

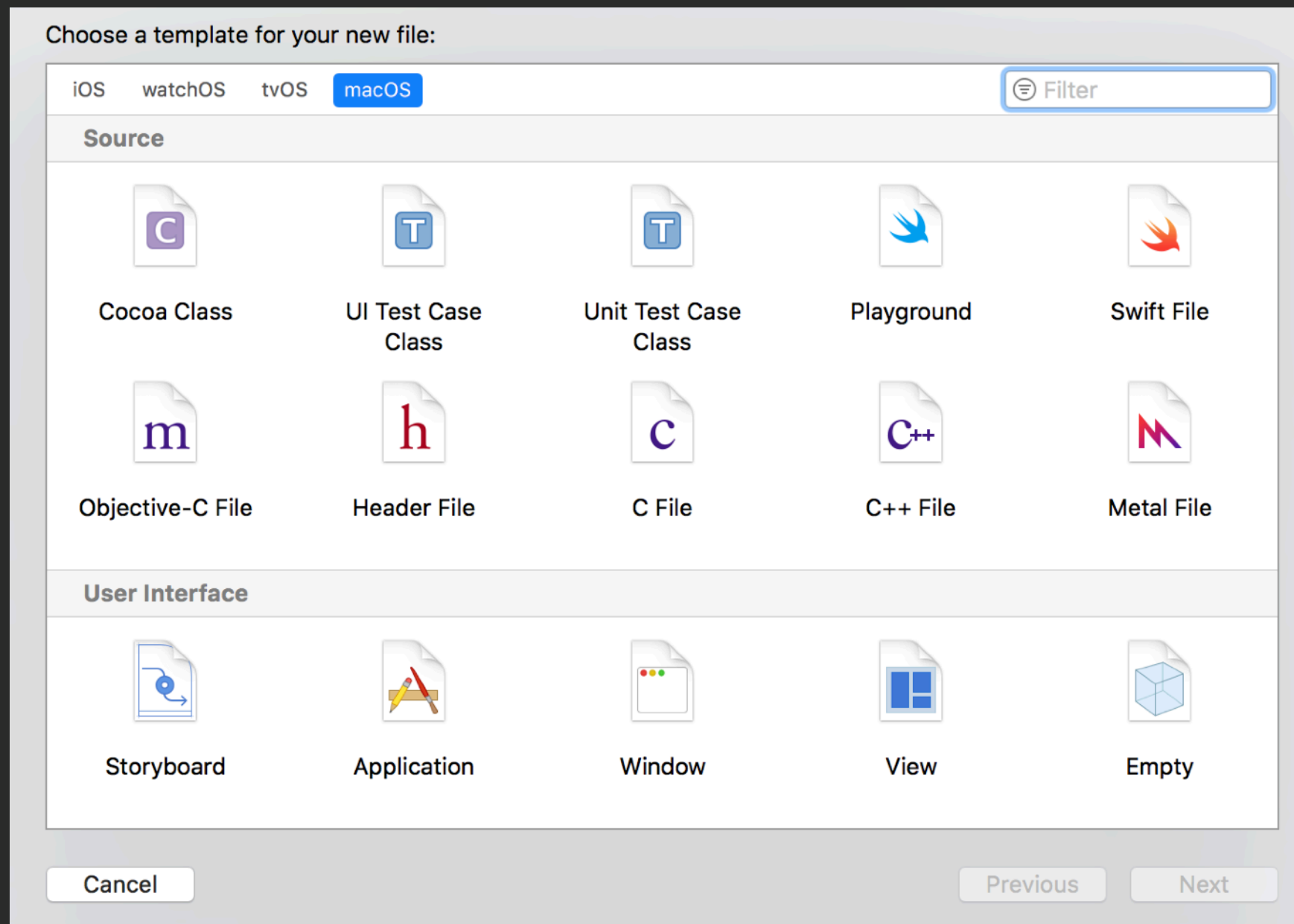
Custom Xcode Template

(with VIPER)

let us: Go!
2017 Summer

giftbot(t)

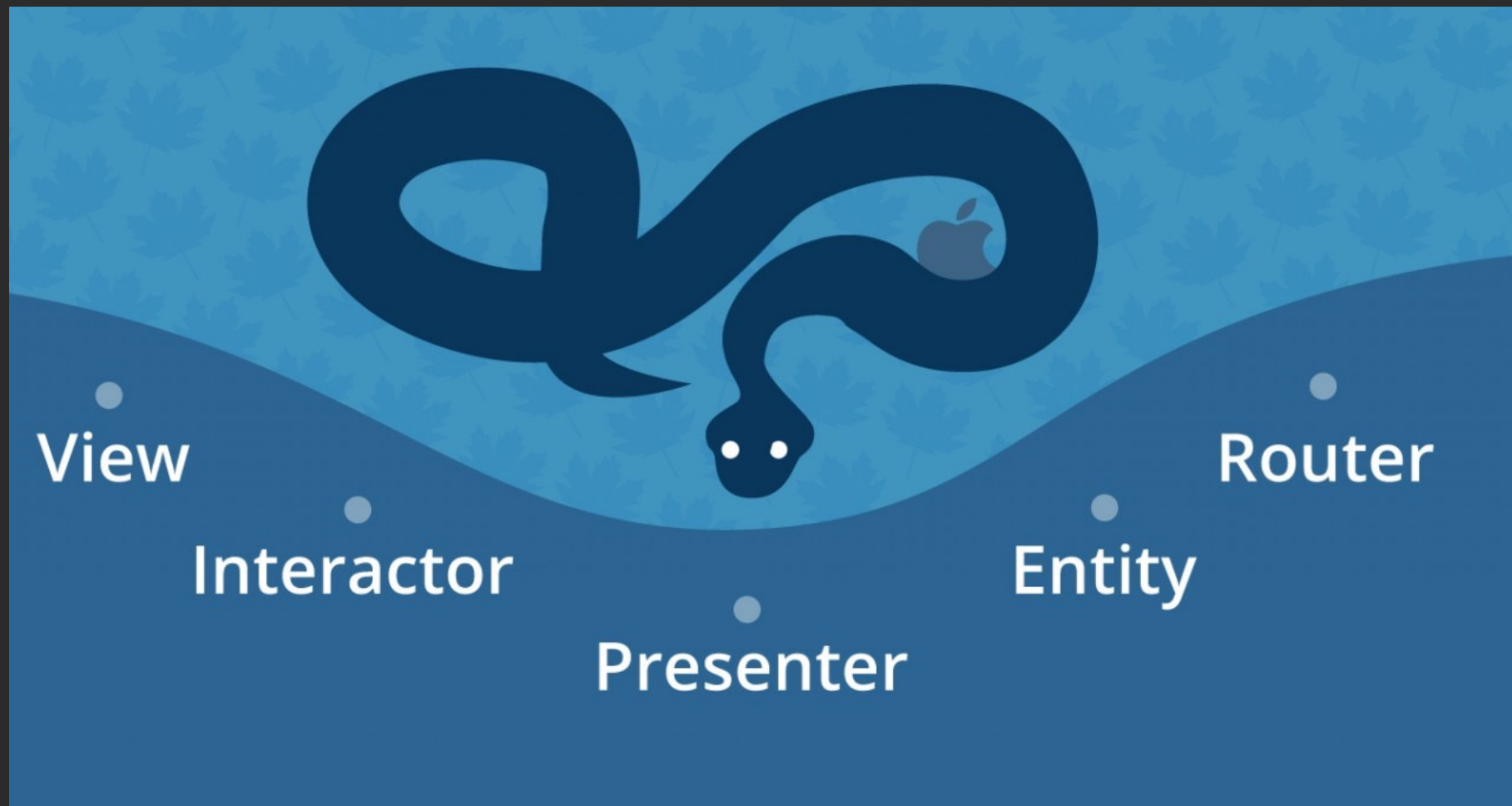
Xcode Template



T.O.C

1. VIPER 아키텍처 소개 및 코드 작성
2. File Template 을 이용한 바이퍼 모듈 생성
3. Project Template 으로 테스트 프로젝트 생성
4. Custom Template 만들어보기

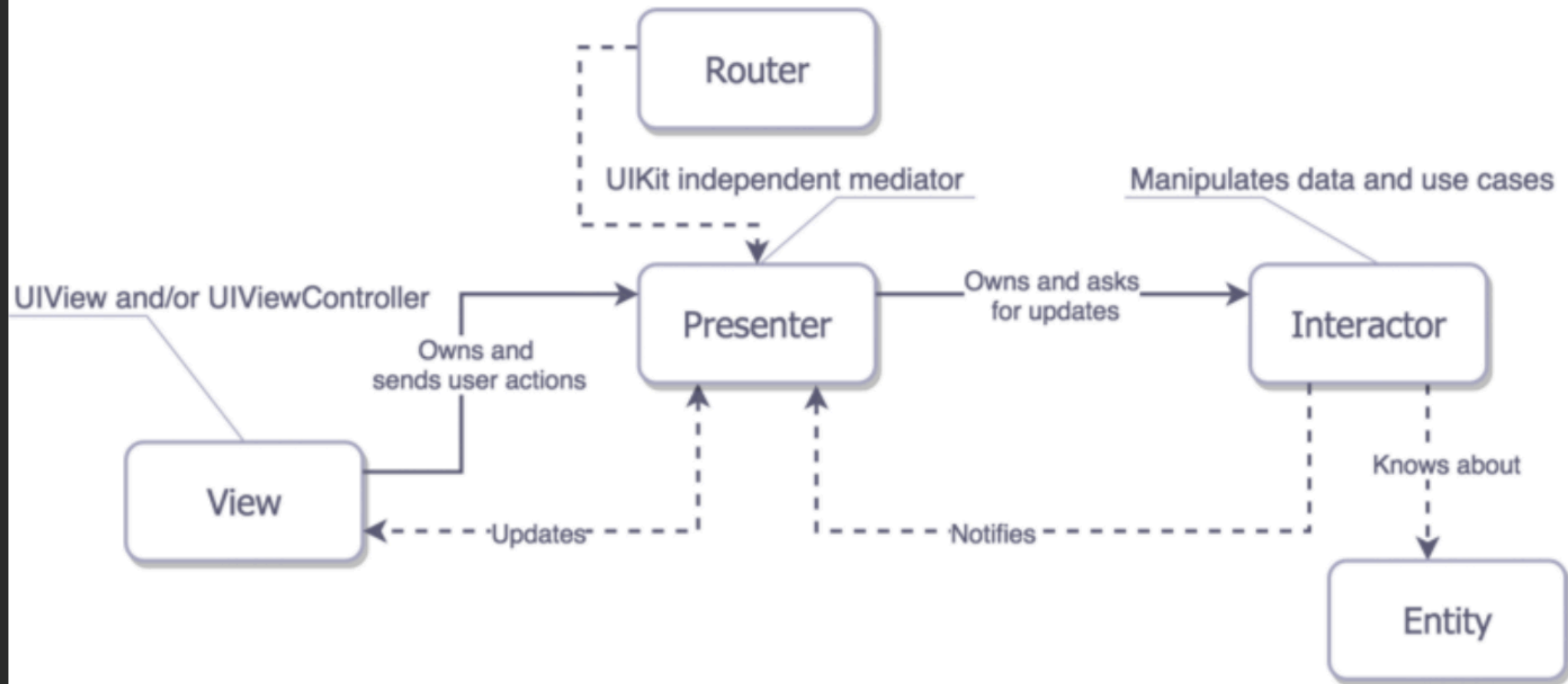
VIPER



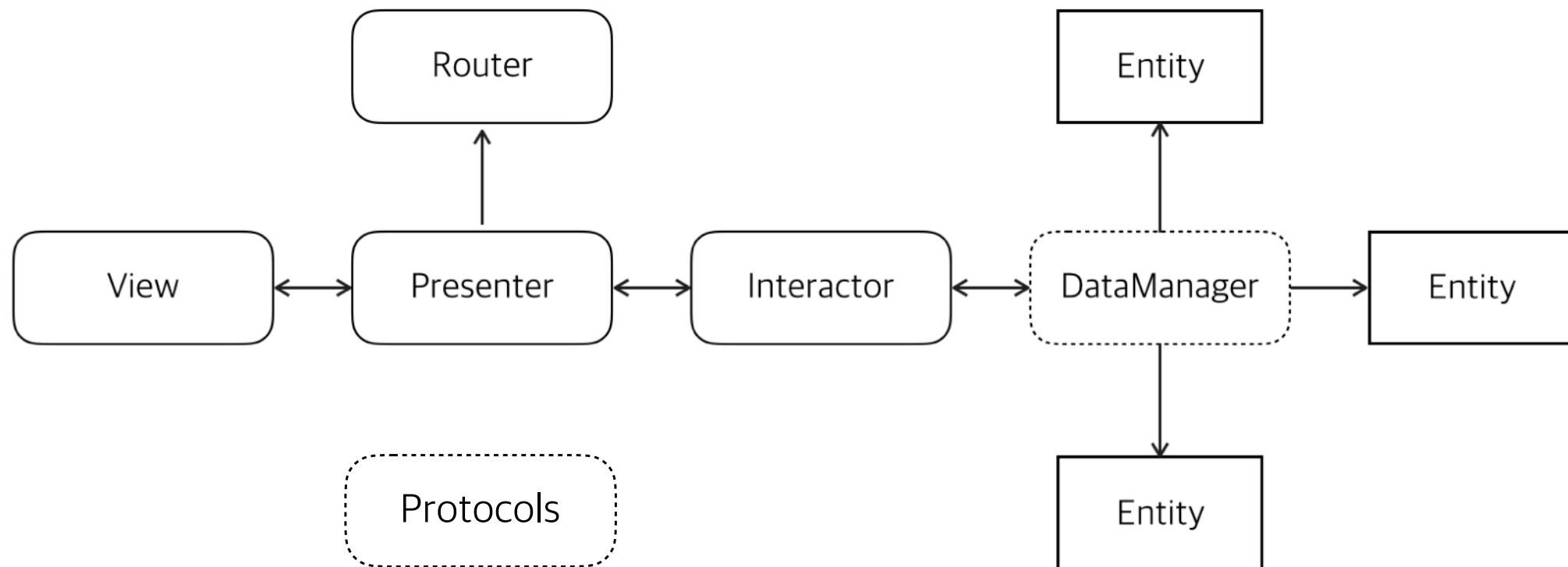
MVC

MVP

MVVM



VIPER



VIPER 모듈
한 땀 한 땀 만들어보기



VIPER Module Generator

- Generamba
- Boa
- viper-module-generator

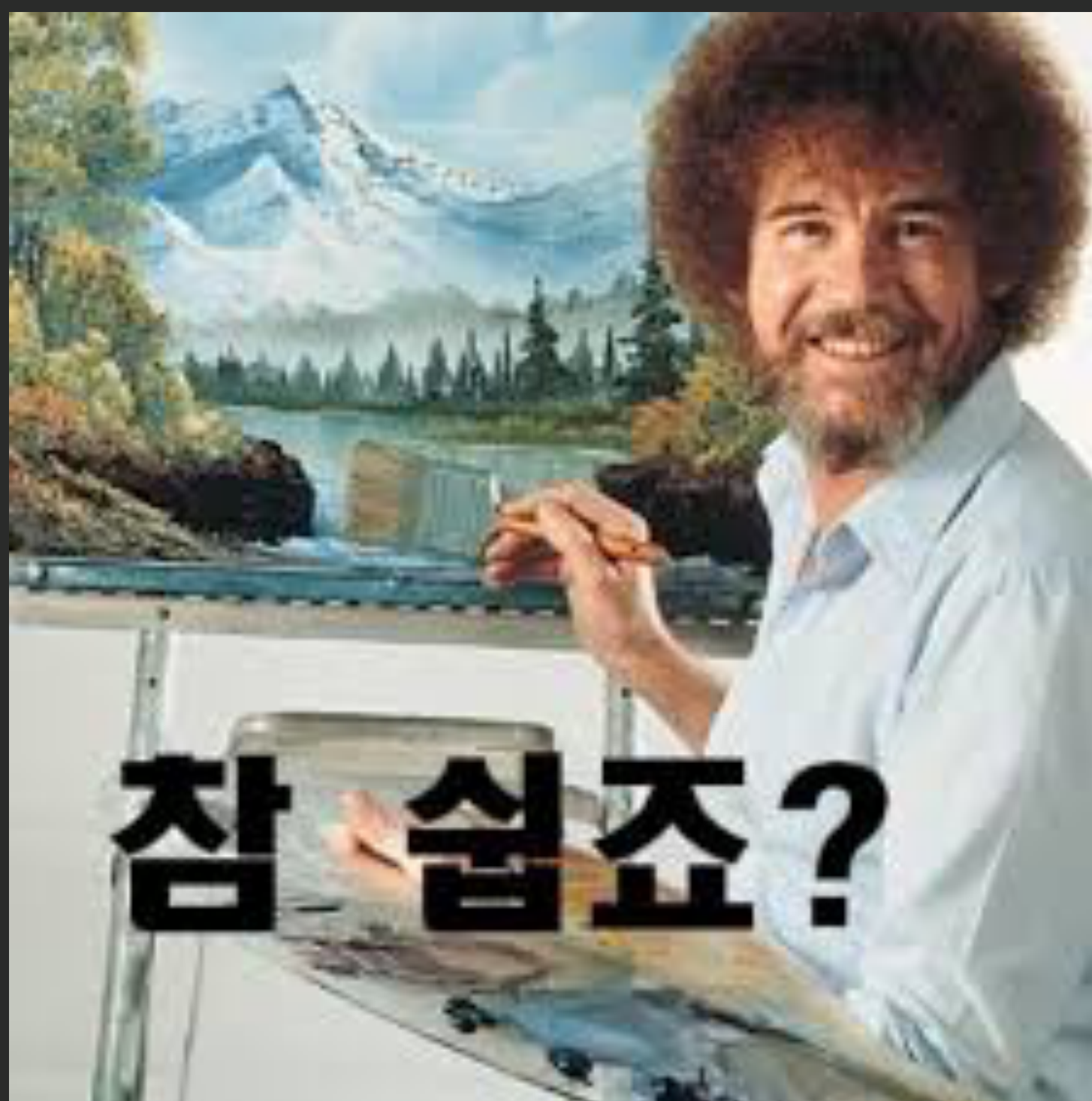
해당 라이브러리에 대한 별도의 이해 및 설정 필요
별도의 스크립트 형태 - 터미널에서 실행

그래서...

Custom File Template



Xcode Template to create
VIPER Modules



File Template

Swift File



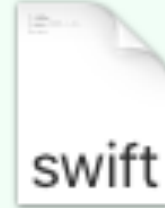
Templatelcon.png



Templatelcon@2x
.png



TemplateInfo.plist



__FILEBASENAME__
E__.swift

```
// __FILENAME__  
// __PROJECTNAME__  
//  
// Created by __FULLUSERNAME__ on __DATE__.  
//__COPYRIGHT__  
//
```

```
import Foundation
```

Key	Type	Value
▼ Information Property List	Dictionary	(7 items)
Kind	String	Xcode.IDEFoundation.TextSubstitutionFileTemplateKind
Description	String	An empty Swift file.
Summary	String	An empty Swift file
SortOrder	String	30
▼ AllowedTypes	Array	(1 item)
Item 0	String	public.swift-source
DefaultCompletionName	String	File
MainTemplateFile	String	__FILEBASENAME__.swift

TemplateInfo.plist

Kind	파일 템플릿 타입 Xcode.IDEKit.TextSubstitutionFileTemplateKind
AllowedTypes	생성 파일 타입 Swift : public.swift-source
Platforms	사용할 플랫폼 iOS : com.apple.platform.iphoneos
MainTemplateFile	생성 파일 이름 Base ex) ____FILEBASENAME____.swift
SortOrder	템플릿간 정렬 우선순위

매크로

___FILENAME___	파일명 (확장자 포함) ex) ViewController.swift
___FILEBASENAME___	파일명 (확장자 미포함) ex) ViewController
___PROJECTNAME___	프로젝트명
___ORGANIZATIONNAME___ —	조직명
___FULLUSERNAME___	유저명 (FullName)
___DATE___	현재 날짜
___VARIABLE_[Identifier]___	Identifier에 해당하는 변수값

옵션

Class: ViewController

Subclass of: UIViewController

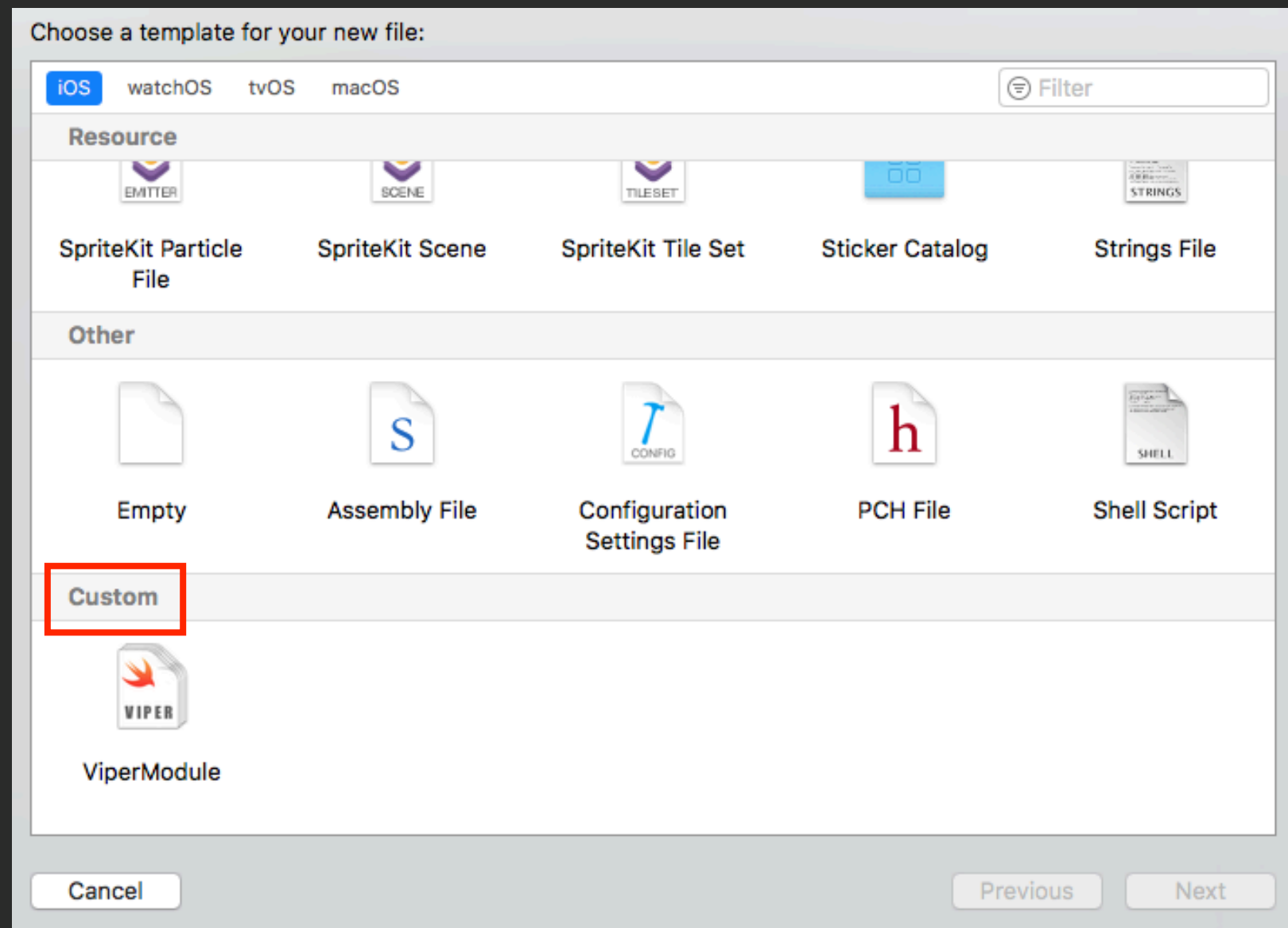
☐ Also create XIB file

Language: Swift

옵션

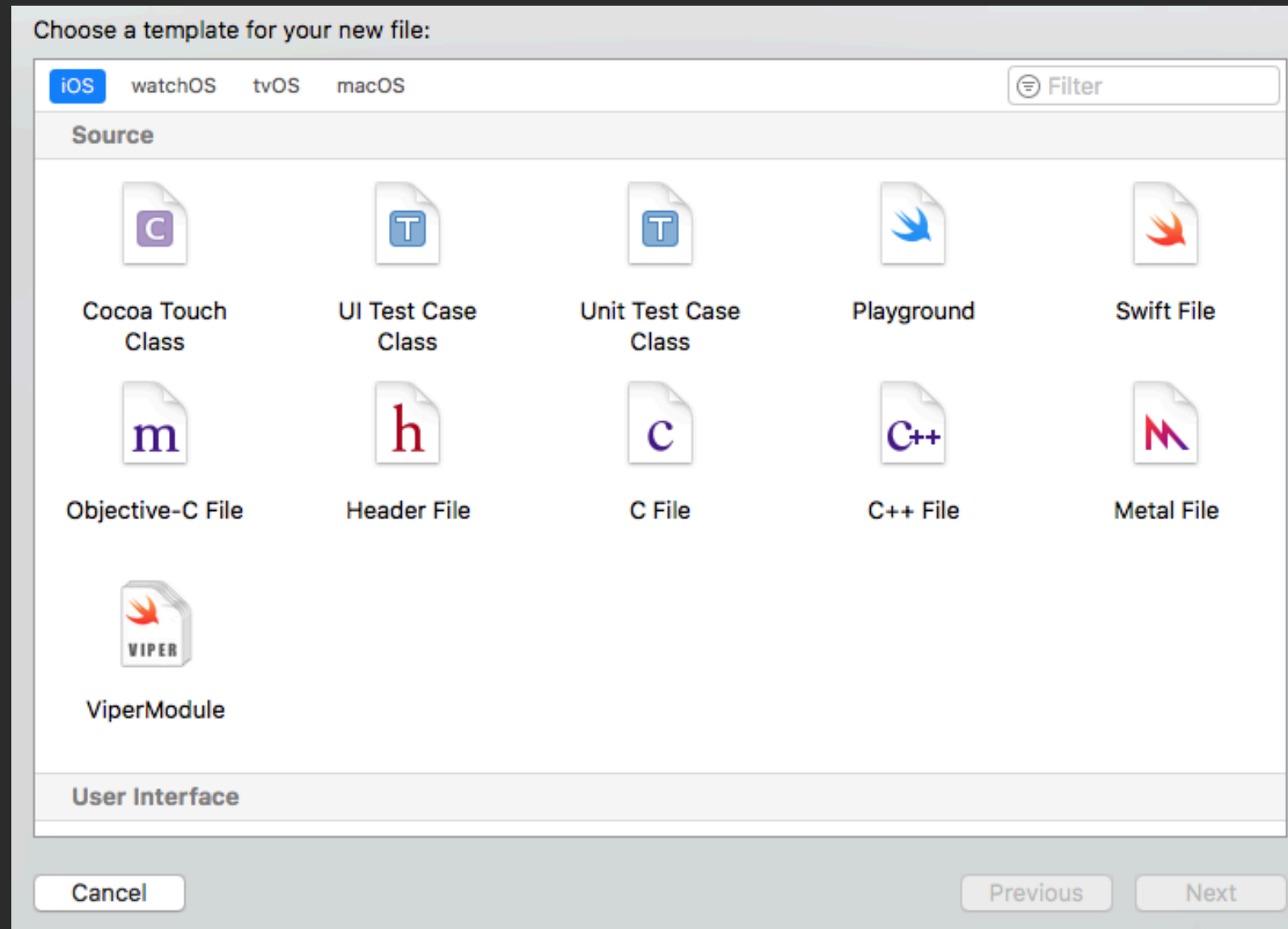
Identifier	ID. 변수 역할
Name	해당 옵션의 Label Text
Default	미입력시 기본값
Type	옵션 타입. text, combo, popup, class, checkbox, ... 등
NotPersisted	마지막 사용 값 저장 여부
Required	필수 설정 여부
Suffixes	옵션 변경 시 파일명 뒤에 자동으로 붙는 문자열

User Custom Path



“~/Library/Developer/Xcode/Templates/File Templates/”

Xcode Application Path



1. iOS 플랫폼용 - “[Xcode Path]/Platforms/iPhoneOS.platform/Developer/Library/Xcode/Templates/File Templates/”
2. 공용 - “[Xcode Path]/Library/Xcode/Templates/File Templates/”

Custom File Template 만들기

1. Swift File Template 복사 (시작하기 좋은 템플릿)
2. Change Owner (root => user)
3. TemplateInfo.plist 수정
4. 커스텀 파일 작성

Project Template

Single View Application

1

Single View Application



Main.storyboard



Templatelcon.png



Templatelcon@2x
.png



TemplateInfo.plist

Key	Type	Value
▼ Information Property List	Dictionary	(8 items)
Kind	String	Xcode.Xcode3.ProjectTemplateUnitKind
Identifier	String	com.apple.dt.unit.singleViewApplication
▶ Ancestors	Array	(2 items)
Concrete	Boolean	YES
Description	String	This template provides a starting point for an application that uses a single view. It provides a view control
SortOrder	Number	1
▼ Options	Array	(1 item)
▼ Item 0	Dictionary	(2 items)
Identifier	String	languageChoice
▼ Units	Dictionary	(2 items)
▶ Objective-C	Dictionary	(1 item)
▼ Swift	Dictionary	(1 item)
▼ Nodes	Array	(7 items)
Item 0	String	ViewController.swift:comments
Item 1	String	ViewController.swift:imports:importCocoa
Item 2	String	ViewController.swift:implementation(___FILEBASENAME___: UIViewController)
Item 3	String	ViewController.swift:implementation:methods:viewDidLoad(override func viewDidLoad())
Item 4	String	ViewController.swift:implementation:methods:viewDidLoad:super
Item 5	String	ViewController.swift:implementation:methods:didReceiveMemoryWarning(override func didReceiveMemoryWarning)
Item 6	String	ViewController.swift:implementation:methods:didReceiveMemoryWarning:super
▼ Definitions	Dictionary	(1 item)
▼ Base.lproj/Main.storyboard	Dictionary	(2 items)
Path	String	Main.storyboard
SortOrder	Number	99

TemplateInfo.plist

Kind	프로젝트 템플릿 타입 Xcode.Xcode3.ProjectTemplateUnitKind
Identifier	Template Unique ID. 반드시 고유한 값을 가져야 함. ex) com.apple.dt.unit.singleViewApplication
Ancestors	다른 템플릿에 설정한 내용을 상속받아 사용
Concreate	true 일 때만 Dialog에 나타남. false 는 다른 템플릿에 상속하여 쓰는 경우.
Definitions	템플릿에서 사용할 내용을 미리 정의
Nodes	Definitions에서 정의한 내용 불러오기 / 바로 구현

주의사항

Identifier



String

com.apple.dt.unit.singleViewApplication

Choose a template for your new project:

iOS

watchOS

tvOS

macOS

Cross-platform

Filter

Application

1

Single View
Application



Game



Master-Detail



Page-Based



Tabbed



Sticker Pack
Application



iMessage
Application

Choose a template for your new project:

iOS

watchOS

tvOS

macOS

Cross-platform

Filter

Application



Game



Master-Detail
Application



Page-Based
Application



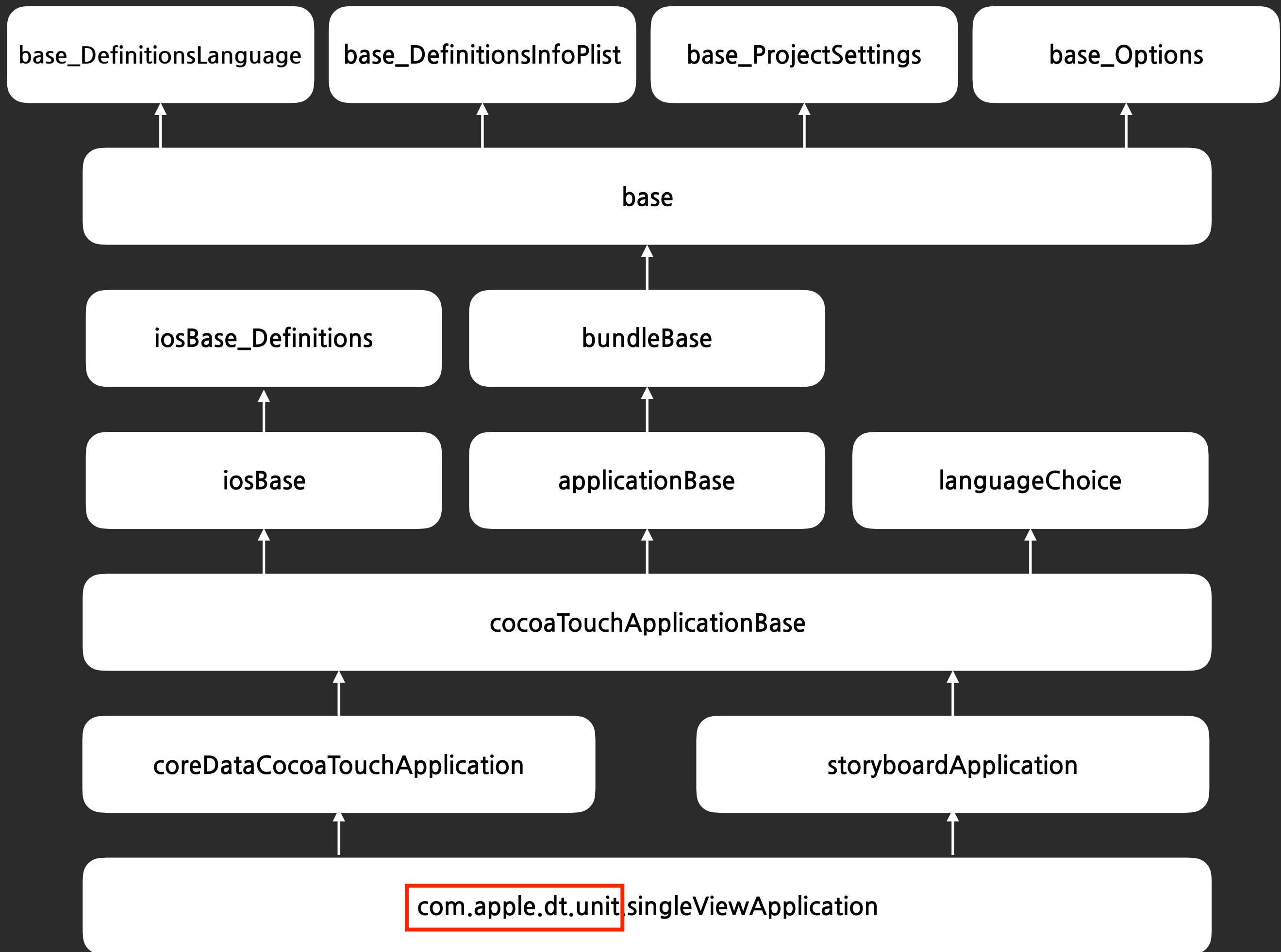
Tabbed
Application



Sticker Pack
Application



iMessage
Application



User Custom Path

Framework & Library



Cocoa Touch
Framework



Cocoa Touch
Static Library



Metal Library

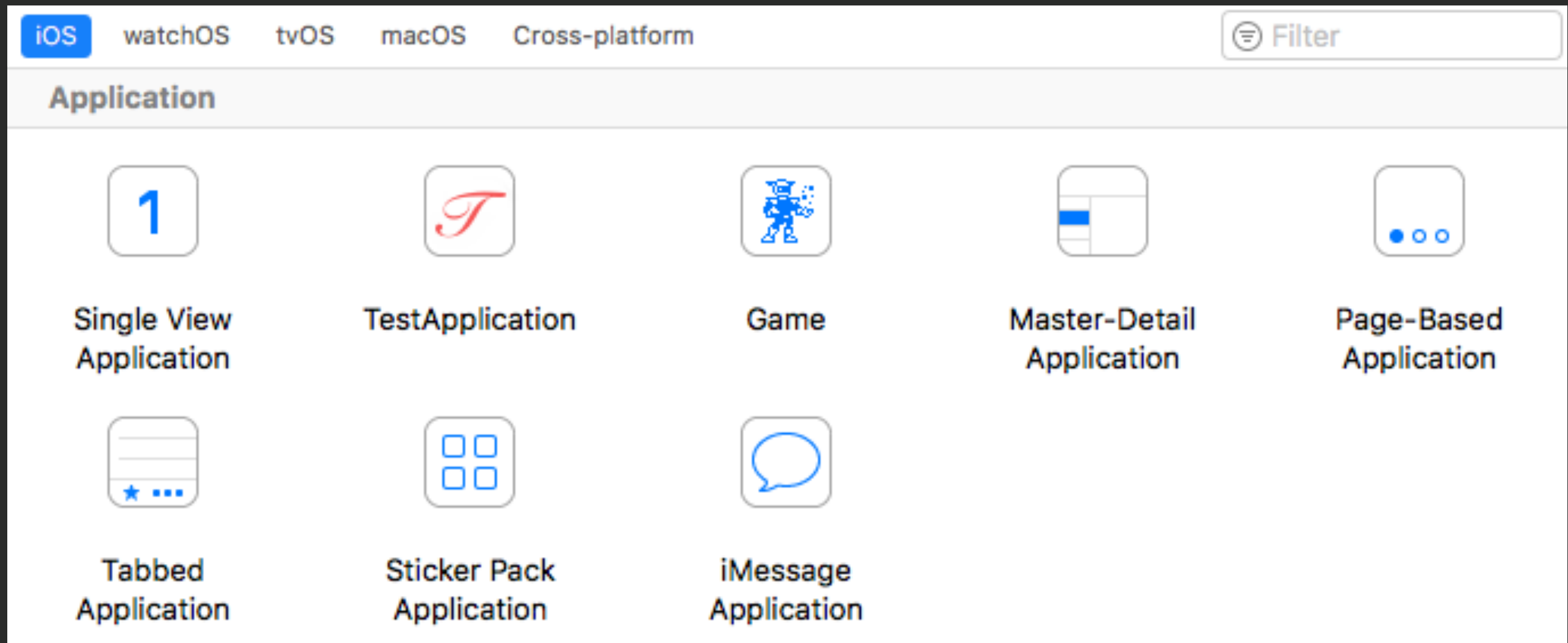
Custom



TestApplication

“~/Library/Developer/Xcode/Templates/Project Templates/”

Xcode Application Path



1. iOS 플랫폼 - “[Xcode Path]/Platforms/iPhoneOS.platform/Developer/Library/Xcode/Templates/Project Templates/iOS/”
2. 공용 - “[Xcode Path]/Library/Xcode/Templates/Project Templates/”

Custom Project Template 만들기

1. Single View Application 복사 (시작하기 좋은 템플릿)
2. Change Owner (root => user)
3. Customizing
 - TemplateInfo.plist Definitions 에서 정의
 - Custom File 생성
4. TemplateInfo.plist Nodes 에 반영

직접 만들어볼까요?



Xcode Template Helper

<https://github.com/giftbott/XcodeTemplateHelper>



Q & A