# ios 开发 基础篇 (一)

## 开发前准备

• 一台装有macOS的电脑

Mac Mini/Air 、Mac book系列

不建议选择黑苹果或虚拟机

操作系统最新版本macOS Sierra 10.12.4

Xcode IDE

当前最新版本 8.3.2

- Apple ID
- 一台iOS设备(iPhone/iPad/iPod均可)

## 语言基础

- Objective-C 2.0
- Swift 3.x

The Swift Programming Language

• EPUB

中文

#### API

包含macOS/iOS/watchOS/tvOS 应用开发

- API
- Videos
- SimpleCode

## 其他学习资源

e.g.

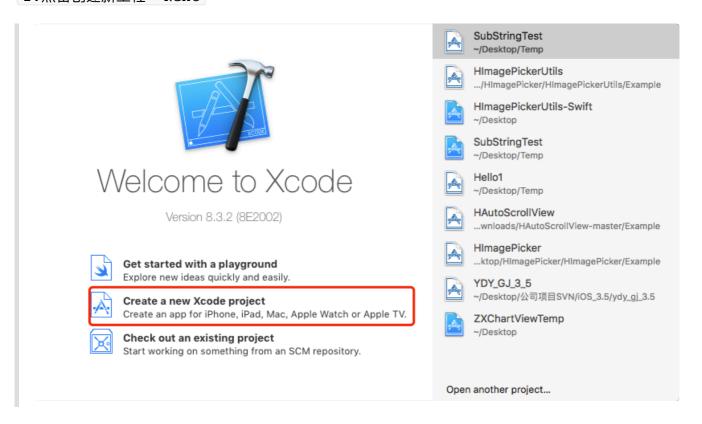
- code4app
- raywenderlich
- Books

### 工程创建

• 1.打开Xcode

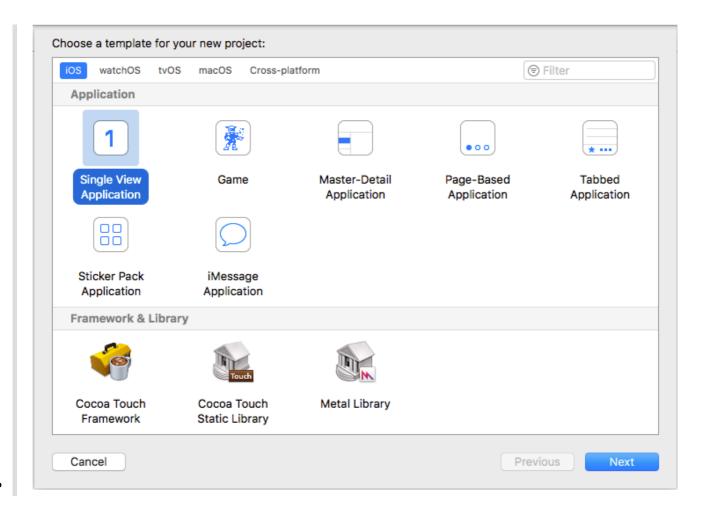


• 2.点击创建新工程->Next



• 3.选择对应工程模板->Next

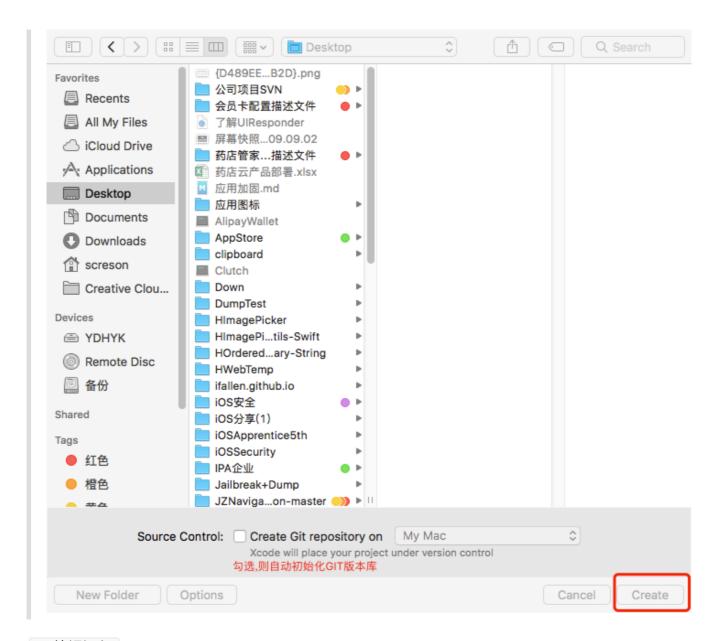
iOS/SingleViewApplication



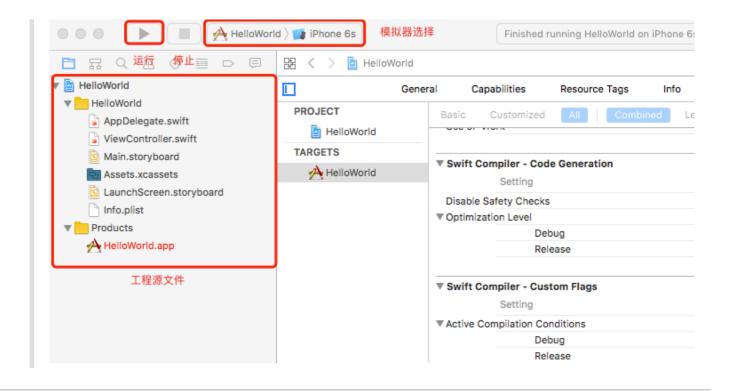
• 4.填写基本信息->Next

Product Name:	HelloWorld	工程名称
Team:	screson Co.,Ltd	AppleID Team
Organization Name:	screson	组织名称
Organization Identifier:	com.reson	ID前缀
Bundle Identifier:	com.reson.HelloWorld	
Language:	Swift	↑ 开发语言
Devices:	iPhone	↑ 开发设备
	─ Use Core Data CoreData数据存储	
	☐ Include Unit Tests 单元测试	
	☐ Include UI Tests UI测试	

• 5.选择保存路径->Create



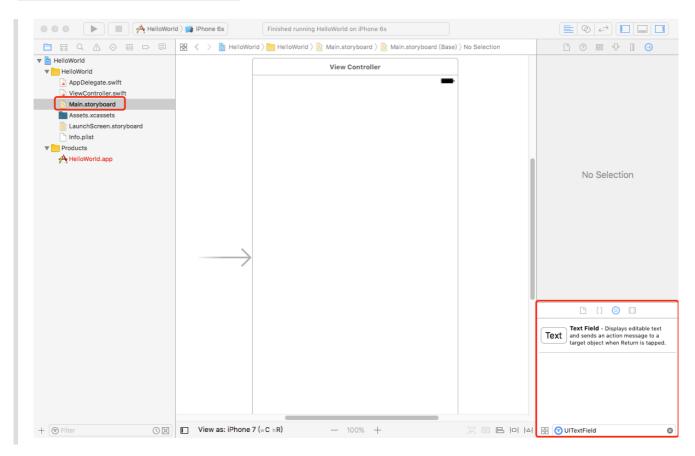
6.编译运行



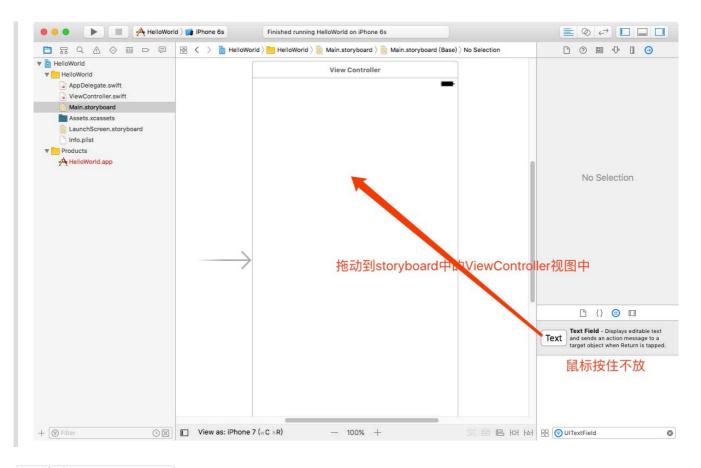
#### LoginDemo

#### UI

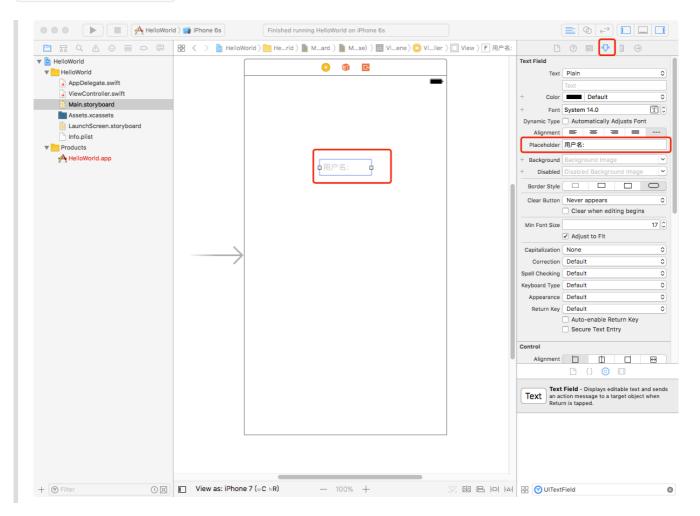
• 1.单击打开Main.storyboard



• 2.添加输入框

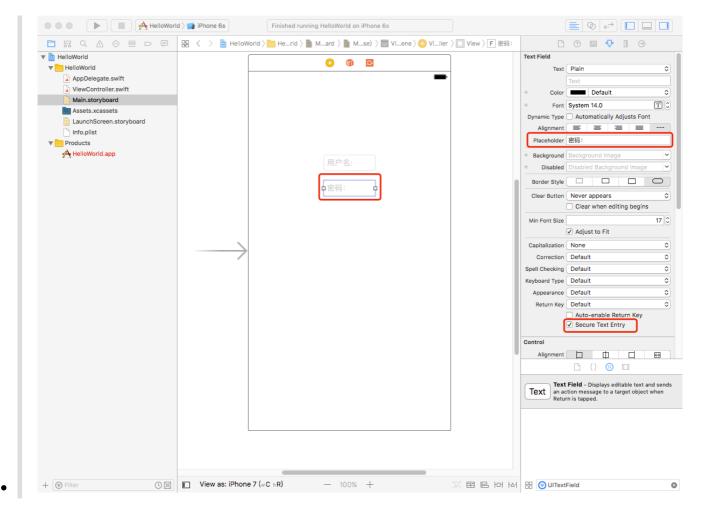


#### • 3.修改PlaceHolder

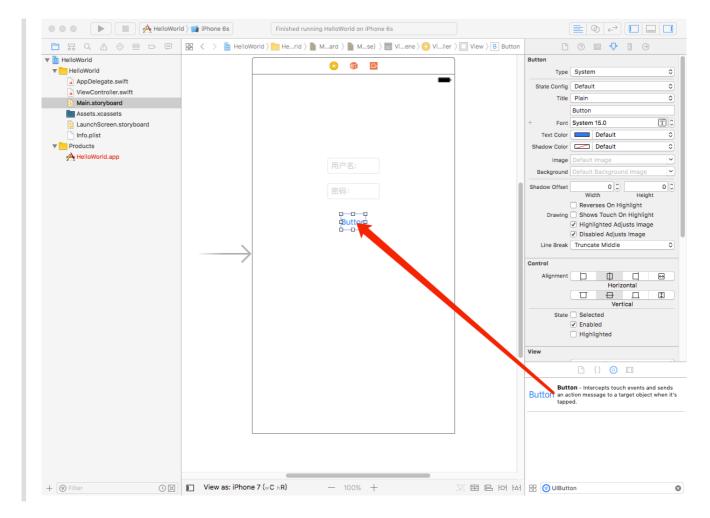


• 4.同理添加第二个输入框

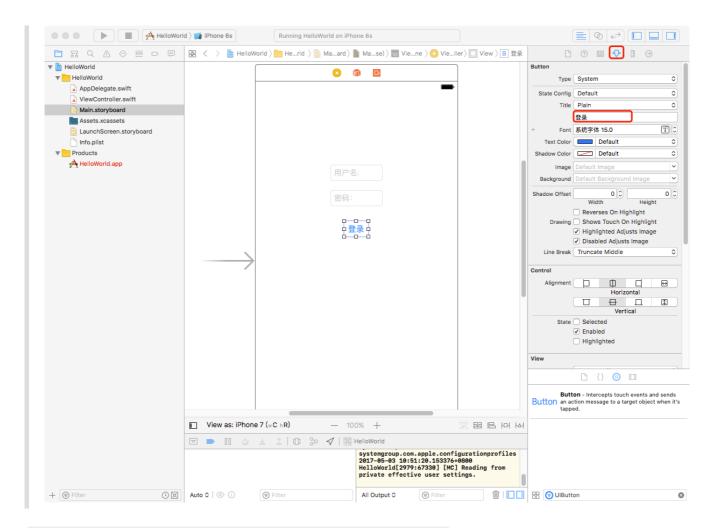
#### 修改PlaceHolder为[密码: ], 并勾选[Secure Text Entry]



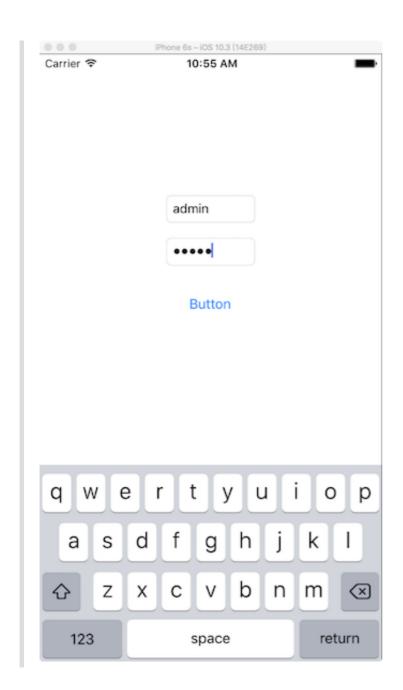
• 5.添加一个Button



• 6. 修改Button文字为[登录]



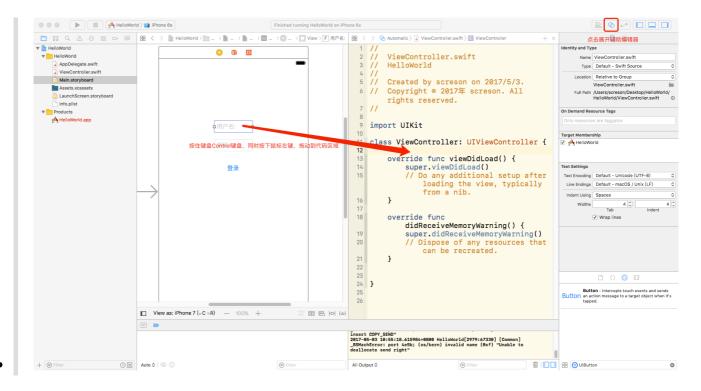
• 7.点击Xcode左上角运行按钮(快捷键command+r),运行程序



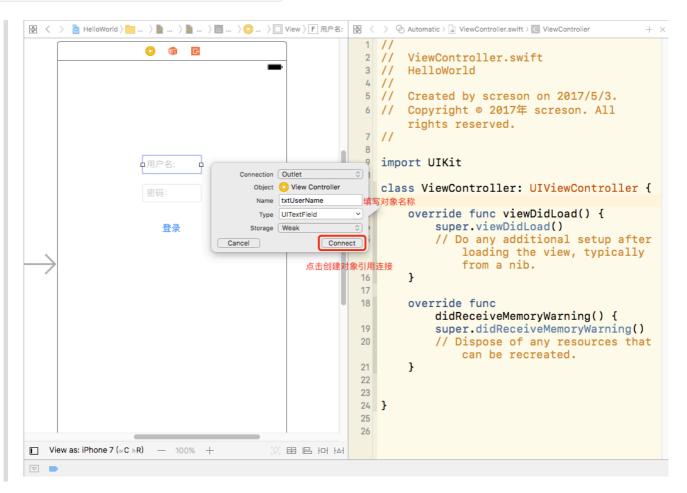
### 关联事件、获取文本

• 8.关联[用户名]输入框对象引用

同时按下control键和鼠标左键,拖动



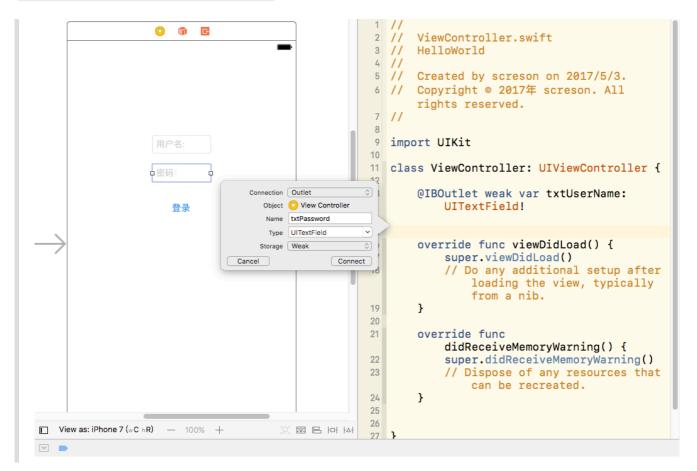
### 松开键盘和鼠标,填写名称,并点击connect



Xcode会自动填充对应代码

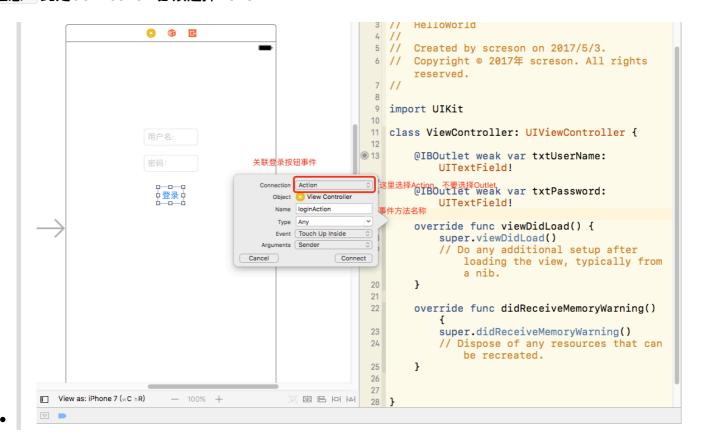
```
ViewController.swift
                                                  3 //
                                                         HelloWorld
                                                  4 //
                                                  5 //
                                                         Created by screson on 2017/5/3.
                                                         Copyright © 2017年 screson. All
                                                  6
                                                    //
                                                         rights reserved.
                                                  8
                用户名:
                                                    import UIKit
                                                  10
                                                  11 class ViewController: UIViewController {
                 密码:
                                                13
                                                         @IBOutlet weak var txtUserName:
                                                             UITextField!
                    登录
                                                         override func viewDidLoad() {
                                                  15
                                                             super.viewDidLoad()
                                                  16
                                                             // Do any additional setup after
                                                                 loading the view, typically
                                                                 from a nib.
                                                         }
                                                  17
                                                  18
                                                         override func
                                                  19
                                                             didReceiveMemoryWarning() {
                                                             super.didReceiveMemoryWarning()
                                                  20
                                                  21
                                                             // Dispose of any resources that
                                                                 can be recreated.
                                                         }
                                                  22
                                                  23
                                                  24
                                                  25 }
                                                  26
View as: iPhone 7 (wC hR) — 100% +
② 题 吕 归 Ⅰ
```

• 9.同上,关联[密码]输入框对象引用



10.同上,管理[登录]点击事件

#### 注意: 此处Connection 必须选择Action

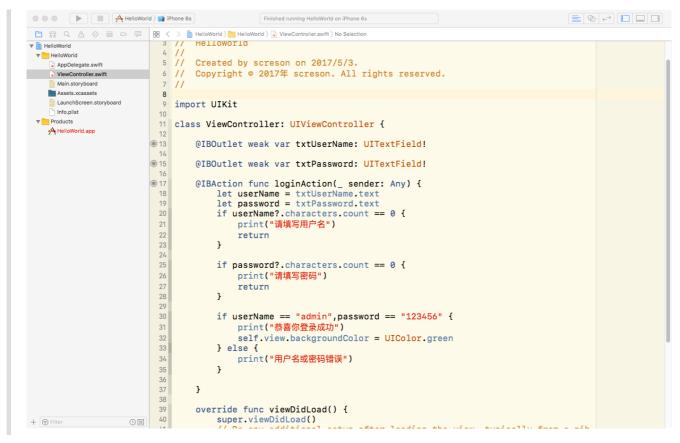


• 11.最终连接输出后代码如下

```
HelloWorld
                     BIT
                                                       4 //
5 //
                                                              Created by screson on 2017/5/3.
                                                              Copyright © 2017年 screson. All rights
                                                              reserved.
                                                       7 //
                                                       8
                                                       9 import UIKit
                                                       10
                                                          class ViewController: UIViewController {
                 用户名
                                                     13
                                                              @IBOutlet weak var txtUserName:
                 密码:
                                                                  UITextField! 用户名输入框对象
                                                       14
                                                     15
                                                              @IBOutlet weak var txtPassword:
                                                                  UITextField! 密码输入框对象
                                                     17
                                                              @IBAction func loginAction(_ sender:
                                                                  Any) {
                                                                                 登录按钮点击事件
                                                       18
                                                              }
                                                       19
                                                       21
                                                              override func viewDidLoad() {
                                                       22
                                                                  super.viewDidLoad()
                                                       23
                                                                  // Do any additional setup after
                                                                      loading the view, typically from
                                                                      a nib.
                                                       24
                                                              }
                                                       25
                                                       26
                                                              override func didReceiveMemoryWarning()
                                                       27
                                                                  super.didReceiveMemoryWarning()
View as: iPhone 7 (wC hR)
                   - 100% +
                                         ② 國 음 머 서
                                                                  // Dispose of any resources that can
```

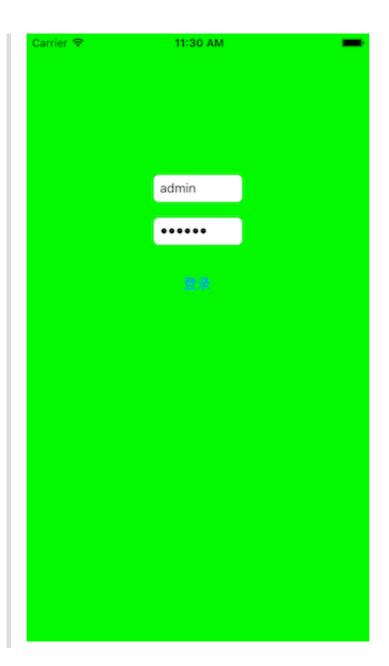
• 12.实现[登录]事件逻辑代码

```
@IBAction func loginAction( sender: Any) {
   let userName = txtUserName.text//获取用户名文本
   let password = txtPassword.text//获取密码文本
   if userName?.characters.count == 0 {//非空
       print("请填写用户名")
       return
   }
   if password?.characters.count == 0 {//非空
       print("请填写密码")
       return
   }
   if userName == "admin", password == "123456" {//用户名密码正确
       print("恭喜你登录成功")
       self.view.backgroundColor = UIColor.green//修改视图背景颜色为绿色
   } else {
       print("用户名或密码错误")
   }
}
```



• 13.编译运行[command+r]

输入正确用户名密码: admin/123456



## 库文件管理工具

• CocoaPods

官网

CocoaPods

教程

• Carthage

<u>Carthage</u>

教程

• SPM

Apple/swift-package-manager

• 常用的三方库(e.g.):

AFNetworking-OC网络请求

Alamofire-Swift网络请求

Masonry-OC自动布局

SnapKit-Swift自动布局

SDWeblmage-OC图片缓存

Kingfisher-Swift图片缓存

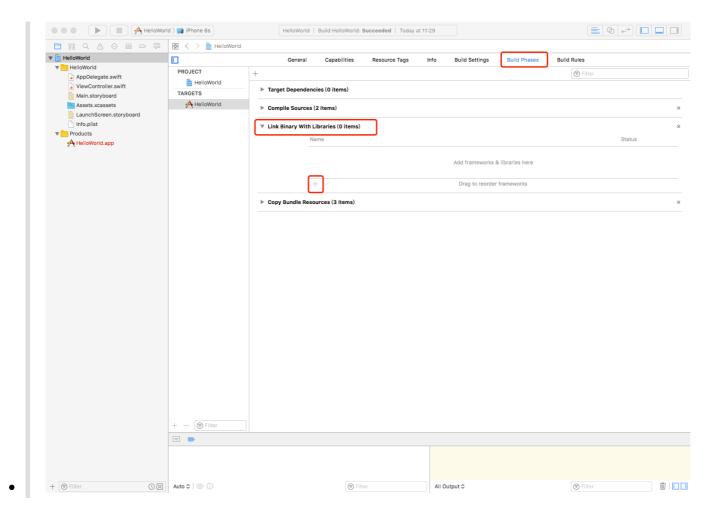
MJRefresh-OC下拉刷新

MBProgressHUD-OC加载指示器

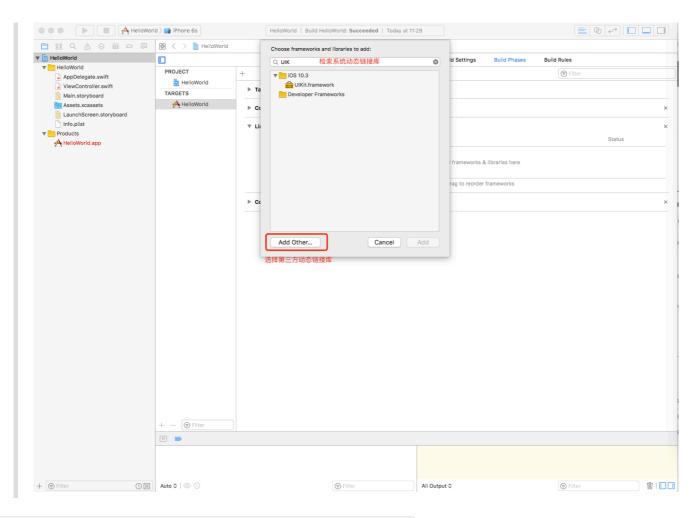
• ...

## Framework导入

选中工程 点击Build Phase 展开 Link Binary With Libraries 点击 + 添加



- 检索 用于系统链接库
- Add Other 用于添加第三方链接库



另: 第三方链接库也可通过鼠标, 直接拖入到工程资源目录列表

## 打包发布

条件

• 开发账号

申请地址

- 证书、配置文件
- 参考教程

#### ZXStruct-Swift

ZXStructs

CreateBy:JuanFelix@screson