

XcodeGenで xcodепrojを卒業する



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***.xcodeproj**

*.xcodепroj

- Target
- Build Settings
 - Framework Search Paths
 - Other Linker Flags
- Build Phases
 - Target Dependencies

こんな経験ありませんか？

*.xcodeprojがコンフリクト 😇

*.xcodепrojがコンフリクト

- 修正するのにそれなりに時間がかかる
- マージに成功してもfileRefが消えてたりする
- etc.

*.xcodепrojを管理したくない！

XcodeGen



XcodeGen

- XcodeGen is a command line tool that generates your Xcode project using your folder structure and a simple project spec.
- **Create projects on demand and remove your .xcodeproj file from git, which means no merge conflicts!**

project.yml → *.xcodепroj

\$ xcodegen

Target

Dependencies

StaticDI

Presentation,
Domain,
Infrastructure, Utility

Presentation

Domain, Utility

Domain

Infrastructure

Infrastructure

Utility

Utility

PROJECT



TARGETS



project.pbxproj

```
// !$*UTF8*$!
{
    archiveVersion = 1;
    classes = {
    };
    objectVersion = 46;
    objects = {

/* Begin PBXBuildFile section */
    0589839EF066302FF8381EF1 /* Pods_DomainTests.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = 5AD1D884549577507D3FBD6A /* Pods_DomainTests.framework */; };
    0ECEFC8C0E72FFA519EC2740 /* Pods_InfrastructureTests.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = 3285CF508C3CB86BE9DCE8A5 /* Pods_InfrastructureTests.framework */; };
    53174BD72660AA80143107FF /* Pods_StaticDI_Domain.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = 45709A372BBAB5EC0B10BFF3 /* Pods_StaticDI_Domain.framework */; };
    7720E1165E98C88CC7BA1B17 /* Pods_PresentationTests.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = 1427075075D0CFFD058086C1 /* Pods_PresentationTests.framework */; };
    7C0310147FC3B2700128268C /* Pods_StaticDI_Presentation.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = 5EB7D94A9CCC16376FF5D112 /* Pods_StaticDI_Presentation.framework */; };
    B9661B4B325165B87A0F5268 /* Pods_StaticDI_Infrastructure.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = BD1C3F976060CDB4B30DD2F1 /* Pods_StaticDI_Infrastructure.framework */; };
    BD3B20E49EE2D33D8C566633 /* Pods_StaticDI.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = BED0EFF050F9E406821BF26A /* Pods_StaticDI.framework */; };
    BF1073850101 /* AppDelegate.swift in Sources */ = {isa = PBXBuildFile; fileRef = FR1332263601 /* AppDelegate.swift */; };
    BF1374745401 /* Utility.framework in CopyFiles */ = {isa = PBXBuildFile; fileRef = FR8713155301 /* Utility.framework */; settings = {ATTRIBUTES = (CodeSignOnCopy, RemoveHeadersOnCopy, ); }; };
    BF1543799701 /* Infrastructure.framework in CopyFiles */ = {isa = PBXBuildFile; fileRef = FR1289457301 /* Infrastructure.framework */; settings = {ATTRIBUTES = (CodeSignOnCopy, RemoveHeadersOnCopy, ); }; };
    BF1744565901 /* ViewController.swift in Sources */ = {isa = PBXBuildFile; fileRef = FR6218091901 /* ViewController.swift */; };
    BF1919872001 /* Domain.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = FR4795479601 /* Domain.framework */; };
    BF1980193001 /* InfrastructureTests.swift in Sources */ = {isa = PBXBuildFile; fileRef = FR5797085901 /* InfrastructureTests.swift */; };
    BF2036675501 /* Presentation.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = FR8064748501 /* Presentation.framework */; };
    BF2250910101 /* Main.storyboard in Resources */ = {isa = PBXBuildFile; fileRef = VG2043127501 /* Main.storyboard */; };
    BF2445564001 /* LaunchScreen.storyboard in Resources */ = {isa = PBXBuildFile; fileRef = VG2858723001 /* LaunchScreen.storyboard */; };
    BF2822552901 /* DomainTests.swift in Sources */ = {isa = PBXBuildFile; fileRef = FR2760474101 /* DomainTests.swift */; };
    BF3154421201 /* Assets.xcassets in Resources */ = {isa = PBXBuildFile; fileRef = FR5980633301 /* Assets.xcassets */; };
    BF4763127901 /* Infrastructure.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = FR1289457301 /* Infrastructure.framework */; };
    BF4993005301 /* Utility.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = FR8713155301 /* Utility.framework */; };
    BF6069884001 /* UtilityTests.swift in Sources */ = {isa = PBXBuildFile; fileRef = FR9054953201 /* UtilityTests.swift */; };
    BF6448005701 /* Domain.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = FR4795479601 /* Domain.framework */; };
    BF6463449201 /* Utility.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = FR8713155301 /* Utility.framework */; };
    BF6841545201 /* Log.swift in Sources */ = {isa = PBXBuildFile; fileRef = FR5638879301 /* Log.swift */; };
    BF7785221801 /* Presentation.framework in CopyFiles */ = {isa = PBXBuildFile; fileRef = FR8064748501 /* Presentation.framework */; settings = {ATTRIBUTES = (CodeSignOnCopy, RemoveHeadersOnCopy, ); }; };
    BF8144242901 /* Utility.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = FR8713155301 /* Utility.framework */; };
    BF8650047401 /* Domain.framework in CopyFiles */ = {isa = PBXBuildFile; fileRef = FR4795479601 /* Domain.framework */; settings = {ATTRIBUTES = (CodeSignOnCopy, RemoveHeadersOnCopy, ); }; };
    BF8764956401 /* Utility.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = FR8713155301 /* Utility.framework */; };
    BF8779185001 /* Infrastructure.framework in Frameworks */ = {isa = PBXBuildFile; fileRef = FR1289457301 /* Infrastructure.framework */; };
    BF8884663701 /* PresentationTests.swift in Sources */ = {isa = PBXBuildFile; fileRef = FR2071871501 /* PresentationTests.swift */; };
}
```

project.yml

```
name: StaticDI
settings:
  base:
    IPHONEOS_DEPLOYMENT_TARGET: 11.1
targets:
  StaticDI:
    dependencies:
      - target: Presentation
      - target: Domain
      - target: Infrastructure
      - target: Utility
    type: application
    platform: iOS
    sources: StaticDI
    settings:
      INFOPLIST_FILE: StaticDI/Supporting Files/info.plist
      PRODUCT_BUNDLE_IDENTIFIER: com.nonchalant.StaticDI
    scheme:
      testTargets: StaticDITests
  postbuildScripts:
    - script: ${SRCROOT}/Pods/SwiftLint/swiftlint autocorrect\n${PODS_ROOT}/SwiftLint/swiftlint lint
      name: Swiftlint Run Script
  ...
```

project.pbxproj

project.yml

可読性



コンフリクトの発生 高い

低い

頻度

行数

2123

142

RIP *.xcodeproj