

综述



扫码试看/订阅

《Swift核心技术与实战》视频课程

简介

```
target 'toolKitDemo' do
  # Comment the next line if you don't want to use dynamic frameworks
  use_frameworks!

  # Pods for toolKitDemo
  pod 'Alamofire', '~> 5.0.0-rc.2'
  pod 'SwiftyJSON', '~> 4.0'
  pod 'R.swift'
  pod 'MonkeyKing'
  pod 'Kingfisher'
  pod 'SnapKit', '~> 5.0.0'
  pod 'Dollar'
end
```

网络请求-Alamofire

简介

- Alamofire 是在苹果 URL Loading System 基础上封装的网络库，简单易用并且可扩展。
- <https://github.com/Alamofire/Alamofire>

基本用法

- AF 命名空间，链式调用。

```
AF.request("https://time.geekbang.org/").response { response in  
    debugPrint(response)  
}
```

request 方法详解

```
public static fun request(_ url: URLConvertible,  
    method: HTTPMethod = .get,  
    parameters: Parameters? = nil,  
    encoding: ParameterEncoding =  
        URLEncoding.default,  
    headers: HTTPHeaders? = nil,  
    interceptor: RequestInterceptor? = nil)  
    -> DataRequest {  
return Session.default.request(url,  
    method: method,  
    parameters: parameters,  
    encoding: encoding,  
    headers: headers,  
    interceptor: interceptor)
```

JSON - SwiftyJSON

SwiftyJSON

- <https://github.com/SwiftyJSON/SwiftyJSON>
- SwiftyJSON makes it easy to deal with JSON data in Swift.

标准库扩展 - Dollar

Dollar

- <https://github.com/ankurp/Dollar>
- <https://www.dollarswift.org/>
- Dollar is a Swift library that provides useful functional programming helper methods without extending any built in objects. It is similar to Lo-Dash or Underscore.js in Javascript.

Dollar

- Array
- Dictionary
- Object
- Function
- Chaining

Dollar

```
func dollarArrayTest() {  
    print(Dollar.at(["ant", "bat", "cat", "dog", "egg"], indexes: 0, 2, 4))  
    print(Dollar.chunk([1, 2, 3, 4], size: 2))  
    print(Dollar.chunk([1, 2, 3, 4], size: 3))  
    print(Dollar.difference([1, 2, 3, 4, 5], [5, 2, 10]))  
    print(Dollar.groupBy([1, 2, 3, 4, 5], callback: {$0 % 2}))  
    print(Dollar.frequencies(["a", "a", "b", "c", "a", "b"]))  
    print(Dollar.gcd(3, 9))  
    print(Dollar.intersection([1, 2, 3], [5, 2, 1, 4], [2, 1]))  
    print(Dollar.lcm(3, 9))  
    print(Dollar.transpose([[1, 2, 3], [4, 5, 6]]))  
    print(Dollar.union([1, 2, 3], [5, 2, 1, 4], [2, 1]))  
}
```

Dollar

- `curry` (柯里化): 是把接受多个参数的函数变换成接受一个单一参数（最初函数的第一个参数）的函数，并且返回接受余下的参数而且返回结果的新函数的技术。

自动布局 - SnapKit

SnapKit

- <https://github.com/SnapKit/SnapKit>
- SnapKit is a DSL to make Auto Layout easy on both iOS and OS X.

图片加载和缓存 - Kingfisher

Kingfisher

- <https://github.com/onevcats/Kingfisher>
- Kingfisher is a powerful, pure-Swift library for downloading and caching images from the web. It provides you a chance to use a pure-Swift way to work with remote images in your next app.

优雅地使用资源 - R.Swift

R.Swift

- <https://github.com/mac-cain13/R.swift>
- Get strong typed, autocompleted resources like images, fonts and segues in Swift projects.

R.Swift

- 在当前项目的 targets 中选择 Build phrase, 点击+号选择添加 New Run Script Phase。
- 将 Run Script 移动至 Compile sources 之上, Check Pods Manifest.lock 之下。在 Run Script 中添加: "\$PODS_ROOT/R.swift/rswift" "\$SRCROOT"。
- 编译你的项目, 在 Finder 中你会看到 R.generated.swift 在工程中, 将该文件拖动至项目中, 切记千万不要勾选 Copy items if needed。

R.Swift

- 每当项目build时, R.swift开始运行
- 这个文件根据项目里的资源文件自动在 R.generated.swift 文件中按照类型生成结构体
- 强类型,无需类型判断和转换,自动返回对应类型
- 支持多种资源类型
- 自动完成,无需猜测图像名称,避免资源名称拼写错误

R.Swift

```
let icon = UIImage(named: "settings-icon")
let font = UIFont(name: "San Francisco", size: 42)
let color = UIColor(named: "indicator highlight")
let viewController = CustomViewController(nibName: "CustomView", bundle: nil)
let string = String(format: NSLocalizedString("welcome.withName", comment: ""), locale: NSLocale.current)
```

R.Swift

```
let icon = R.image.settingsIcon()
let font = R.font.sanFrancisco(size: 42)
let color = R.color.indicatorHighlight()
let viewController = CustomViewController(nib: R.nib.customView)
let string = R.string.localizable.welcomeWithName("Arthur Dent")
```


社交分享 - MonkeyKing

MonkeyKing

- <https://github.com/nixzhu/MonkeyKing>
- MonkeyKing helps you post messages to Chinese Social Networks, without their buggy SDKs.



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