iOS Dev (in Swift)

What I wish I had been told instead of "RTFM"

Alex Popov • @alexpopovjr • hello@alexpopov.ca



About Me

Principal iOS dev @ Shelfie

Coming Up

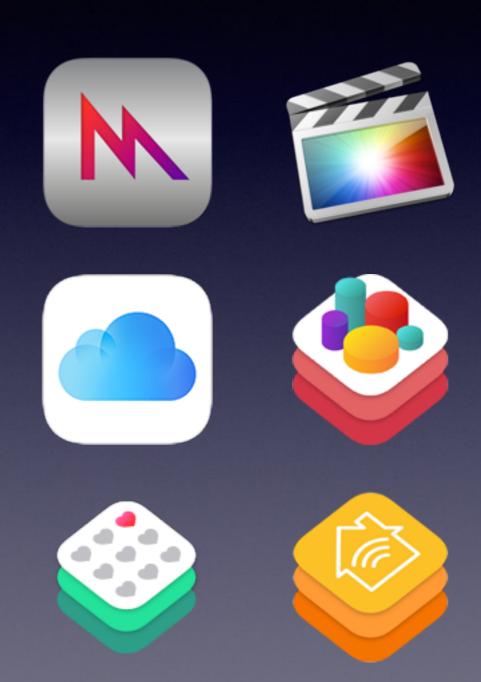
- Where to start
- High-level Concepts
- Best Practices

É Developer Program

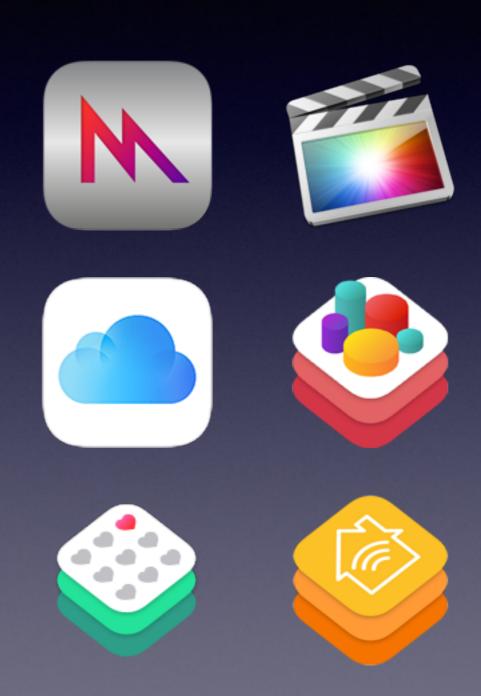




- Problem
- Fun
- WWDC



- Swift
- Objective-C



- Swift
- Objective-C
 - Low-level
 - AVFoundation
 - Games

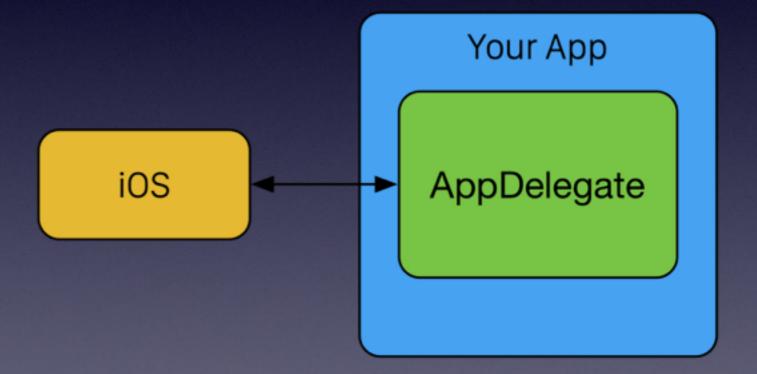


Note on Languages

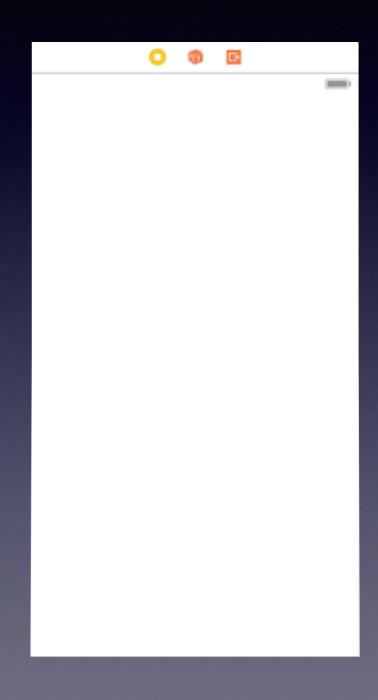
- Writing code is easy
- Software engineering is hard

- iOS
- AppDelegate
- ViewController
- View
- Model

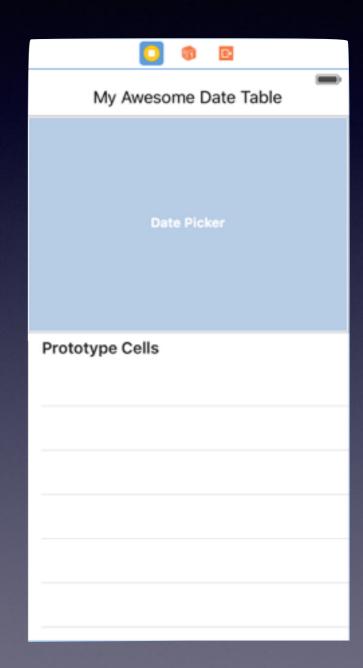
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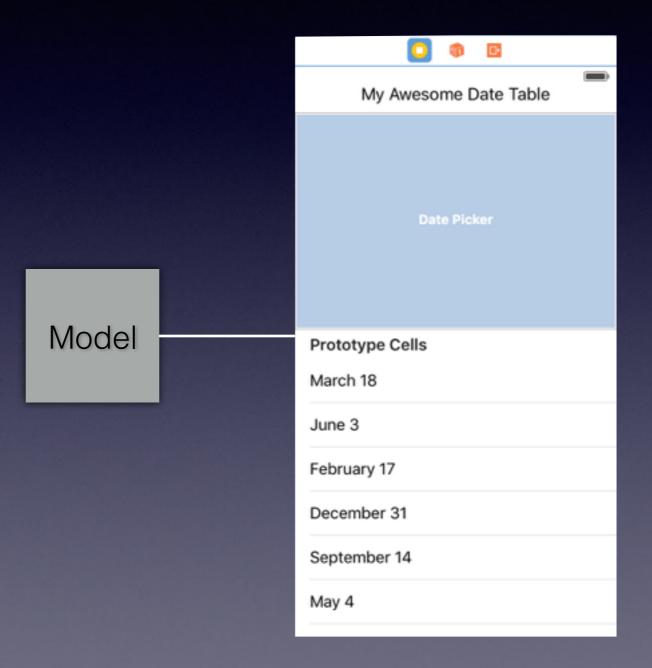
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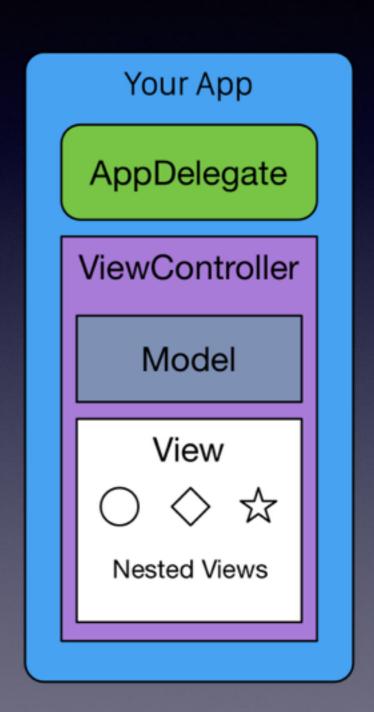
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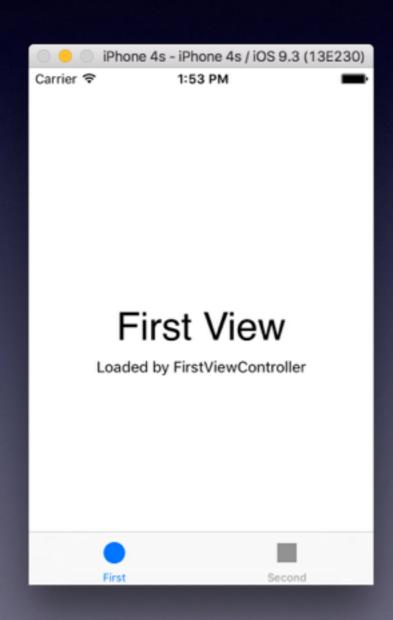
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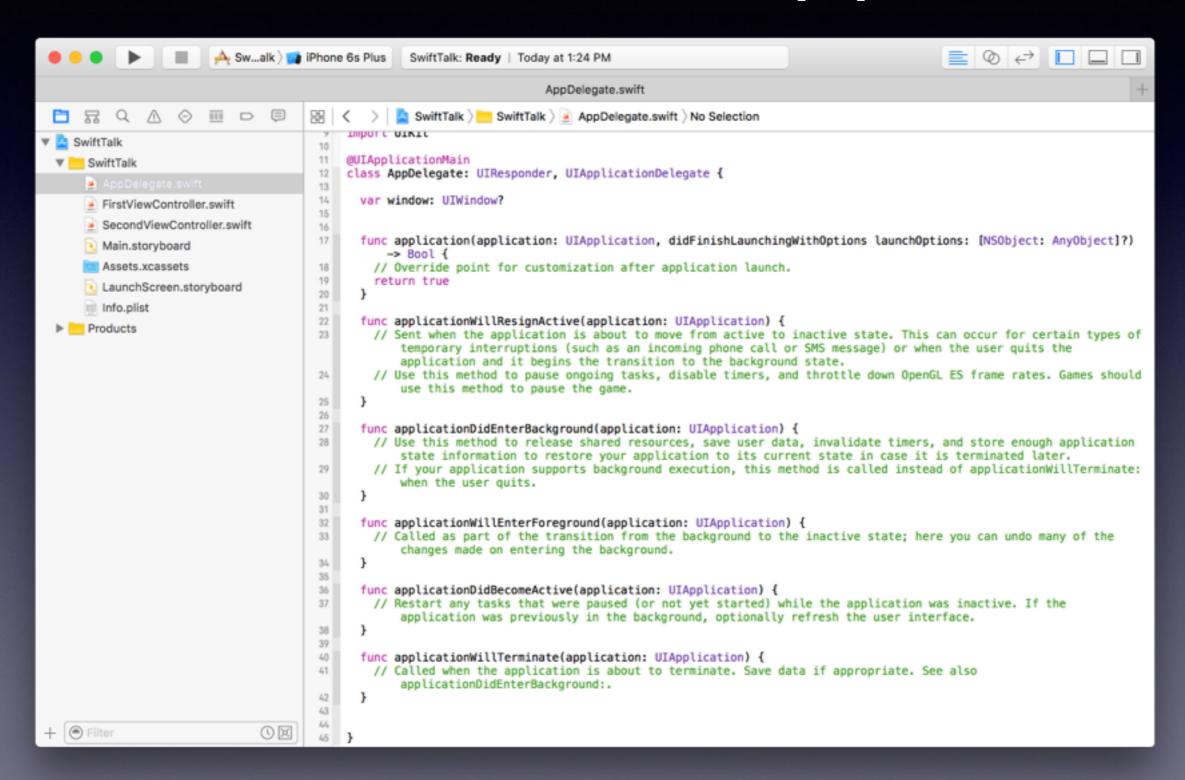


Your First App

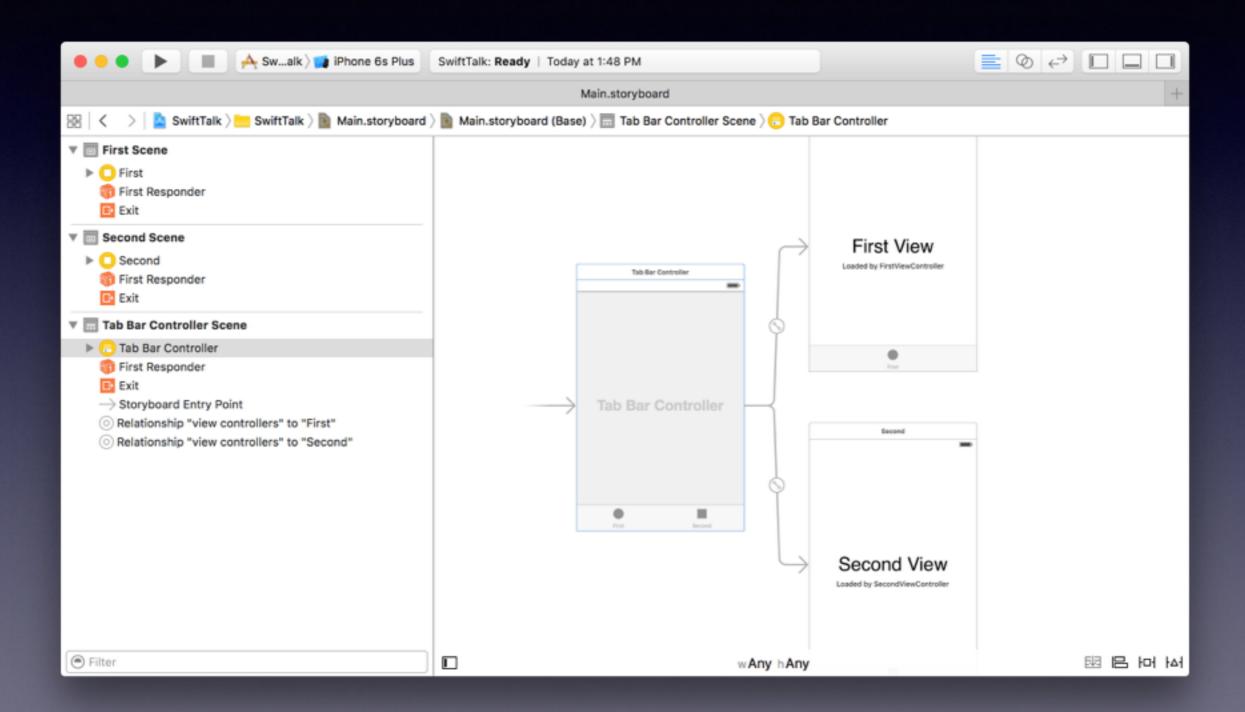




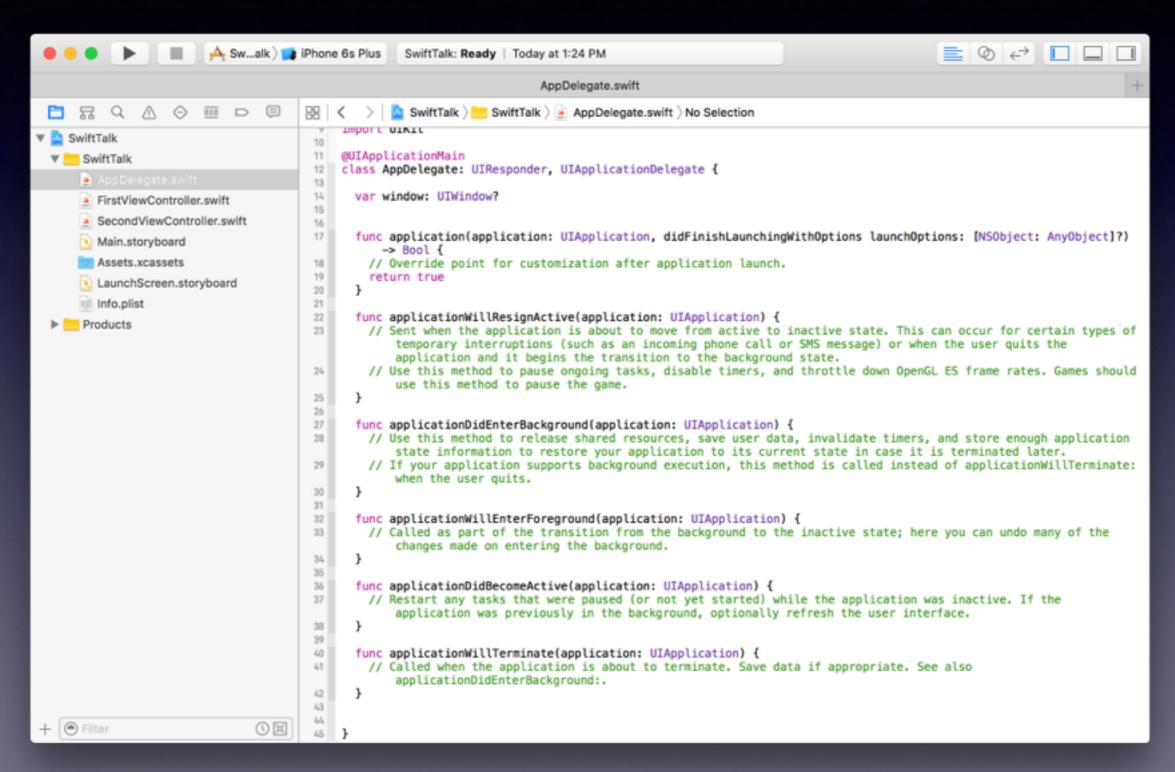
Your First App



Your First App



AppDelegate



AppDelegate

Entry point:

```
application(_, didFinishLaunchingWithOptions:)
```

- Initial View Hierarchy
- Singletons
- Services

```
import UIKit

class FirstViewController: UIViewController {
  override func viewDidLoad() {
    super.viewDidLoad()
    // Do any additional setup after loading the view,
    // typically from a nib.
  }
}
```

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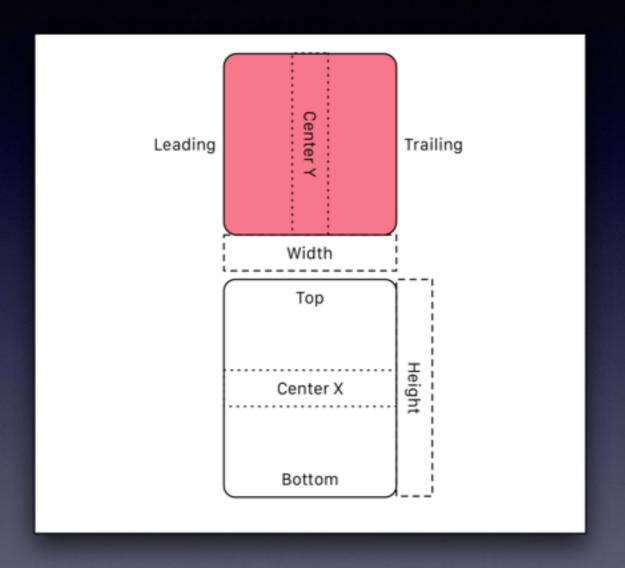
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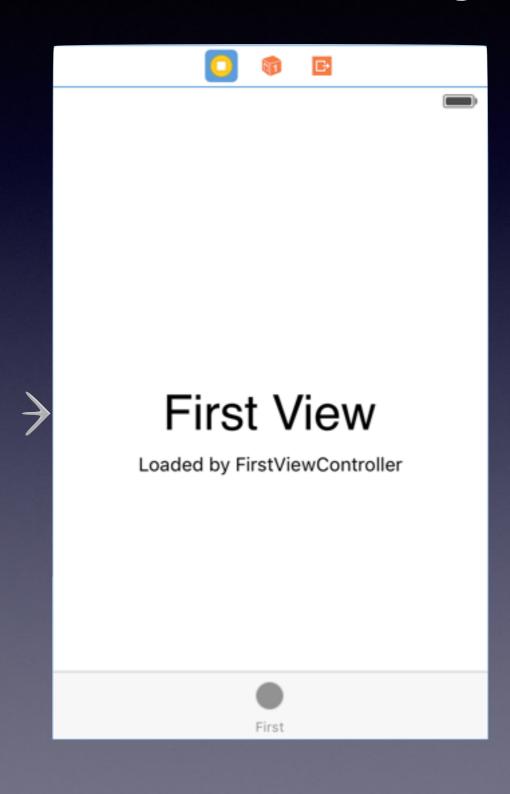
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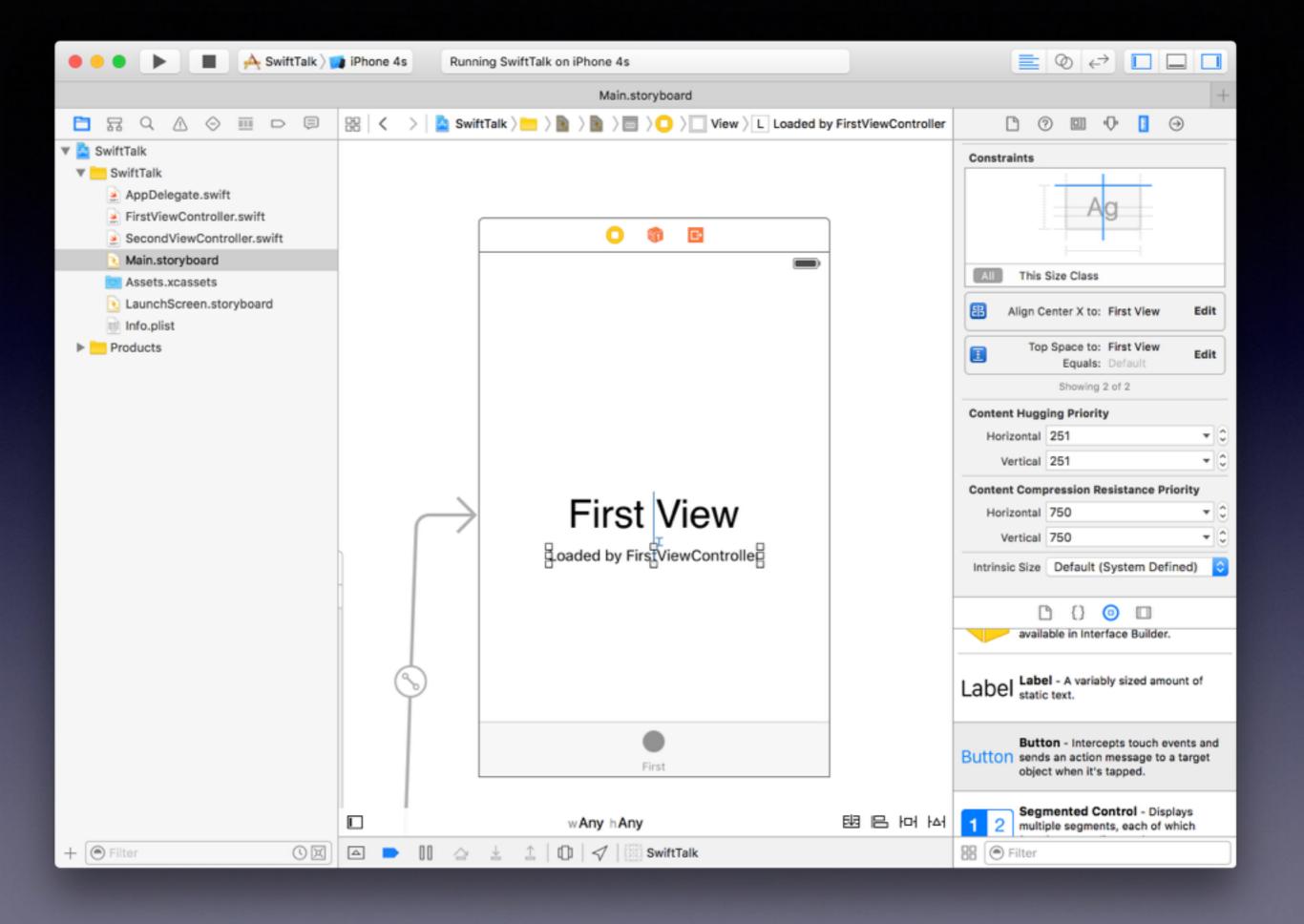
- Dumb
- Imported from UIKit
- Autolayout
- Constraints

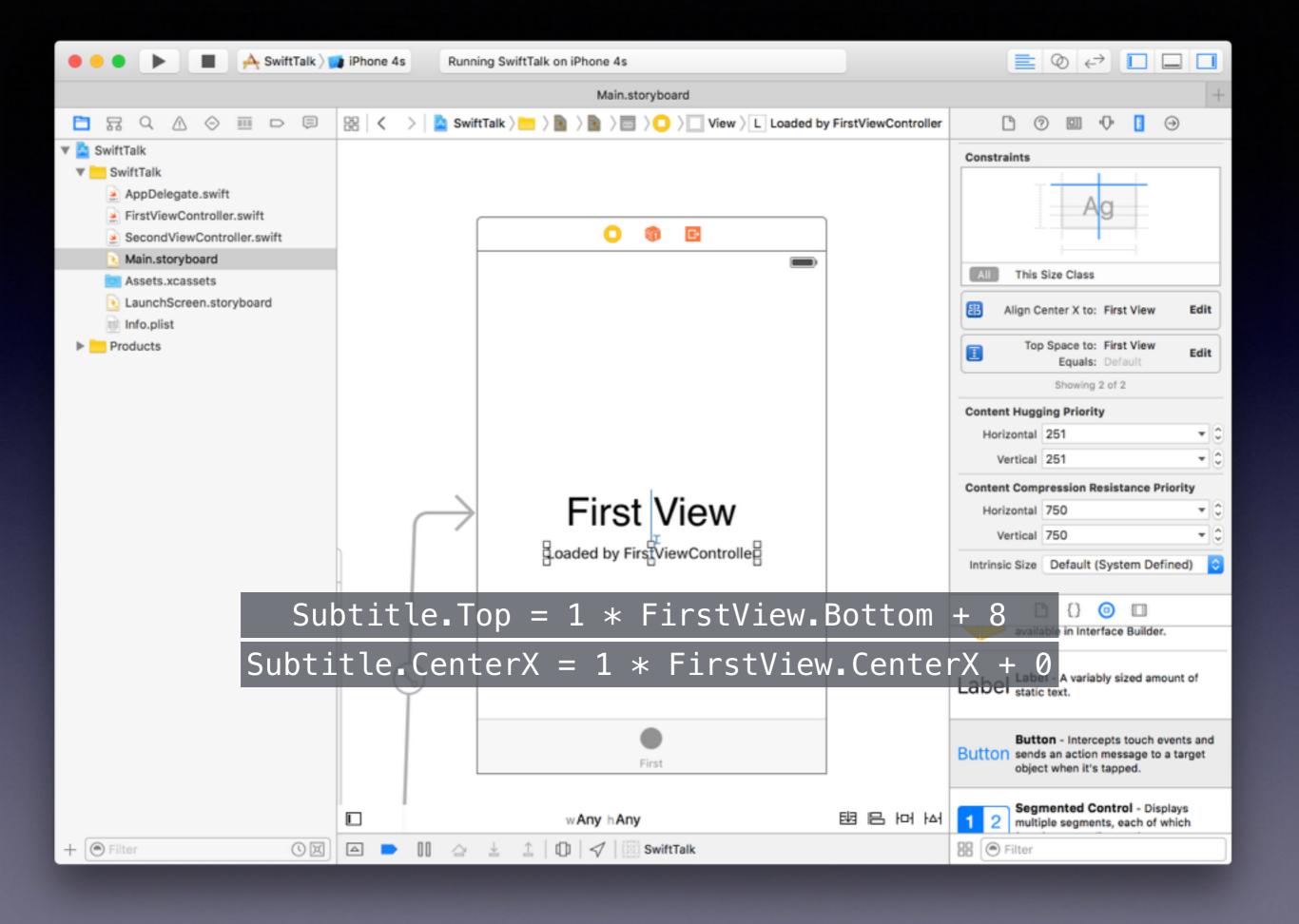


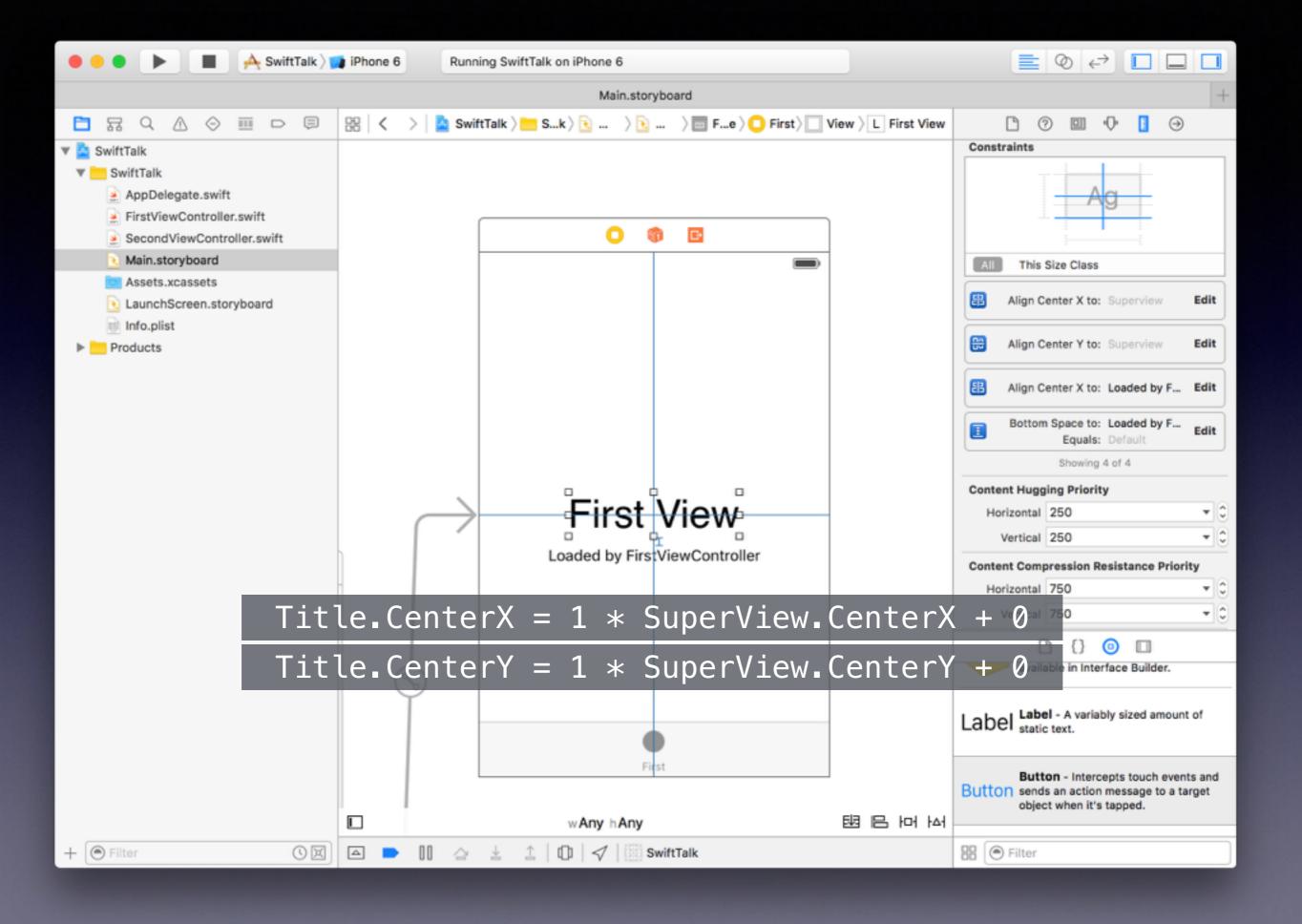
$$Y = m*X + B$$

WhiteBox.Top = 1.0 * PinkBox.Bottom + 20

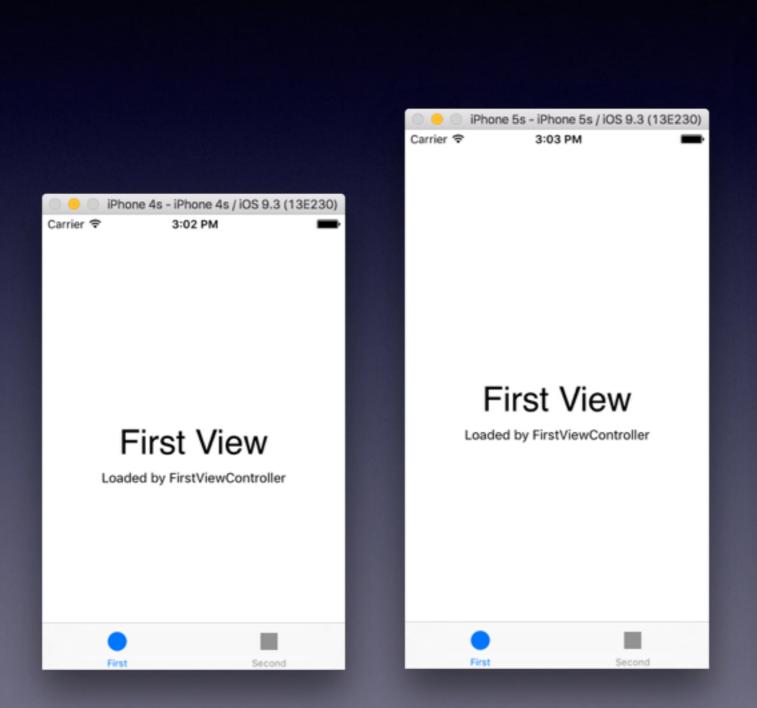


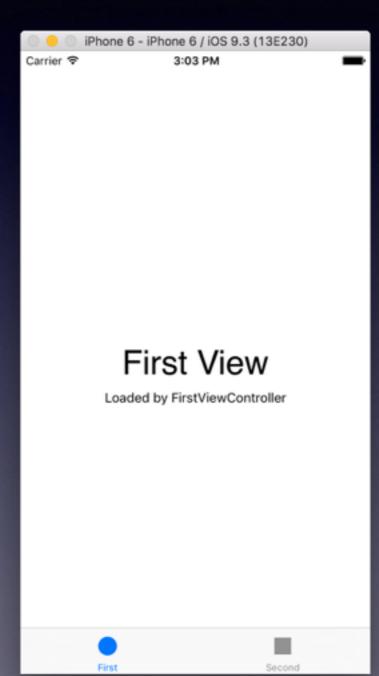






- Must be unambiguous
 - X
 - Y
 - Width
 - Height





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- AutoLayout

Best Practices & Tips

- Structs
- Protocols
- Strongly-typed
- map-filter-reduce
- Futures