



IOS Overview

Witcha Feungchan

2013





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IOS Overview

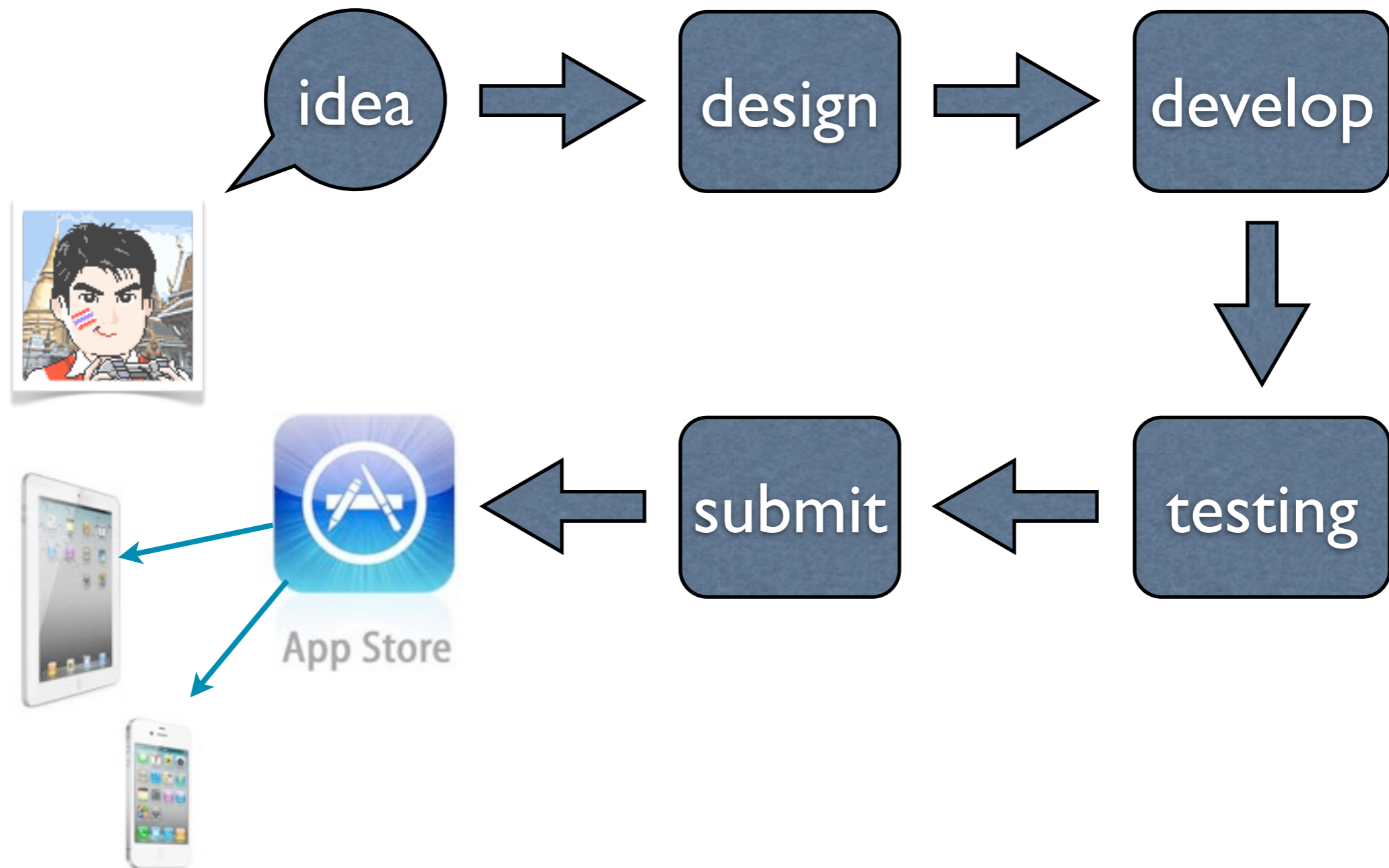
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Overview

- Development Process
- Tools
- IOS5 SDK
- IOS framework
- How to build Cool Apps?

Development Process



All in One Tools



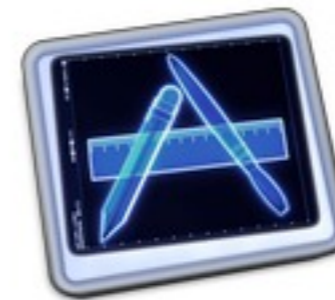
Xcode
V.4.6.3
V.5. Preview



iOS Simulator



Interface Builder



Instrument

Language

- Objective C
- [obj method : argument]
- [hello drawAtPoint:location withFont:font];

IOS 6.1 SDK IOS 7 SDK beta

Resources for iOS 6

- Downloads**
Download the latest build of iOS SDK
- Getting Started Videos**
Watch Apple experts discuss a range of introductory concepts for iOS development.
- Getting Started Documents**
Learn the fundamental concepts and best-practices for iOS development.
- iOS Developer Library**
Select from a range of technical documentation on iOS 6.1 development.
- iOS Developer Library - Pre-Release**
Select from a range of technical documentation on iOS 7 development.
- iAd JS Developer Library**
Get technical documentation on developing with iAd JS.
- Sample Code**
Use these samples to inspire development of your own great applications.
- Apple Developer Forums**
Discuss iOS development with other developers and Apple engineers.

Featured Content

- Create Apps for iOS 6
- What's New in iOS 6
- Passbook for Developers
- iCloud for Developers
- Newsstand for Developers
- Game Center for Developers
- In-App Purchase for Developers
- Push Notifications for Developers
- Using iAd in Your iOS Apps
- App States and Multitasking

iOS Developer Program

- Certificates, Identifiers & Profiles
- iTunes Connect
- Apple Developer Forums
- Developer Support Center

App Store Resource Center

- Prepare for App Submission
- App Store Approval Process
- Managing Apps
- Marketing Resources

RSS News & Announcements

Updated Guidelines Now Available
June 14, 2013

New Resources for Registered Apple Developers
June 13, 2013

Create Bots for Continuous Integration in Xcode 5
June 13, 2013

Downloads



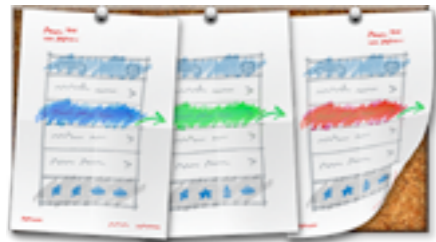
Xcode 4.6.3
This is the complete Xcode developer toolset for Mac, iPhone, and iPad. It includes the Xcode IDE

Download Xcode 4

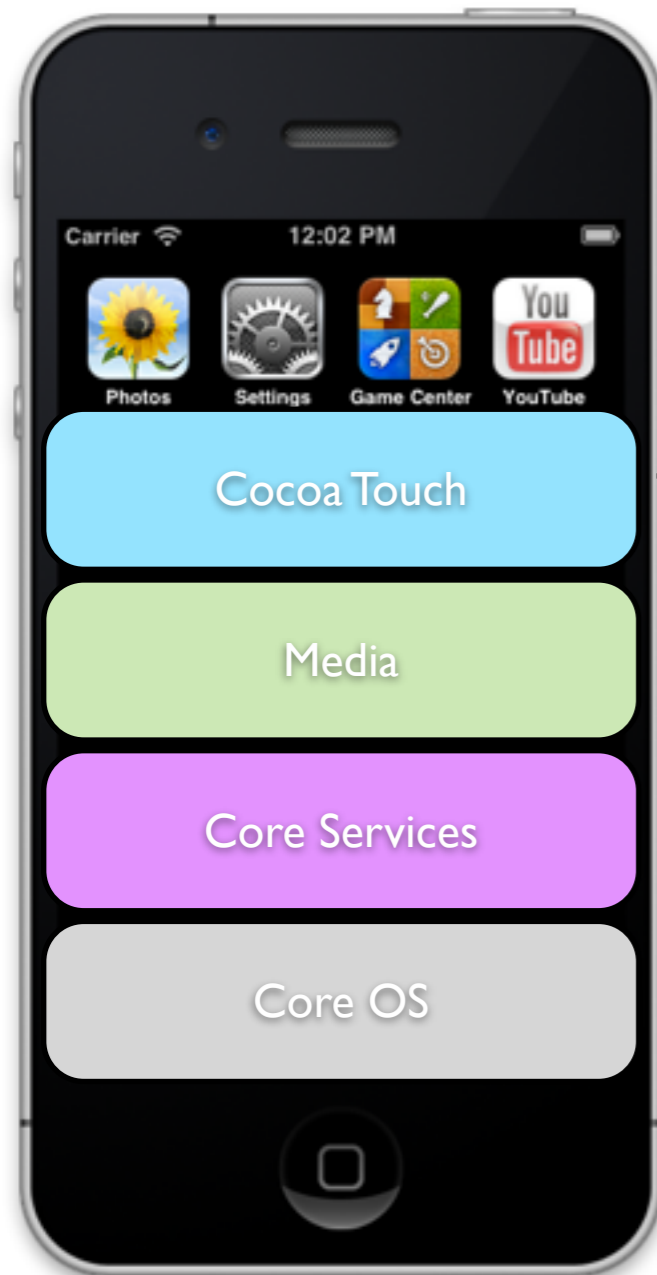
Posted Date: June 13, 2013



IOS SDK

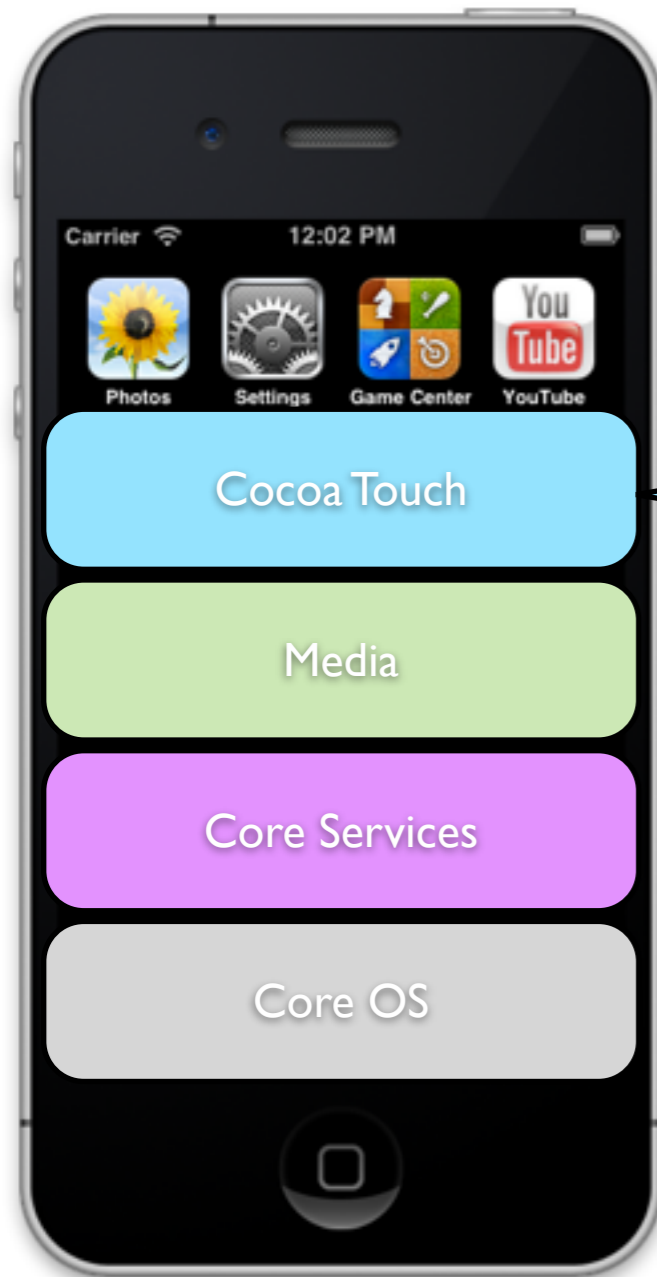


IOS Framework



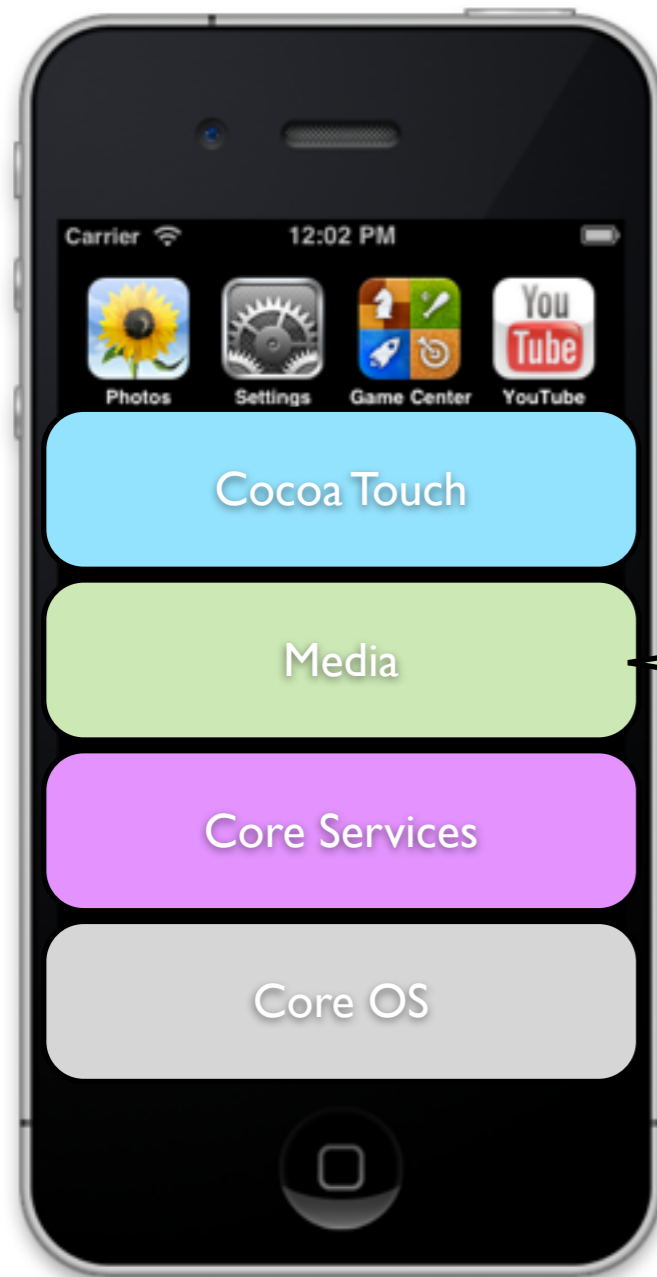
- high-level application features
- Multitasking
- Printing
- Data Protection
- Push Notification
- Gesture Recognizers
- FileSharing
- Peer-to-Peer
- System View Controllers
- External Display
- Multi-touch
- Core Motion
- Web View
- Camera
- Controls
- Localization
- Image Picker
- Address Book
- Alert

IOS Framework



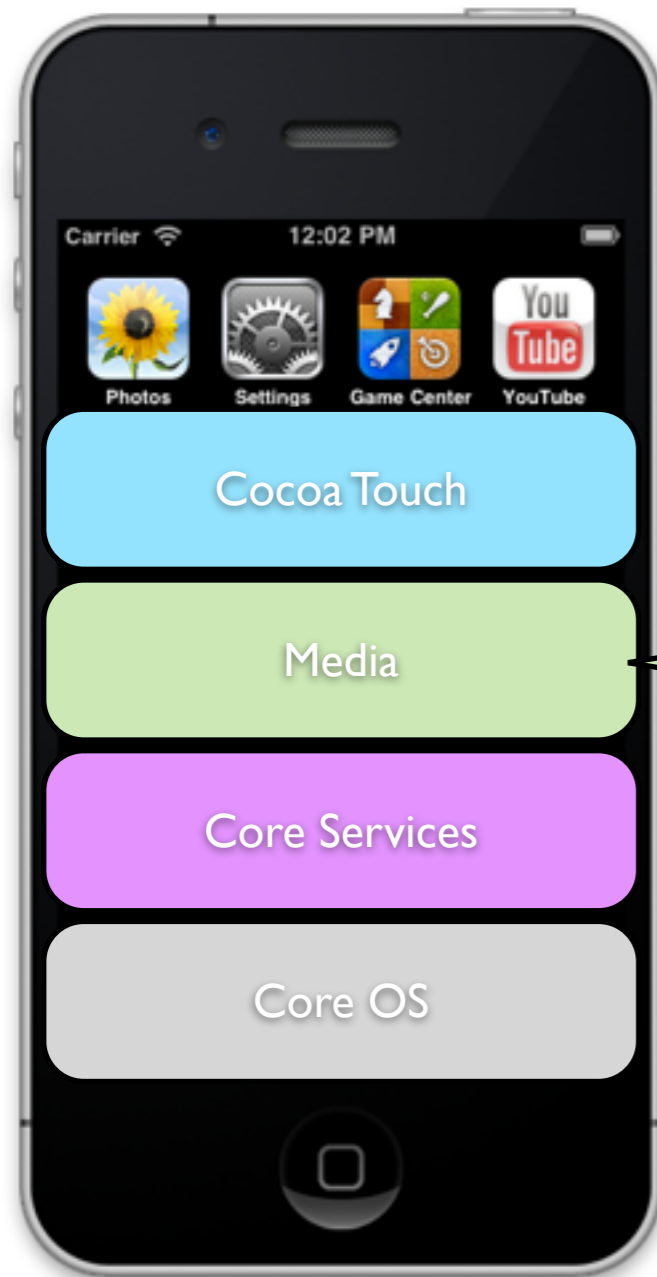
- Address Book UI Framework
- Event Kit Framework
- Game Kit Framework
- iAds Framework
- MapKit Framework
- Message UI Framework
- **UIKit Framework**

IOS Framework



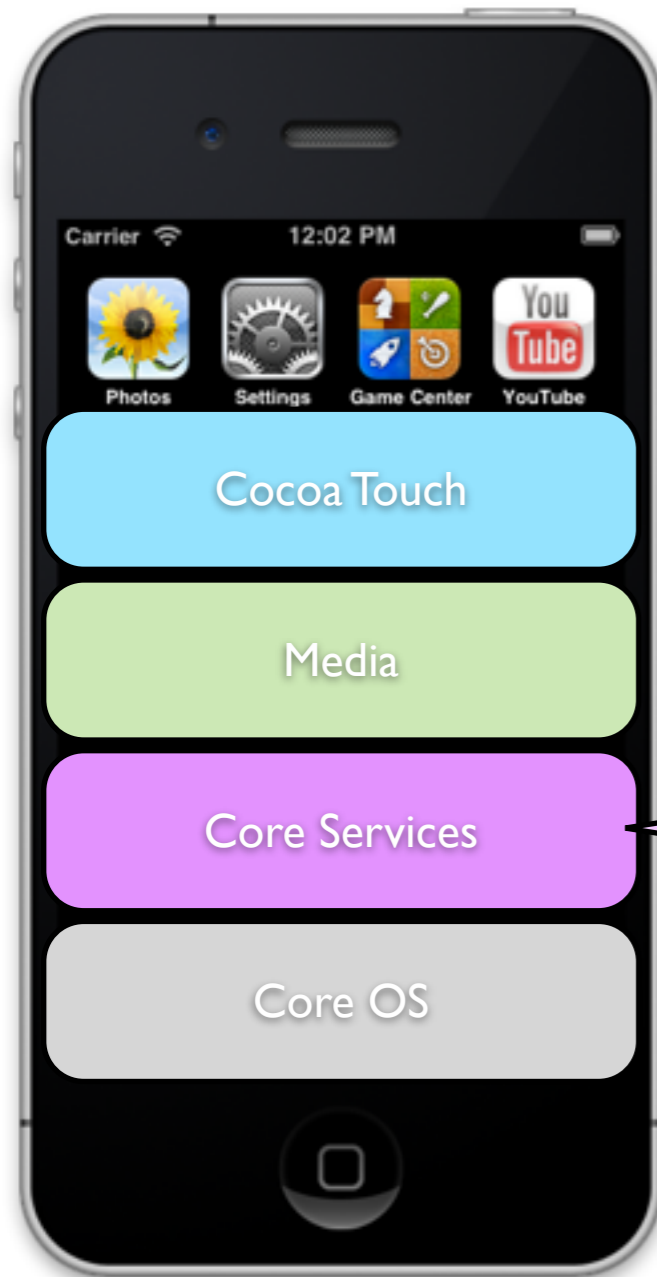
- Visual Audio Content (iPod Layer)
- Core Audio
- Core Animation
- OpenGL ES
- Open AL
- Audio Mixing Recording Playback
- Quartz
- Images format
- PDF

IOS Framework



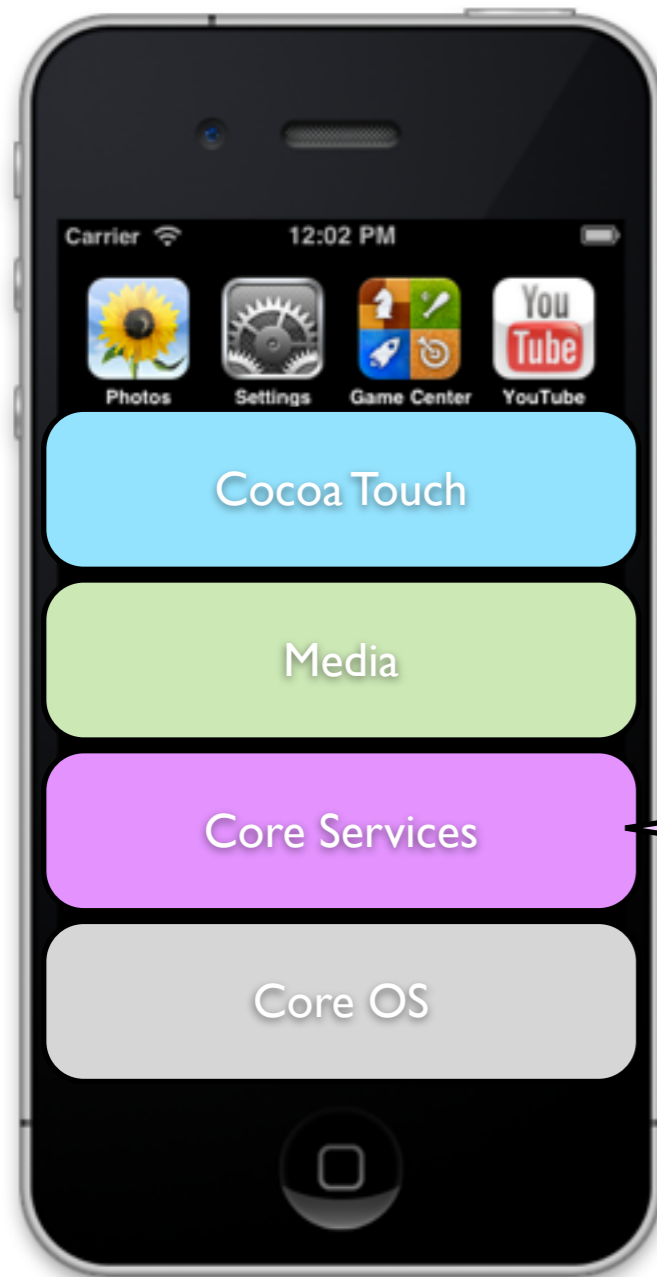
- Assets Library Framework
- AV Foundation Framework
- Core Graphics Framework
- Core MIDI Framework
- Core Text Framework
- Core Video Framework
- Image I/O Framework
- Media Player Framework
- OpenAL Framework
- OpenGL ES Framework
- Quartz Core Framework

IOS Framework



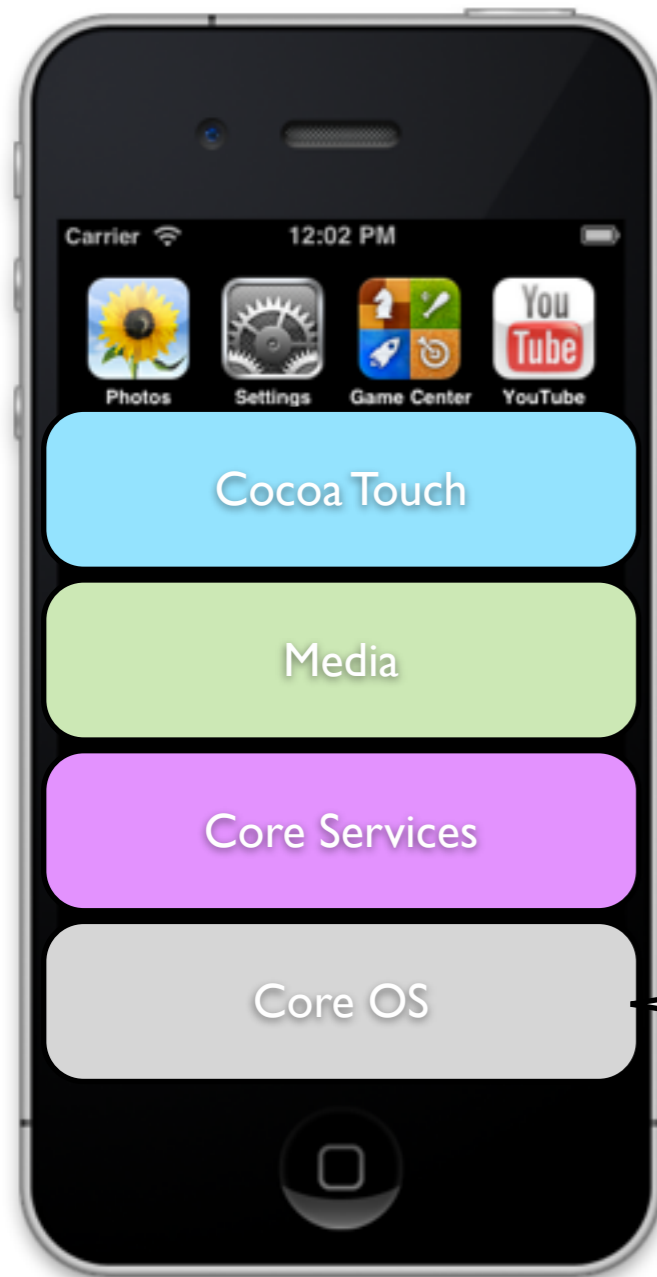
- Handle a variety of hardware specific
- Core location
- Address book
- Net Service
- Networking
- Threading (GCD)
- File Access
- SQLite
- URL
- Preferences

IOS Framework



- In-App Purchase
- SQLite
- XML Support
- Address Book Framework
- CFNetwork Framework
- Core Data Framework
- Core Foundation Framework
- Core Location Framework
- Core Media Framework
- Core Telephony Framework
- Event Kit Framework
- Foundation Framework
- Mobile Core Services Framework
- Quick Look Framework
- Store Kit Framework
- System Configuration Framework

IOS Framework



- Low Level blocks
- OSK Kernel
- Accelerate Framework
- External Accessory Framework
- Security Framework
- System
 - Memory Allocation
 - Math Computation
 - I/O
 - File system
 - Networking (Socket)
 - Bonjour
 - Keychain Access
 - Power management

MVC Design Pattern

- MVC based design
 - Model
 - Controller
 - View

How to build a cool app?

- Imagination
- Cool features
- Possible technology in IOS
- Knows your audiences