

iPhone / iPad Dev.

What's the difference?



Me

w/ Skookum for over 2 years

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Why Me?

Developing on iOS for over a year.
That's about 1/4 of its existence.

Some stuff I made in the App Store:



Overview



Size Matters



320x480

640x960

(3:2)

1024x768

(4:3)



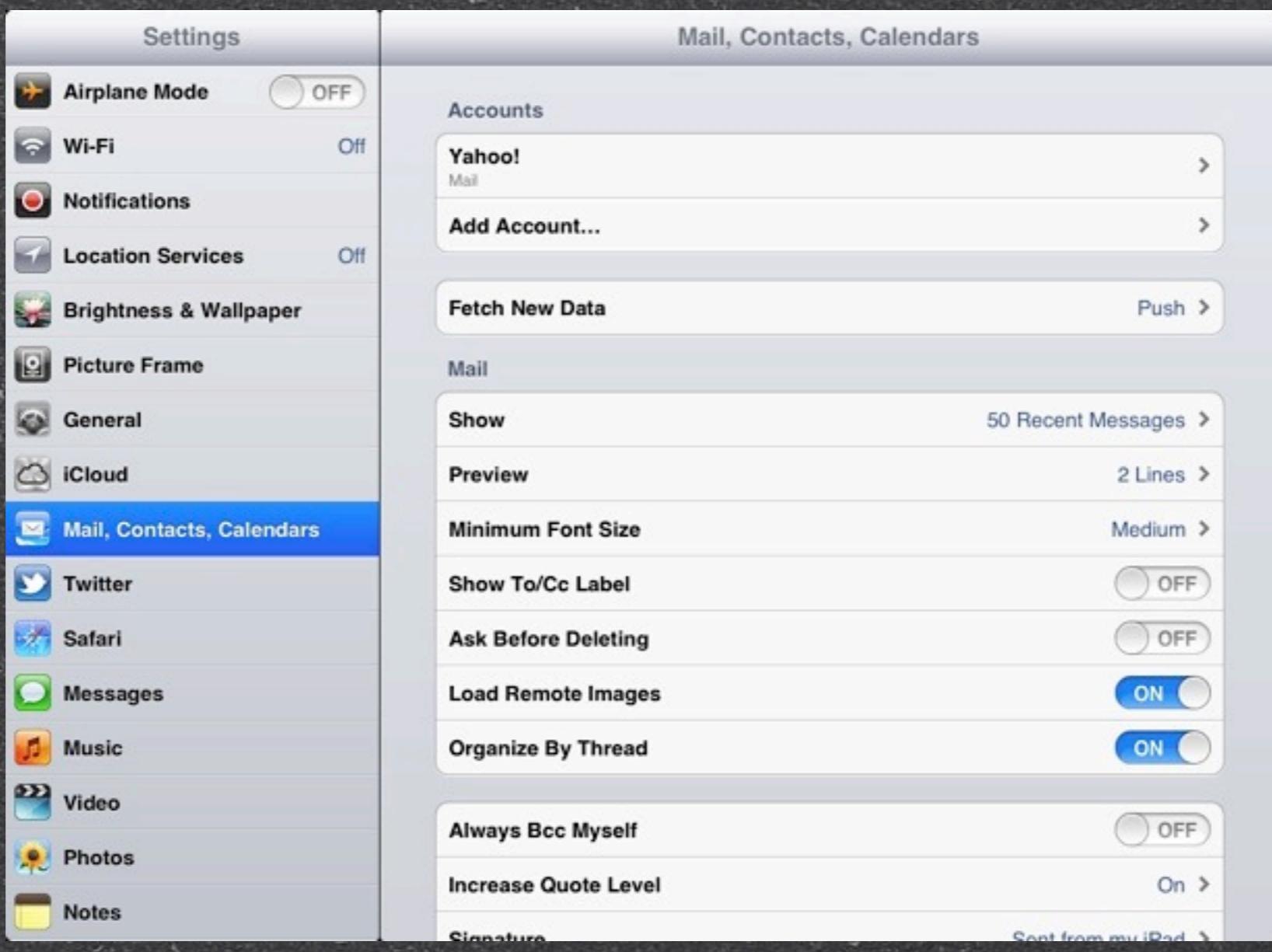
Lets start with the similarities

- Run the same OS
- Same multi-touch screens
- Same coding interface (Xcode)
- Same Complier/Interpreter/Simulator/etc.
- Can be compiled into the same binary
- iPad programming is basically the same as iPhone programming but with more stuff.



Tell me what this stuff is!

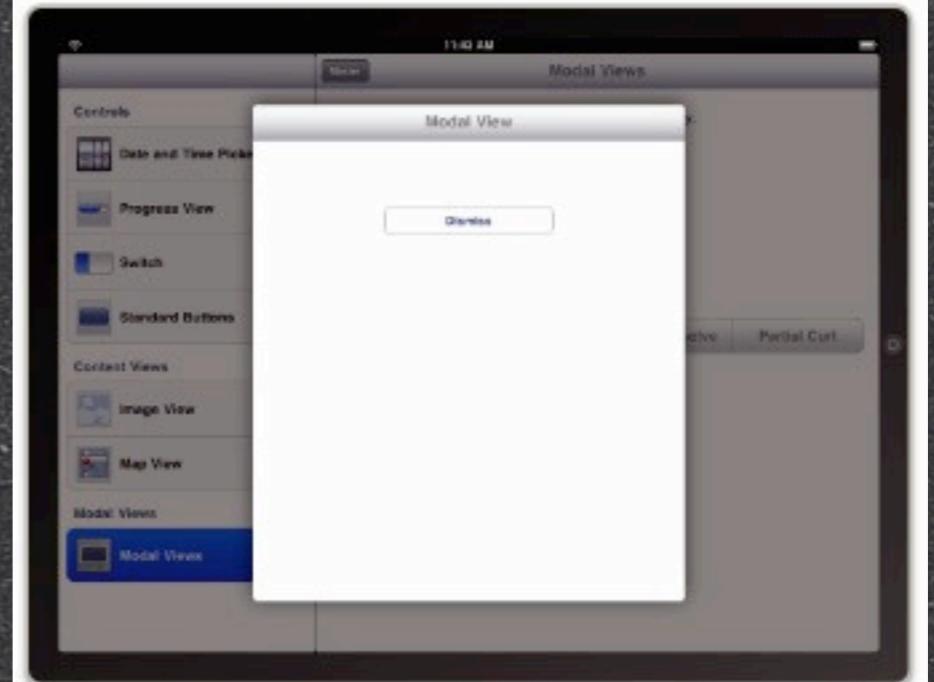
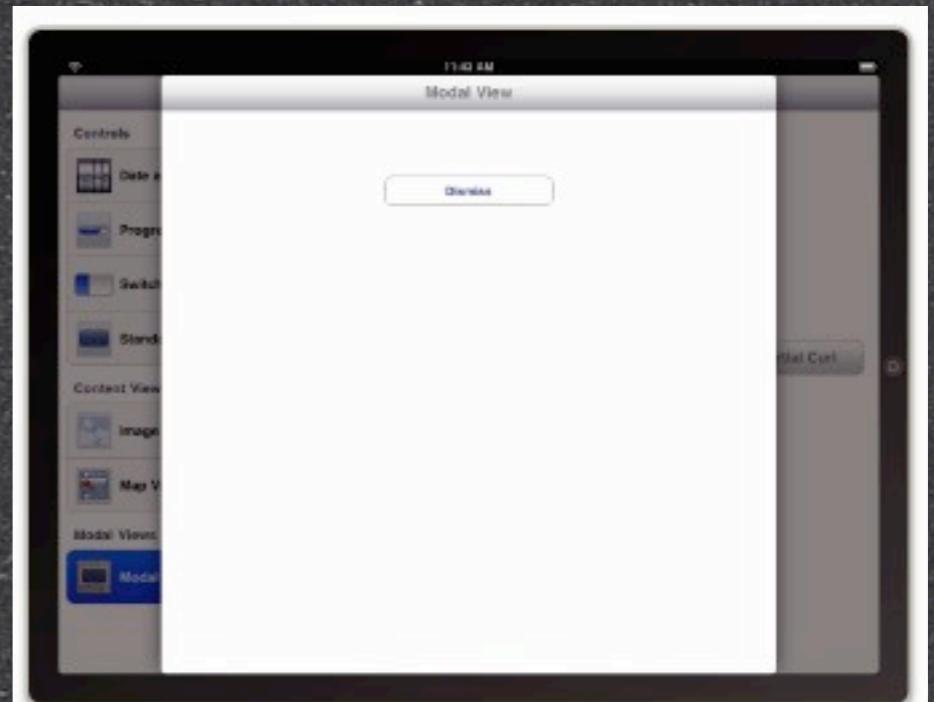
Split View (master/detail control)



Tell me what this stuff is!

Modal Views that
don't take over
the entire screen.

(you are still responsible
for allowing the user to
dismiss the modal screen even
though the background content
is still visible)



Tell me what this stuff is!

Popover controller

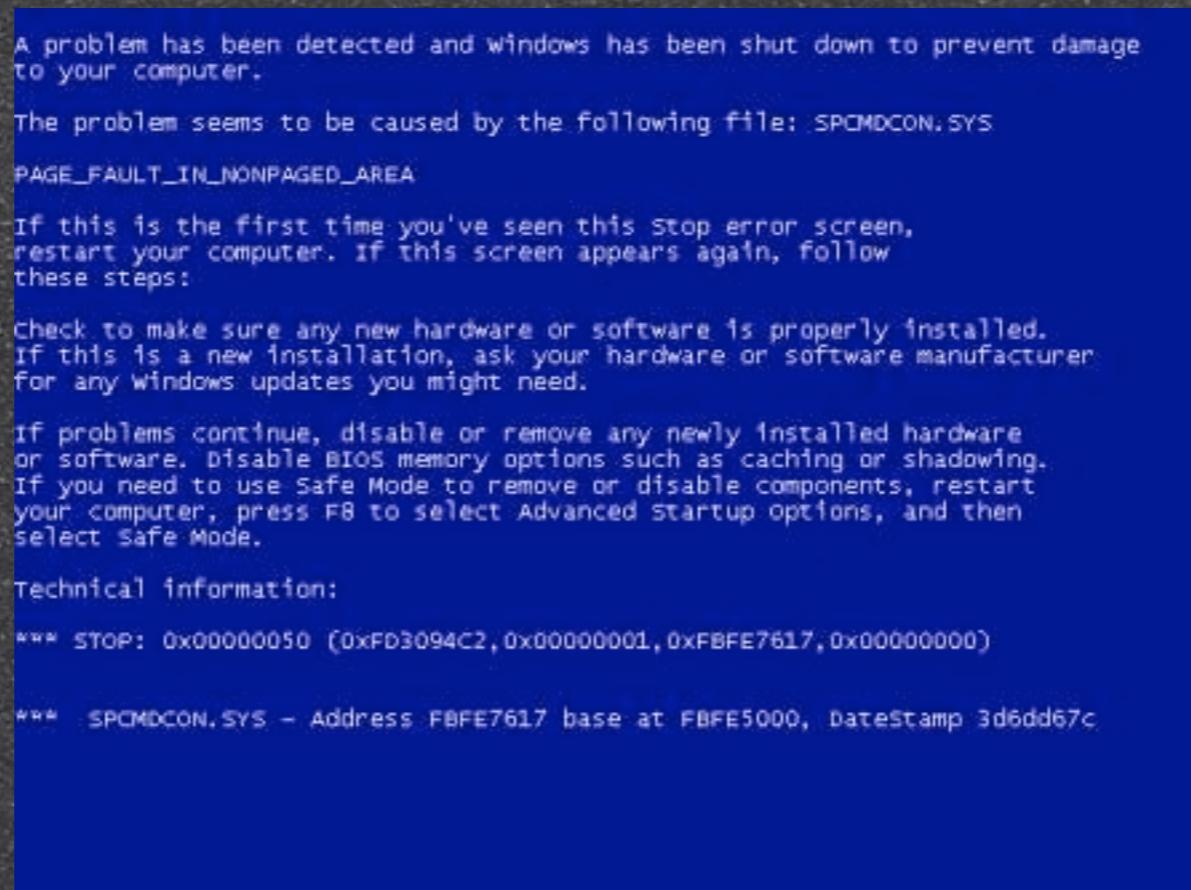
Used to display a transient view that has an anchor.



In Depth



So what happens if you try and use a popover controller on an iPhone running the same exact version of iOS?



OK, well not quite... but your app WILL crash.



Building a universal app

- Detecting iPad or iPhone -

- ➊ How could we do this?
 - ➋ Check the screen size?
 - NO - iPhones have 2 screen sizes
 - ➋ Check the device version string?
 - NO - Apple adds new devices frequently
- ➋ Apple provides a way to do this with a “Device Idiom” constant.



Building a universal app

- Detecting iPad or iPhone -

```
if (UI_USER_INTERFACE_IDIOM() == UIUserInterfaceIdiomPad)
{
    //Do something iPad related
}
else
{
    //Do something iPhone/iPod Touch related
}
```

Those two constants are:

UIUserInterfaceIdiomPad & **UIUserInterfaceIdiomPhone**



Things That Behave Differently

Thing That Behaves Differently

UIActionSheet

Creating a UIActionSheet on the iPhone and iPad are identical procedures except:

- You can pin a UIActionSheet to a UIBarButtonItem or a CGRect().
- If you don't provide an anchor, the UIActionSheet will appear in the center of the app.



Demo



Questions?
Compliments?
Criticism?
Monetary Gifts?

Fin.



