

Using 3rd Party Libraries / Frameworks in iOS

Lecture 11

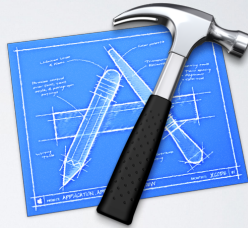
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(COCOAPODS)



TOPICS

- Motivation
- Useful Third Party Libraries
- Working with CocoaPods



WHY USE 3RD PARTY LIBRARIES?

- Duh....
 - Avoid reinventing the wheel?
 - Take advantage of tons of amazing open source software - often written by smarter-than-average developers!
 - Make your app more feature rich (and shiny) with less work!

AFNETWORKING

- Most popular networking library for iOS
- Extends the foundation networking frameworks on iOS.
- More info: <https://github.com/AFNetworking/AFNetworking>



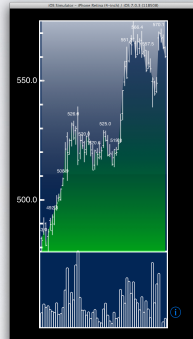
NIMBUS

- iOS toolkit with commonly needed components
- Well documented!
- <http://nimbuskit.info/>



CORE PLOT

- 2D Plotting Framework for iOS and OS X.
- Supports a wide variety of different kinds of graphs/plots.
- <https://github.com/core-plot/core-plot>

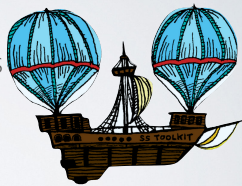


FMDB

- An Cocoa/Objective-C wrapper around SQLite
- Higher level API that makes interacting with SQLite DB's easy.
- <https://github.com/ccgus/fmdb>

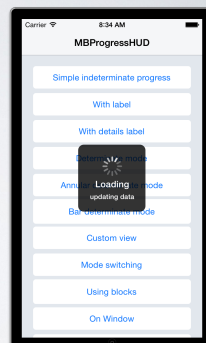
SS TOOLKIT

- a collection of well-documented iOS classes for making life easier by solving common problems all iOS developers face.
- <http://sstooldk.it/>



MBPROGRESSHUD

- translucent HUD with an indicator and/or labels while work is being done in a background thread.
- <https://github.com/jdg/MBProgressHUD>



freestyle

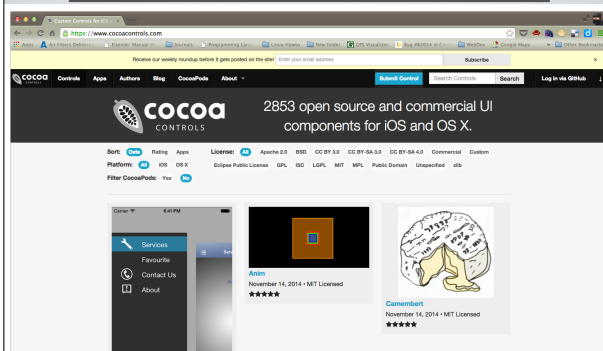
- Style your native iOS/Android apps using CSS
- Open source project has graduated into a startup (pixate.com - beautiful but not free)!
- <http://www.freestyle.org/>

FONT AWESOME FOR IOS

- a Objective-C category that brings Font awesome (an iconic font) to iOS.
- <https://github.com/alexdrone/ios-fontawesome>



COCOACONTROLS.COM



COCOAPODS

- A popular dependency manager for Objective-C projects.
- Thousands of libraries/frameworks supported.
- Popular in the open source community.
- <http://cocoapods.org/>



WHY A DEPENDENCY MGR?

- Why not just manually download library/framework and add to your project?
 - library code is stored in each project you use it, wasting space.
 - No global catalog of available libraries that you can search..
 - Difficult to update libraries to a new version, especially if several libraries need to be updated together.
 - You will be tempted to modify the code, making future updates difficult!

COCOAPODS DEMO