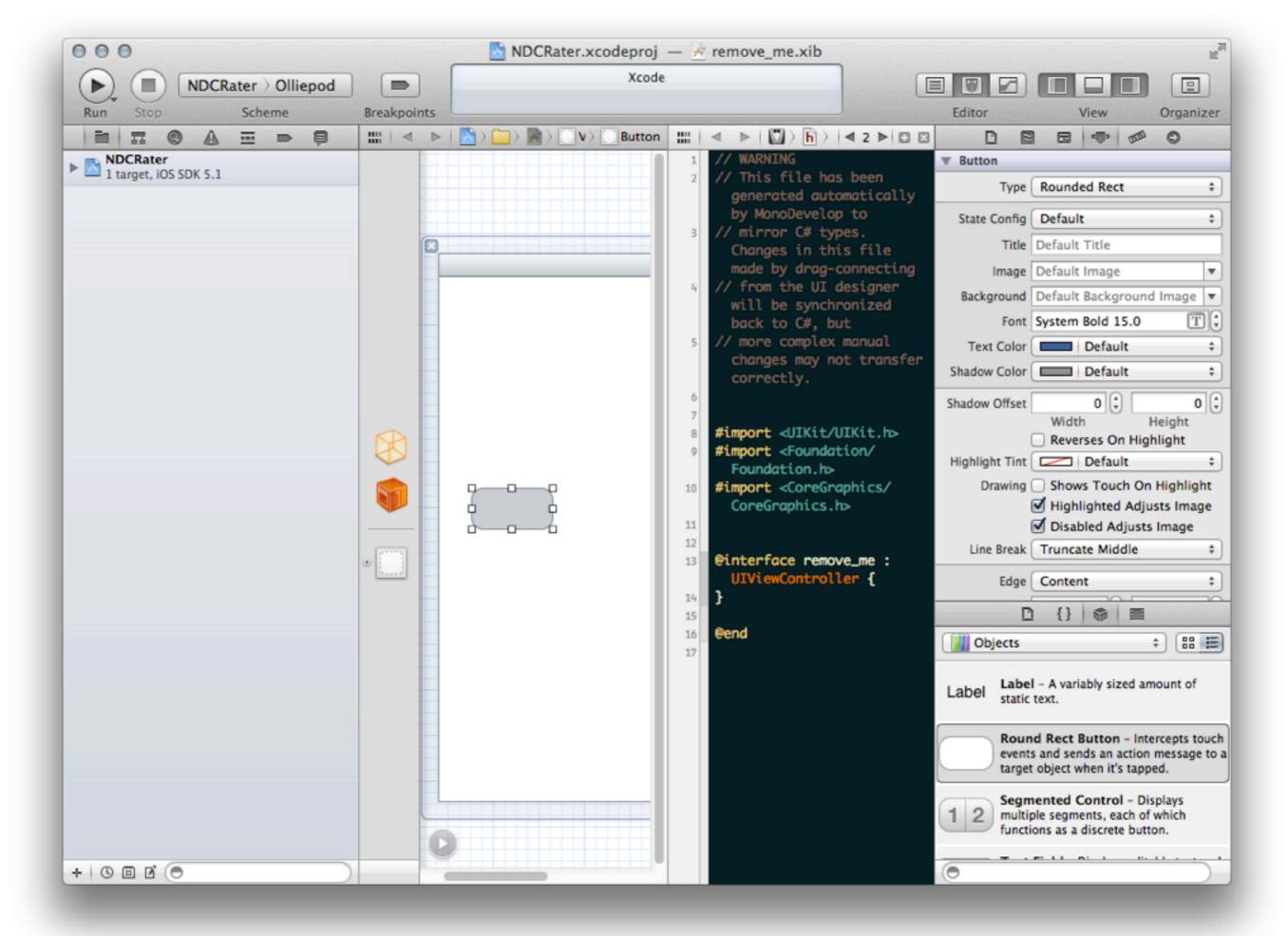
\$399 £255 46.3620

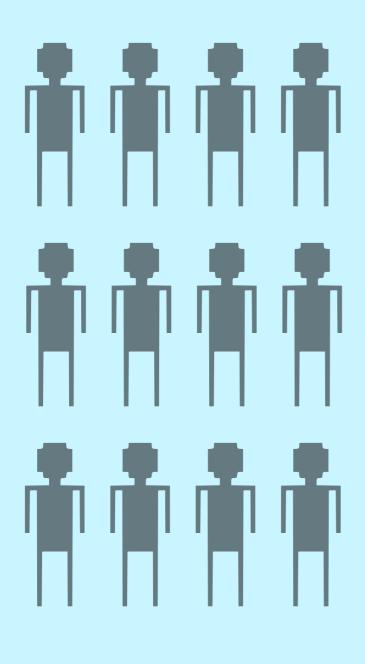
But what if Apple do the EULA shuffle?

What if I find a bug in MonoTouch?

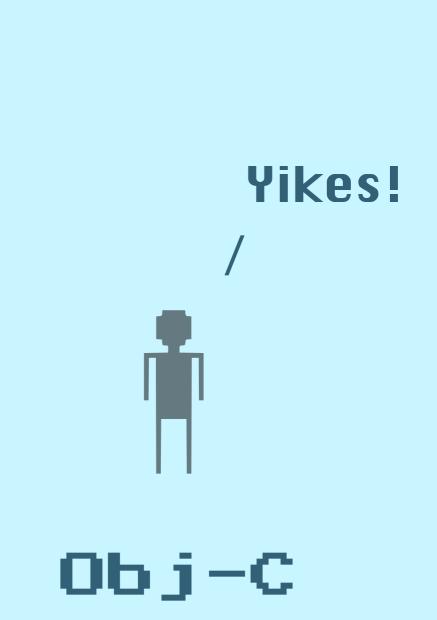


Mono Touch



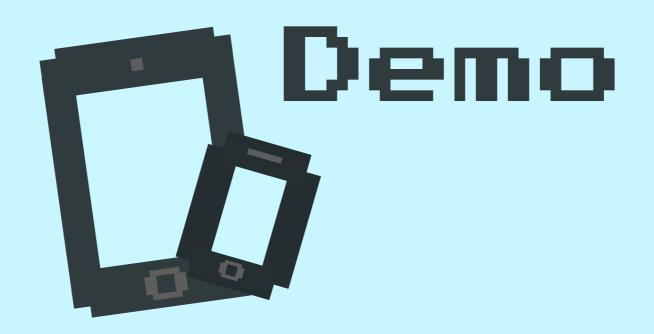






Libraries

iOS + C#



$cu \rightarrow iose$

- 1) Source Code
- NET Bytecode
- 3) AOT Compilation
- 4) iOS Machine Code

Extra Treats

- > Touch.Unit
- > MonoTouch.Dialog
- > 3rd Party Libs
 - iOS
- .NET > Recipes & Samples

Touch.Unit

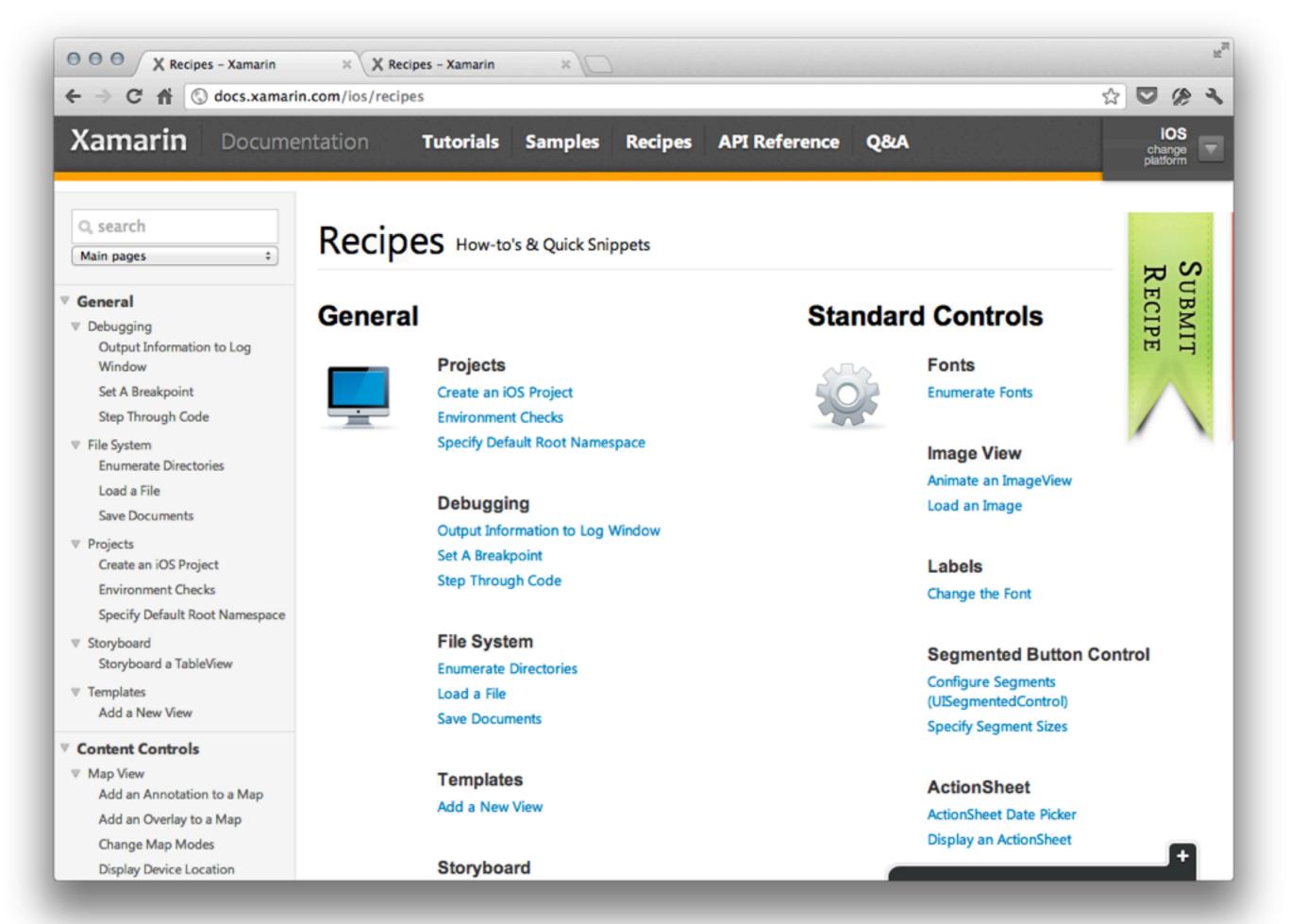
```
[TestFixture]
public class Tests {
   [Test]
   public void Pass () {
      Assert.True (true);
   [Test]
   public void Fail () {
      Assert.False (true);
   [Test]
   public void Ignore () {
      Assert.True (false);
```

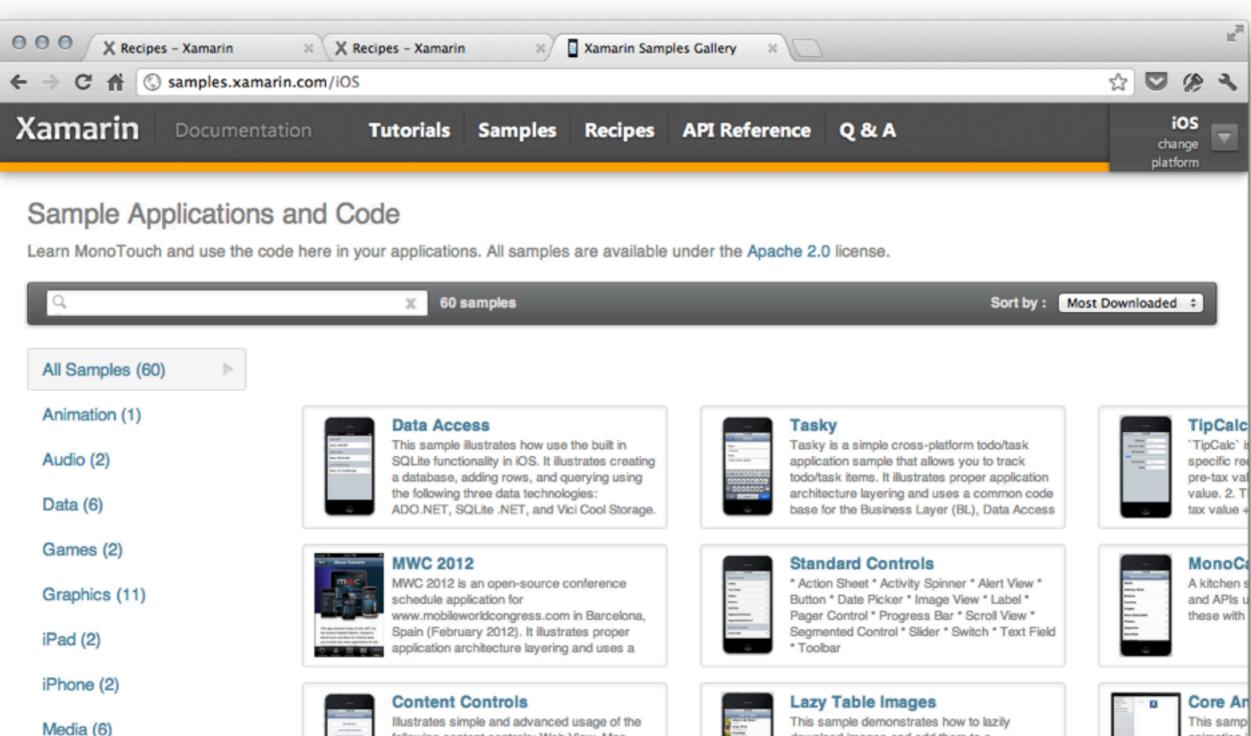


MonoTouch.Dialog

```
public class Expense
    [Section("Expense Entry")]
    [Entry("Enter expense name")]
    public string Name;
    [Section("Expense Details")]
    [Caption("Description")]
    [Entry]
    public string Details;
    [Checkbox]
    public bool IsApproved = true;
    [Caption("Category")]
    public Category ExpenseCategory;
```









following content controls: Web View, Map View, Search Controller, Navigation Bar, and Tab Bar Controller. Web View - Contains a simple web browser built around the Web View



download images and add them to a prepopulated table.



animation Animations block anim animations



HTTP Client

An example on using both the .NET and Objective-C classes to send a web request in one MonoTouch application.



Map Callouts Demo

An example of how to use the MapKit framework, displaying a map view with a custom MKAnnotations with custom callouts. Based on the Apole sample:



Notifica

This samp respond to register the notification



Navigation (4)

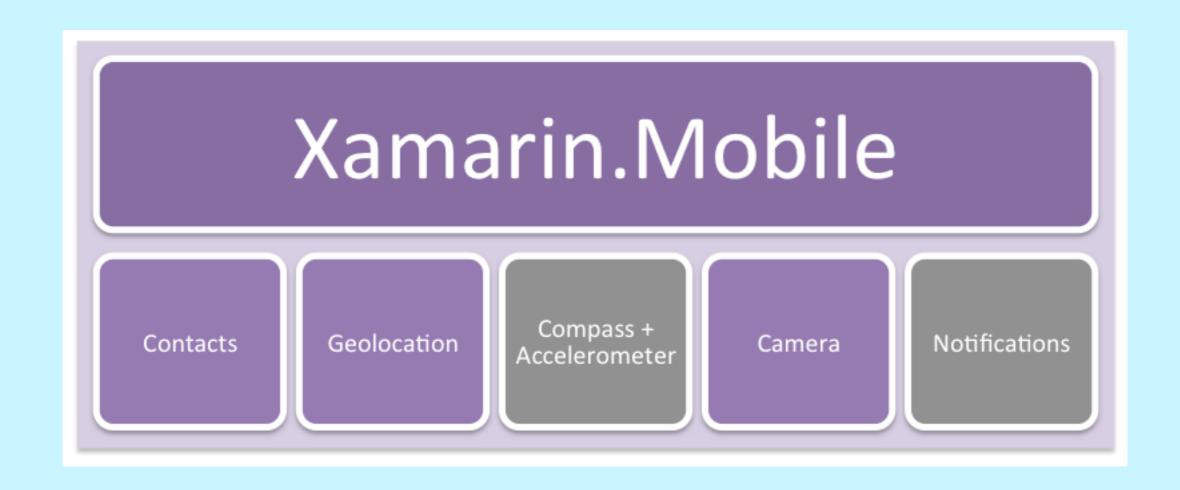
Multitasking (1)

MIDI (1)

Beyond iOS

- > Mono for Android
- > WP7
- > Xamarin.Mobile
 - Contacts
 - Geolocation
 - Camera

Xamarim. Mobile



@kouphax

james@yobriefca.se

