

Developing iOS Applications, Part II

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Outline

Swift

Storyboards, Size Classes, Autolayout

Container Controllers, Segues

Delegation, Tables

Networking, Threading

Swift

- ▶ Introduced in 2014, compatible with iOS7+.
- ▶ <https://developer.apple.com/swift/>
- ▶ https://developer.apple.com/library/prerelease/ios/documentation/Swift/Conceptual/Swift_Programming_Language/TheBasics.html
- ▶ <https://itunes.apple.com/us/book/swift-programming-language/id881256329?mt=11>

Storyboards, Size Classes, Autolayout

- ▶ <https://developer.apple.com/library/ios/referencelibrary/GettingStarted/RoadMapiOS/SecondTutorial.html>
- ▶ <https://developer.apple.com/library/ios/documentation/UserExperience/Conceptual/MobileHIG/LayoutandAppearance.html>
- ▶ <https://developer.apple.com/library/ios/documentation/UserExperience/Conceptual/AutolayoutPG/Introduction/Introduction.html>

Storyboards, Size Classes, Autolayout

- ▶ UIStoryboard, NSLayoutConstraint, UILabel, UIButton, UIImageView

Container Controllers, Segues

- ▶ <https://developer.apple.com/library/ios/featuredarticles/ViewControllerPGforiPhoneOS/Introduction/Introduction.html>

Container Controllers, Segues

- ▶ UIViewController, UINavigationController, UITabBarController, UISplitViewController, UIStoryboardSegue

Delegation, Tables

- ▶ `https://developer.apple.com/library/ios/documentation/UserExperience/Conceptual/TableView_iPhone/AboutTableViewsiPhone/AboutTableViewsiPhone.html`

Delegation, Tables

- ▶ UITableView, UITableViewCell, UITableViewDataSource, UITableViewDelegate, UITableViewController, UIRefreshControl

Networking, Threading

- ▶ <https://developer.apple.com/library/ios/documentation/NetworkingInternetWeb/Conceptual/NetworkingOverview/Introduction/Introduction.html>
- ▶ <https://developer.apple.com/library/mac/documentation/General/Conceptual/ConcurrencyProgrammingGuide/OperationObjects/OperationObjects.html>

Networking, Threading

- ▶ NSURLSession, NSURLSessionConfiguration, NSURLSessionDownloadTask, NSURLConnection, NSURLRequest, NSURLResponse, NSError, NSData, dispatch_async, dispatch_get_main_queue, dispatch_get_global_queue, UIAlertController, NSOperationQueue, NSOperation