

코드리뷰 가이드

**** 해당 디렉토리 파일에 'README.md'파일을 참고해주시면 감사하겠습니다 ****

DevCamp 2기 김건형 인턴

안녕하세요. Last Punch팀 팀장을 맡은 iOS 담당 김건형 인턴입니다.

프로젝트 전반을 RxSwift를 사용하여 MVVM으로 작성했으나, 몇몇 View에서는 상황에 따라 스토리보드를 활용하여 MVC로 채택하면서 유동적으로 구현하게 되었습니다.

해당 문서에서는 코드 리뷰를 위한 가이드로 작성되었습니다. 프로젝트 대부분이 Snapkit으로 구성되어 실제 동작 화면을 보시기 쉽지 않을 것 같습니다. [README URL](#)을 통해 **스크린샷**을 확인해 주세요

MVVM으로 작성한 코드는 View(VC)와 ViewModel로 나뉘어집니다.

View(VC)는 아래 4개의 함수를 기본 함수로 하고 있습니다.

- **init()** : 가장 초기에 실행되며, Data를 넘겨 받거나 token을 불러옴
- **bind()** : ViewModel을 바인딩함
- **attribute()** : UI 객체의 속성을 결정함
- **layout()** : UI 객체들의 constraints를 결정함

ViewModel은 ViewModel에서 **Input, Output** 객체를 생성하고 View에서 바인딩하는 방법으로 구현하고 있습니다. 또한, input은 **PublishSubject**, output은 **PublishRelay**로 구성하게 되었습니다.

MVC로 작성한 코드는 View(VC)와 .xib 파일로 나뉘어지며, 스토리보드를 통해 View를 그린 후, **File Owner**에 Custom Class를 적용하는 방법을 채택하게 되었습니다.

MVC를 혼용하여 사용하게 된 이유는 개발 초기에 **RxDataSource**를 다루는 부분에서 미숙한 부분이 있었고, 팀원들과 개발 속도를 맞추기 위해 사용하게 되었습니다. 이 부분은 설명 부분에서 더욱 자세히 다루겠습니다.

네트워크 통신 부분은 전부 **Singleton Class**를 만들어 **Singleton Patten**을 활용하여 처리하게 되었습니다.

Welcome

README URL	https://github.com/njsh4261/SGS_Last_Punch/tree/dev/src/frontend/ios#1-%ED%9A%8C%EC%9B%90%EA%B0%80%EC%9E%85
View(VC)	https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WelcomeView/WelcomeViewController.swift
설명	RxSwift를 배우고 가장 처음 구현한 초기 화면입니다. 로그인 및 회원가입 버튼을 눌러 화면을 이동하게 됩니다. 다순 화면전환 event만 있어 ViewModel은 만들지 않았습니다.
기술 스택	RxSwift, RxCocoa, SnapKit, Then(ui 객체들을 더욱 쉽게 속성을 주입시킬때 사용한 라이브러리)

회원가입

View(VC)	https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WelcomeView/RegisterEmail/RegisterViewController.swift
ViewModel	https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WelcomeView/RegisterEmail/RegisterViewModel.swift
설명	Bind Input으로 Email, code, name, password, retryPassword field value를 받아 ViewModel에서 네트워크처리를 하고 있습니다. Bind Output의 값을 통해 UI 객체들의 Hidden을 관리하며, 단계별로 회원가입을 할 수 있도록 처리 했습니다. 또한, 이메일이 변경된다면, 모든 Filed값을 초기화 하는 부분 또한 처리 했습니다.
기술 스택	RxSwift, RxCocoa, SnapKit, Then, ProgressHUD(slack과 유사한 alert와 activity indicator 애니메이션 라이브러리)

로그인

View(VC)	https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WelcomeView/LoginEmail/LoginViewController.swift
ViewModel	https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WelcomeView/RegisterEmail/RegisterViewModel.swift
설명	가장 기억나는 부분은 구현 후, 처음에 scrollView로 감싸지 않아서 로그인 버튼이 조금 밖에 보이지 않았고, 이 부분을 처리하기 위해, register와 함께 scrollView와 contentsView로 감싸게 되었습니다.
기술 스택	RxSwift, RxCocoa, SnapKit, Then, ProgressHUD, SwiftKeyChainWrapper(UserDefault와 사용법이 같고, 더욱 안전하게 사용자의 정보를 저장하는 라이브러리)

[워크스페이스 선택]

README URL :

https://github.com/njsh4261/SGS_Last_Punch/tree/dev/src/frontend/ios#3-%EC%9B%8C%ED%81%AC%EC%8A%A4%ED%8E%98%EC%9D%B4%EC%8A%A4-%EC%84%A0%ED%83%9D%EC%B6%94%EA%B0%80%EA%B3%A0%EC%9C%A0%EC%A3%BC%EC%86%8C%EB%A1%9C-%EC%A0%91%EC%86%8D

View(VC):

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WorkspaceListView/WorkspaceListViewController.swift

ViewModel :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WorkspaceListView/WorkspaceListViewModel.swift

Cell :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WorkspaceListView/WorkspaceListCell.swift

[워크스페이스 생성]

View(VC)

Workspace name :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WorkspaceListView/NewWorkspace/NewWorkspaceFirstViewController.swift

Channel name:

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WorkspaceListView/NewWorkspace/NewWorkspaceSecondViewController.swift

ViewModel :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WorkspaceListView/NewWorkspace/NewWorkspaceViewModel.swift

[워크스페이스 URL 접속]

View(VC):

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WorkspaceListView/SearchURLWorkspace/SearchURLWorkspaceViewModel.swift

ViewModel :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WorkspaceListView/SearchURLWorkspace/SearchURLWorkspaceViewController.swift

[홈탭 및 그룹 채팅]

README URL :

https://github.com/njsh4261/SGS_Last_Punch/tree/dev/src/frontend/ios#4-%ED%99%88%ED%83%AD-%EB%B0%8F-%EA%B7%B8%EB%A3%B9-%EC%B1%84%ED%8C%85

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/WorkspaceListView/WorkspaceListViewViewController.swift

ViewModel :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Home/HomeViewModel.swift

Cell

Channel Cell :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Home/Cell/ChannelListCell.swift

Member Cell :

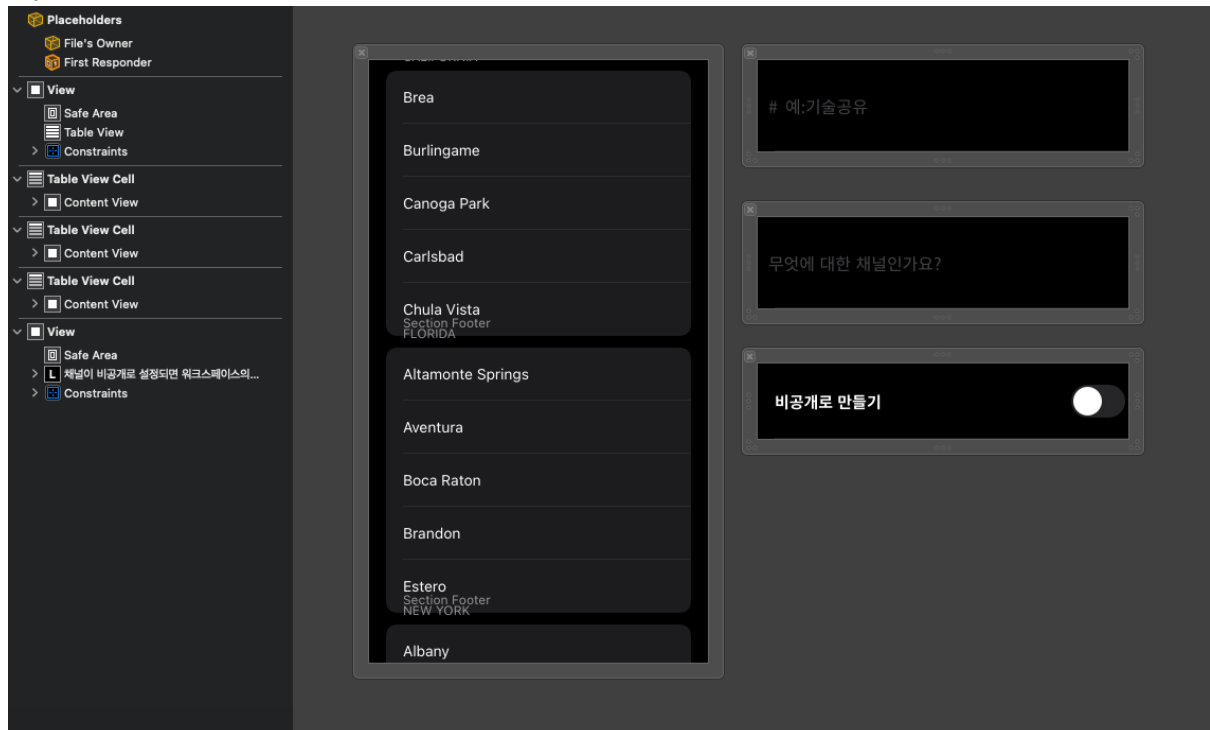
https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Home/Cell/MemberListCell.swift

[채널 생성] - MVC

View(VC)

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Home/NewChannel/NewChannelViewController.swift

Xib



[그룹 채팅]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/GroupMessageViewController.swift

ViewModel :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/GroupMessageViewModel.swift

[노트]

README URL :

https://github.com/njsh4261/SGS_Last_Punch/tree/dev/src/frontend/ios#5-%EB%85%B8%ED%8A%B8

[노트 목록 & 생성]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/Note/NoteListViewContoller.swift

ViewModel :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/Note/NoteListViewModel.swift

Note Cell :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/Note/NoteListCell.swift

[노트]

WebView

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/Note/CreateWKWebView.swift

[DM(Direct Message)태 및 1:1 채팅]

README URL :

https://github.com/njsh4261/SGS_Last_Punch/tree/dev/src/frontend/ios#6-dmdirect-message%ED%83%AD-%EB%B0%8F-11-%EC%B1%84%ED%8C%85

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/DirectMessage/DirectMessageListViewController.swift

ViewModel :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/DirectMessage/DirectMessageListViewModel.swift

DM Cell :

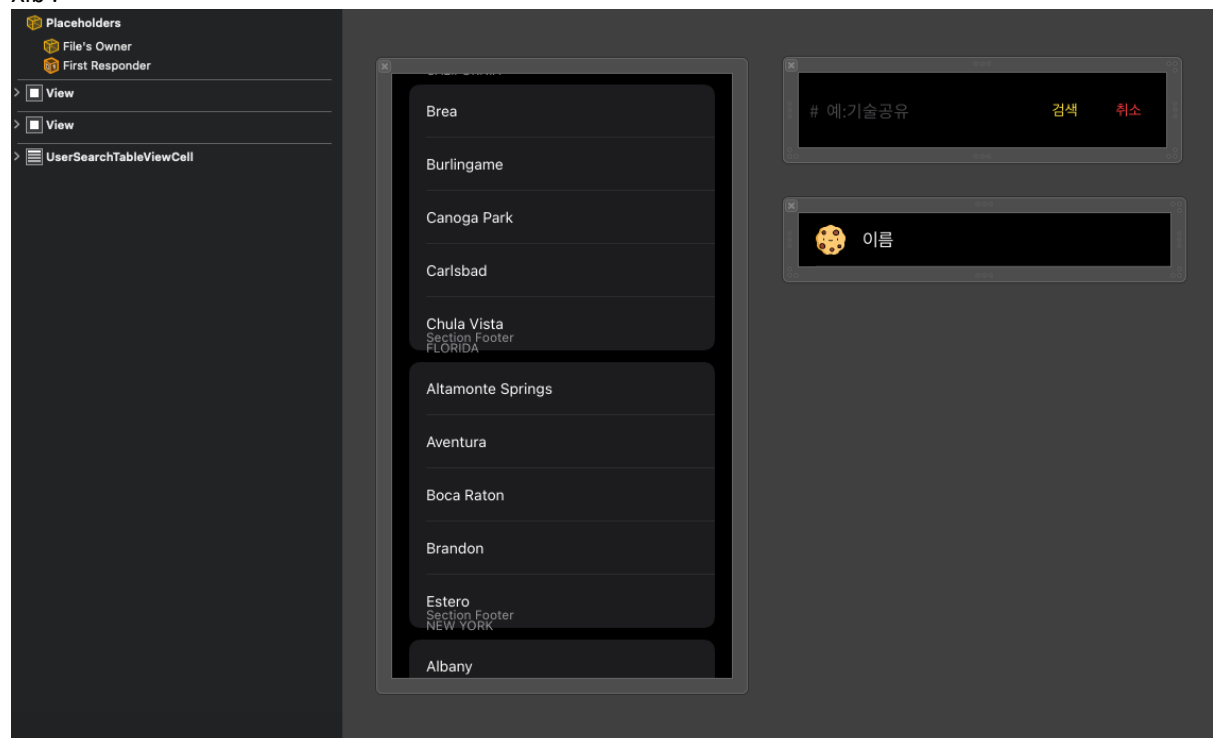
https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/DirectMessage/DirectMessageListCellView.swift

[사용자 검색] - MVC

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/DirectMessage/UserSearch/UserSearchViewController.swift

Xib :

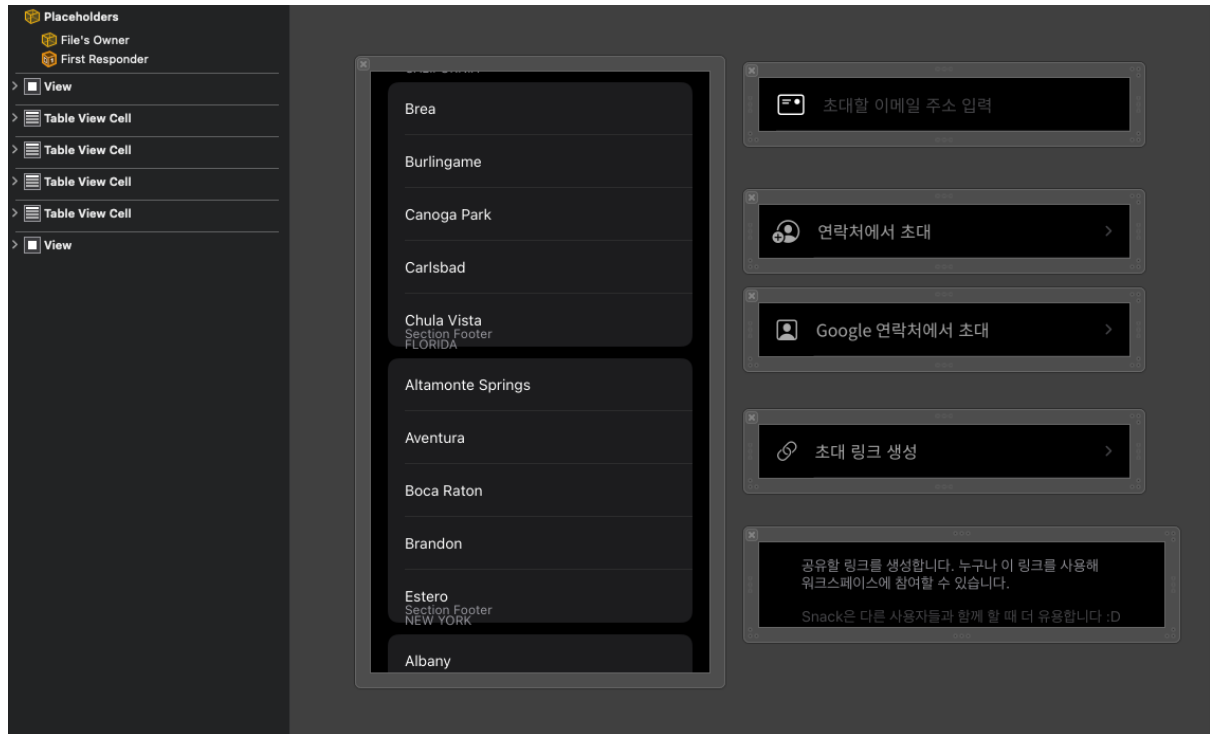


[사용자 추가] - MVC

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/DirectMessage/UserInvitation/UserInvitationViewController.swift

Xib :



[1:1 채팅]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/GroupMessageViewController.swift

ViewModel :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/GroupMessageViewModel.swift

[프로필 보기] - MVC

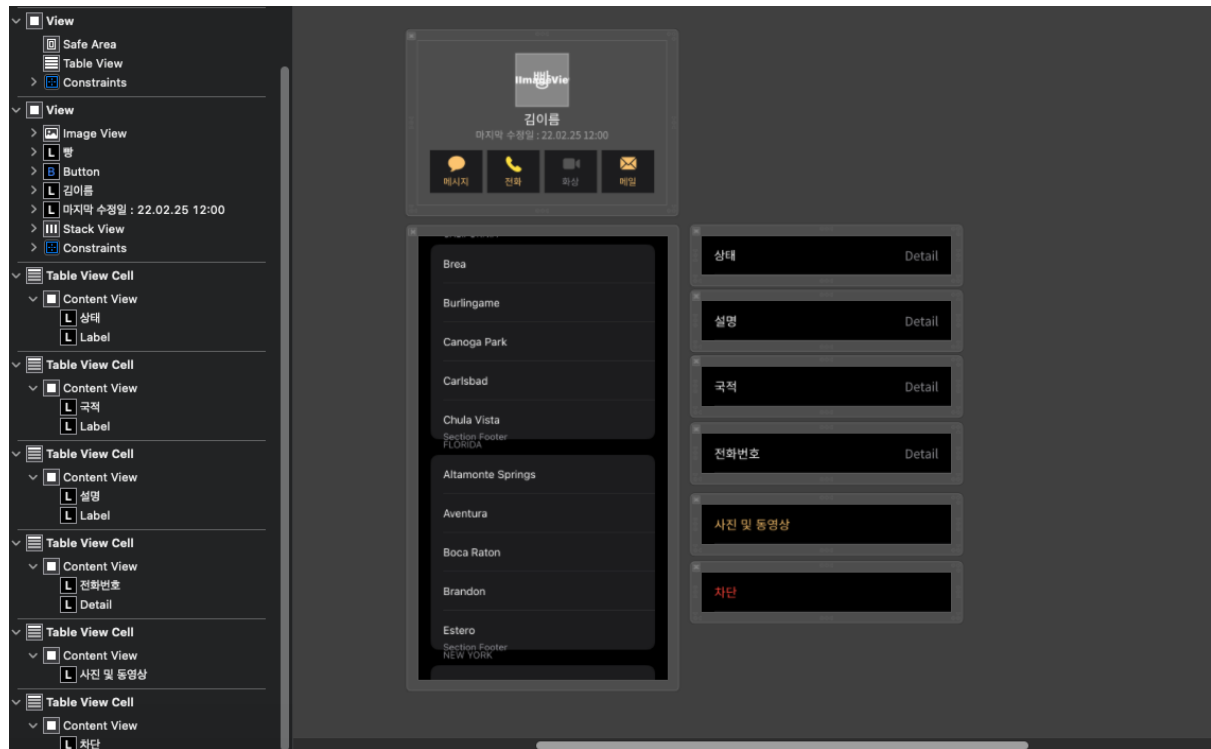
View(V) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/Profile/ProfileViewController.swift

ViewModel :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/ChatView/Profile/ProfileViewModel.swift

Xib :



[나(설정) 탭] - MVC

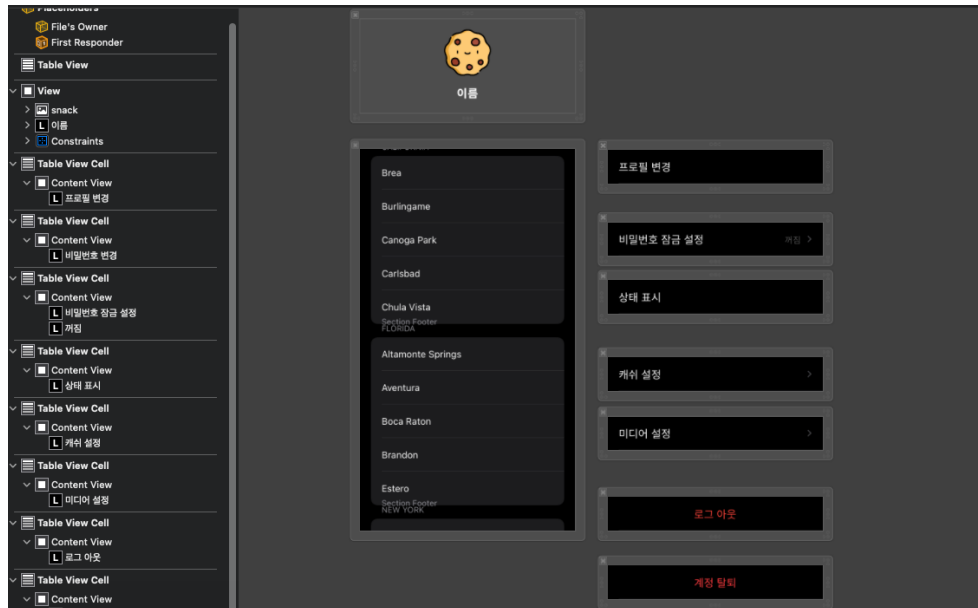
README URL :

https://github.com/njsh4261/SGS_Last_Punch/tree/dev/src/frontend/ios#7-%EB%82%98%EC%84%A4%EC%A0%95%ED%83%AD

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Settings/SettingsViewController.swift

Xib

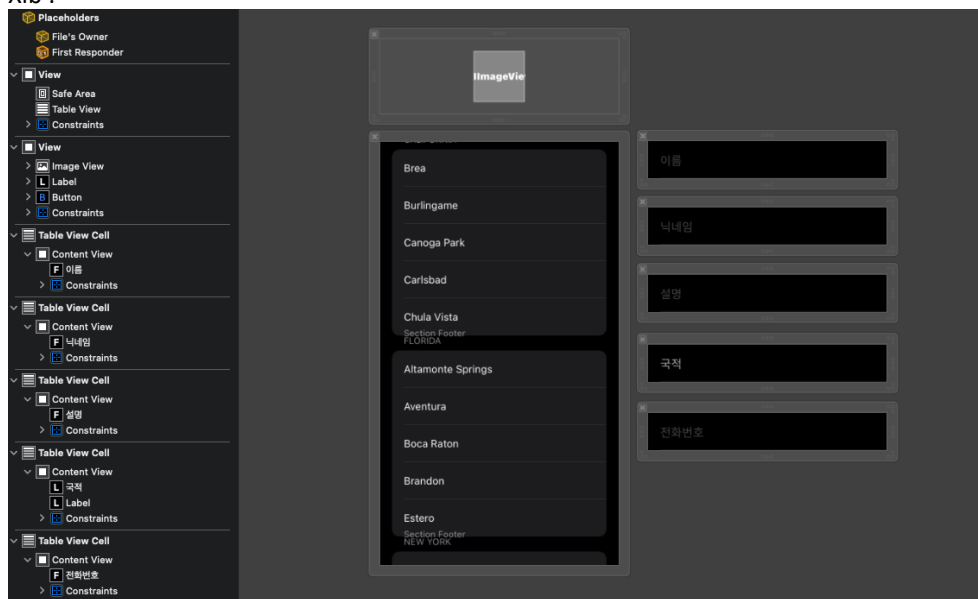


[프로필 변경]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Settings/SettingsViewController.swift

Xib :

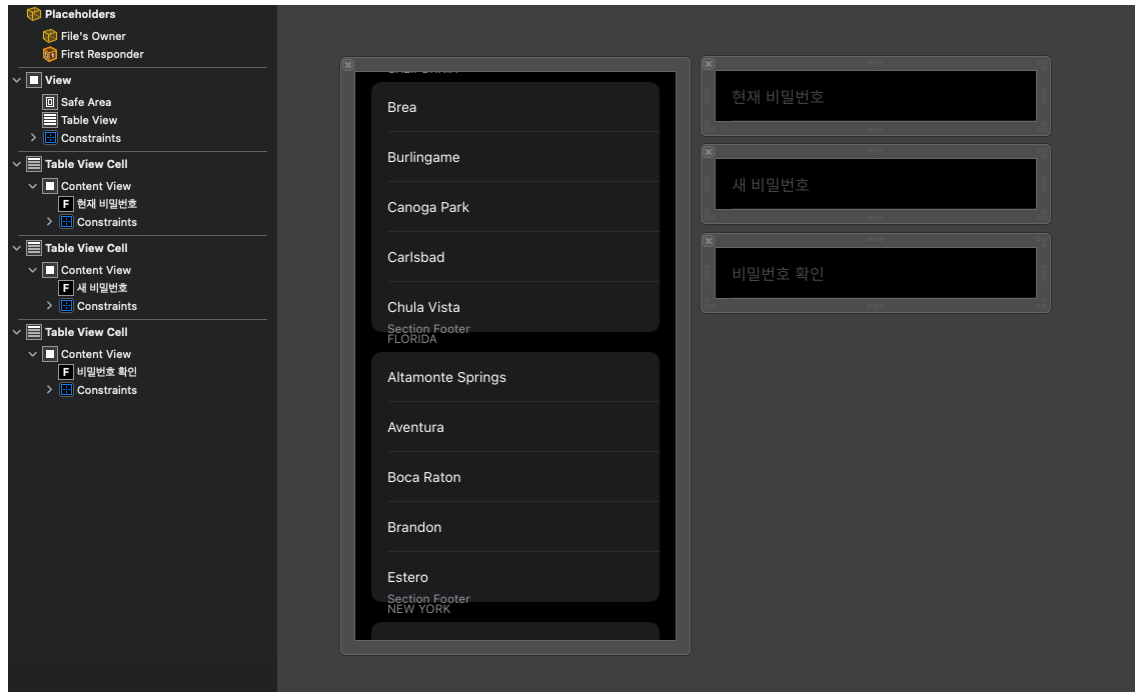


[비밀번호 변경]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Settings/Password/PasswordView.swift

Xib :

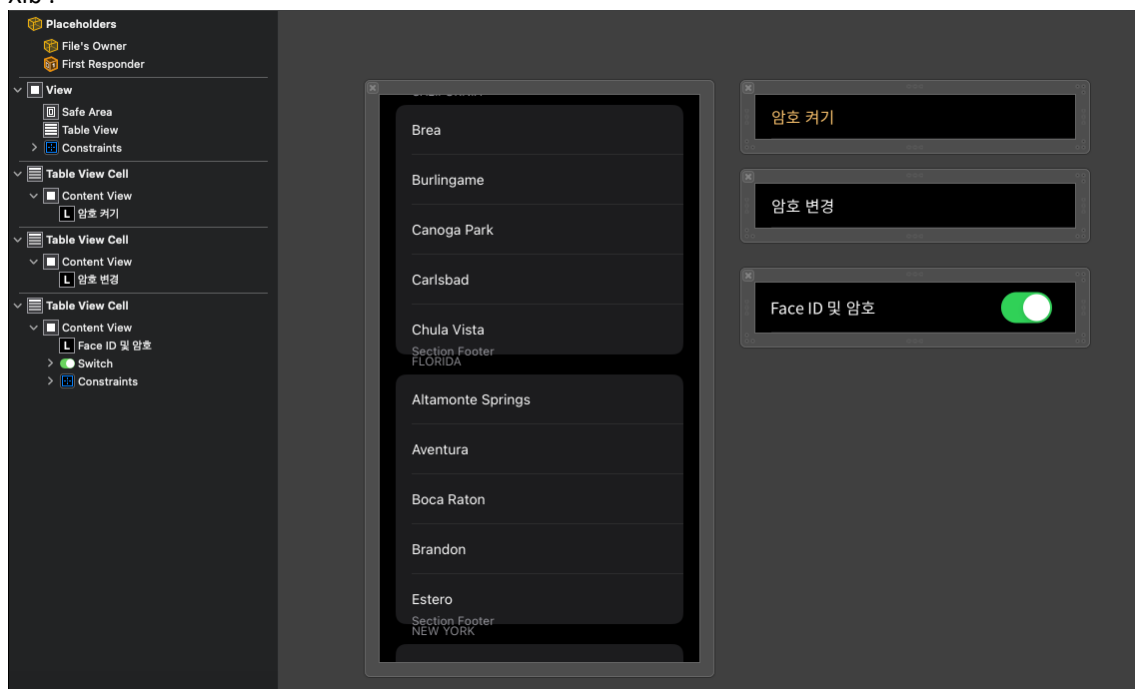


[암호(패스코드) 변경]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Settings/Passcode/PasscodeView.swift

Xib :

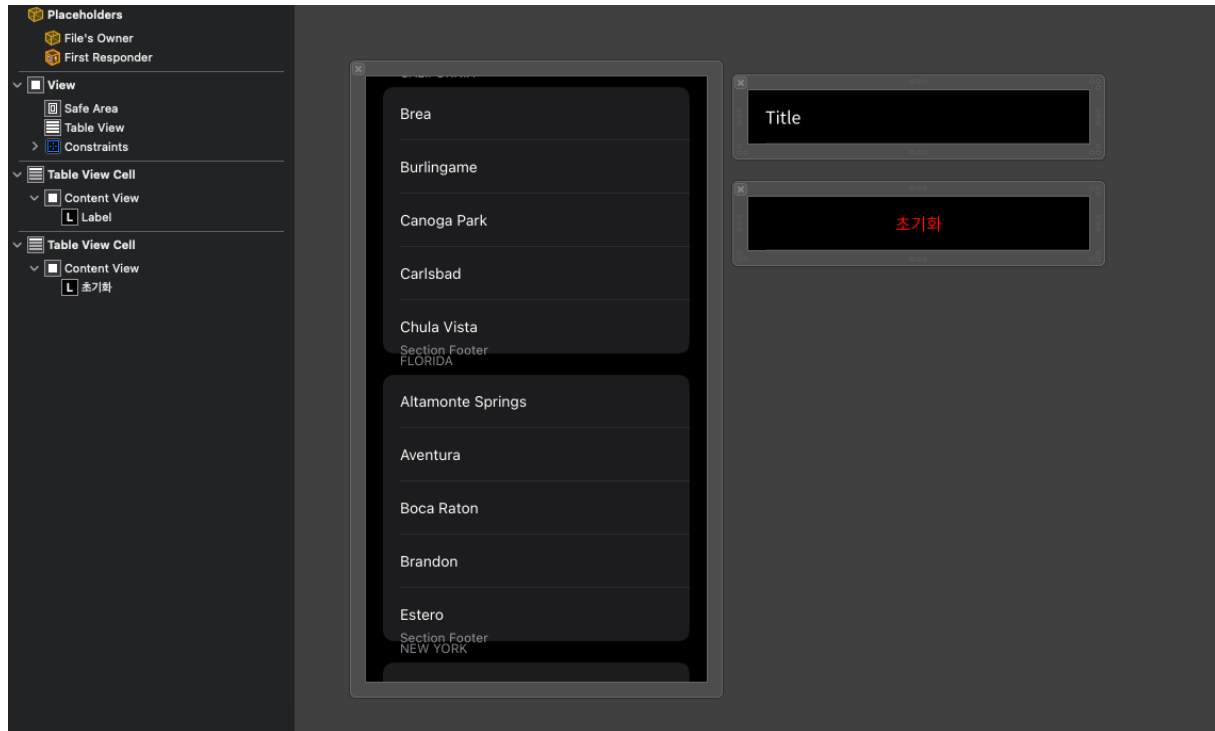


[상태 변경]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Settings/Status/StatusView.swift

Xib :

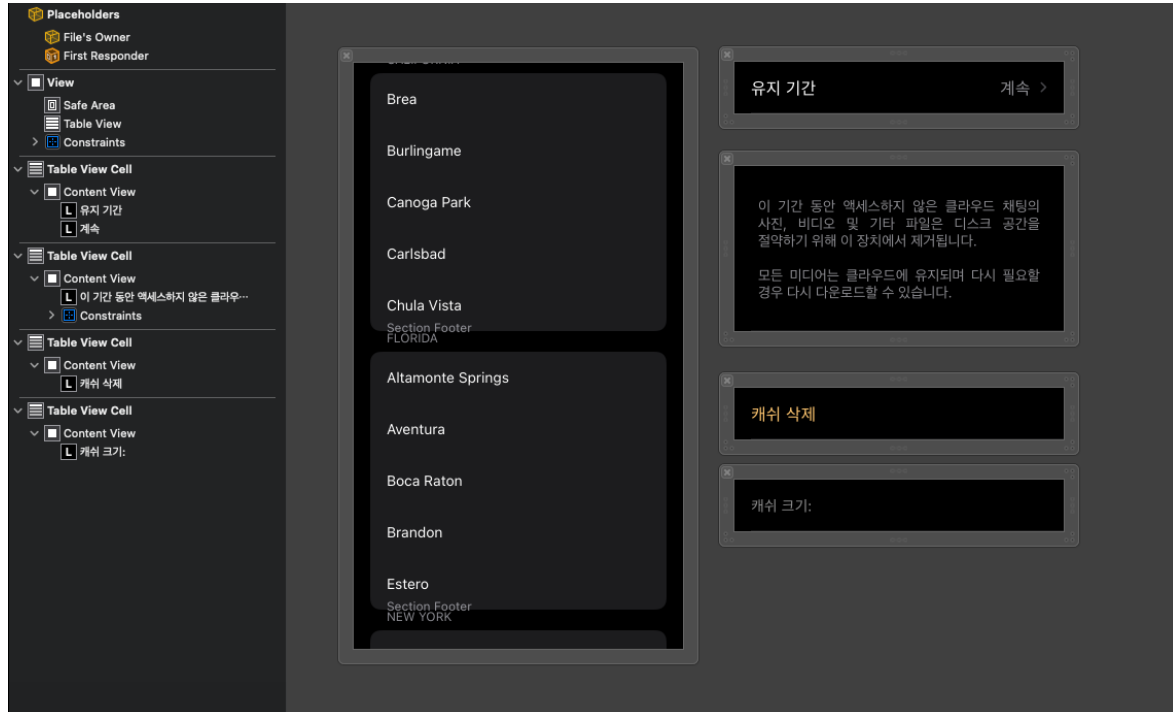


[캐쉬 설정]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Settings/Cache/CacheView.swift

Xib :

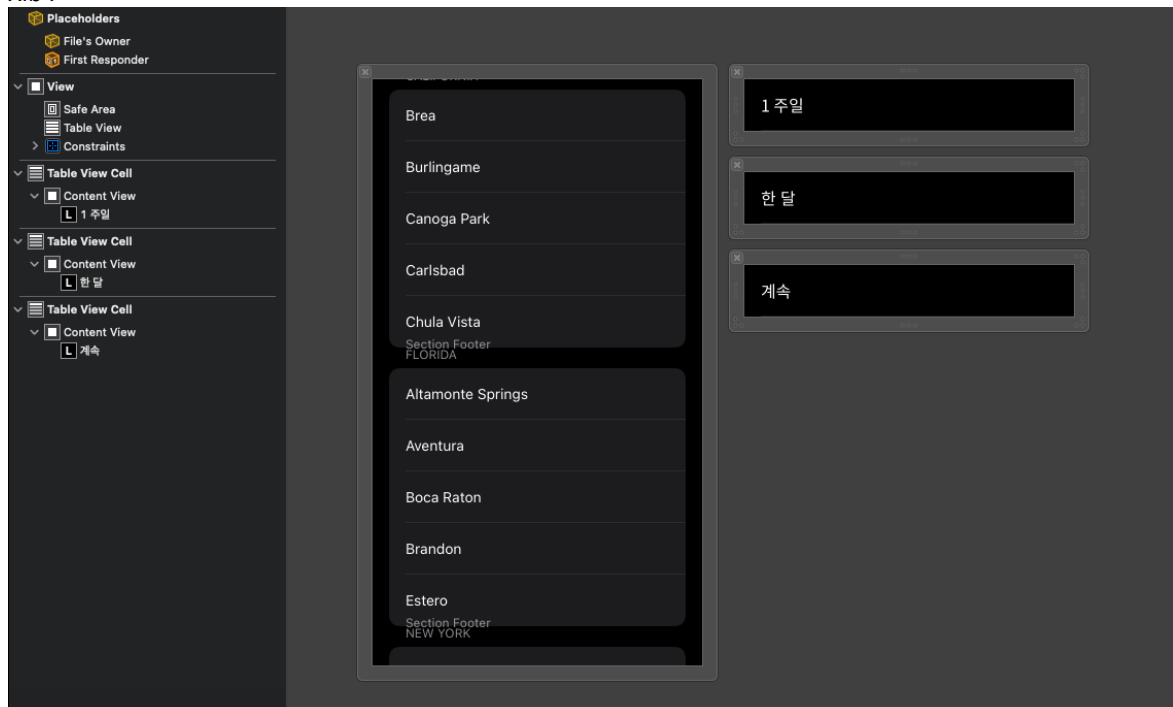


[캐쉬 설정 - 기간 설정]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Settings/Cache/KeepMedia/KeepMediaView.swift

Xib :

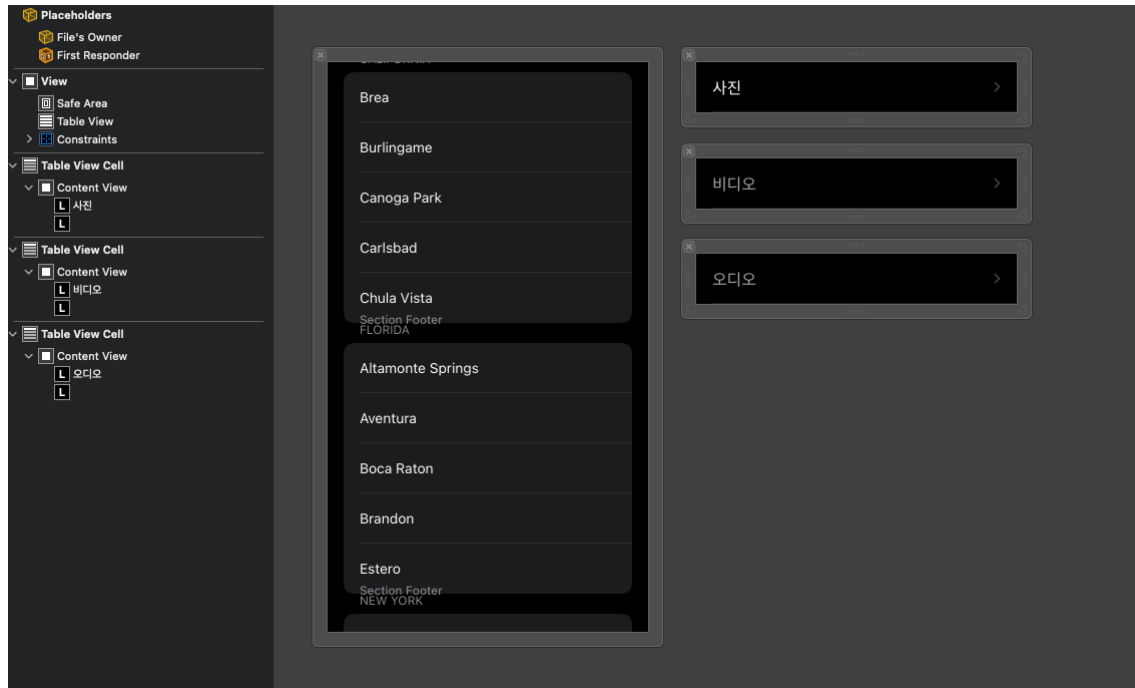


[미디어 관리]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Settings/Media/MeidaView.swift

Xib :

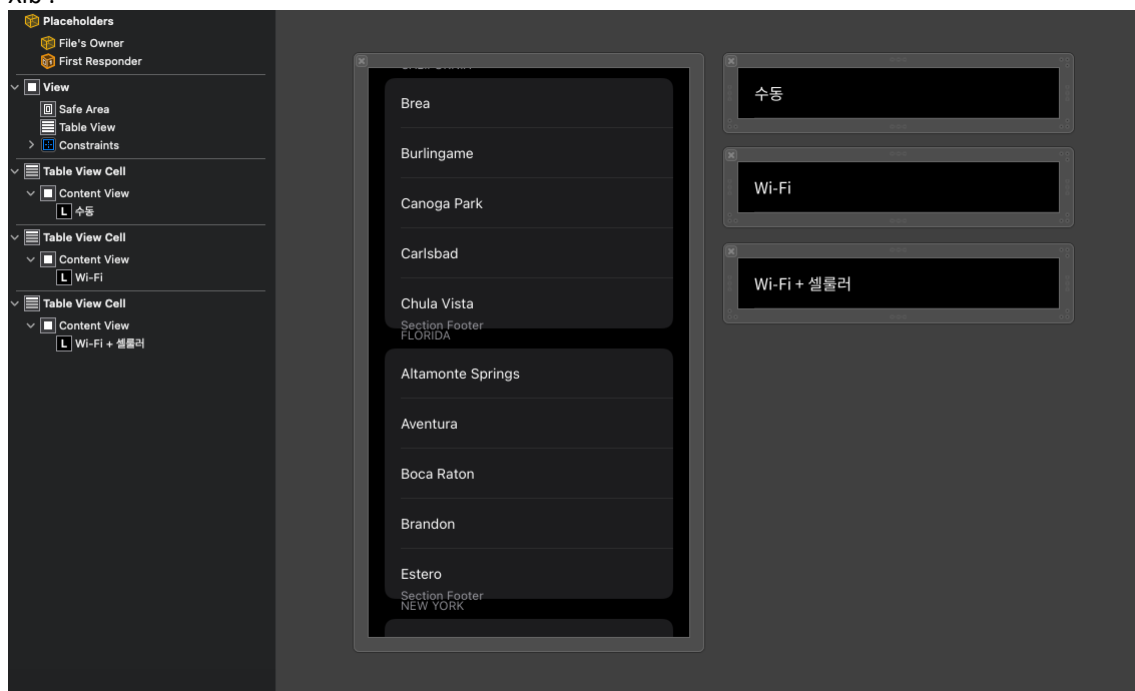


[미디어 관리 - 네트워크 설정]

View(VC) :

https://github.com/njsh4261/SGS_Last_Punch/blob/dev/src/frontend/ios/Snack/ViewControllers/HomeView/Tabs/Settings/Media/NetworkView/NetworkView.swift

Xib :



끝까지 봐주셔서 감사합니다 :D