

Miscellaneous Topics

Mobile Application Development in iOS

School of EECS

Washington State University

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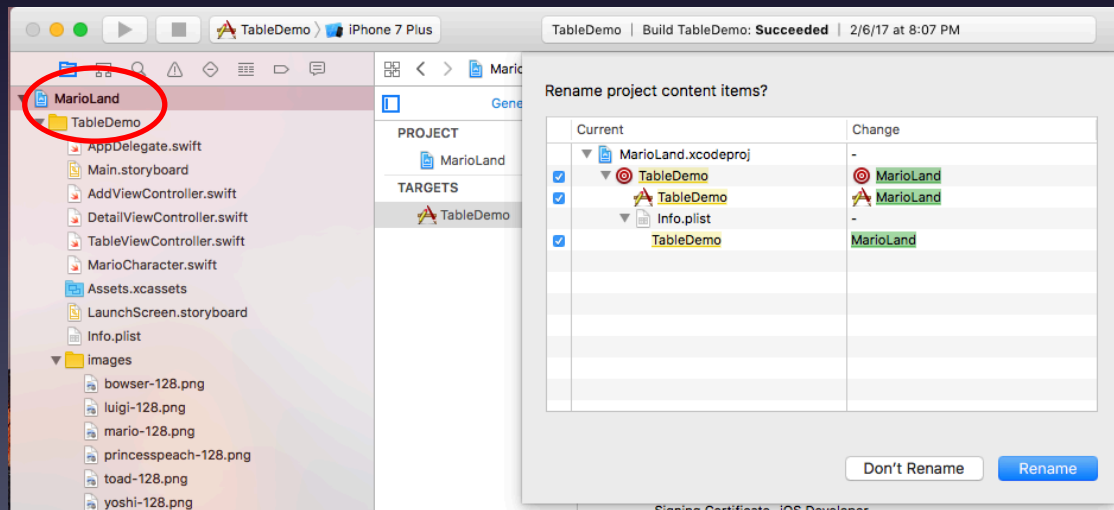
Outline

- Renaming Xcode project and app
- Add app icons
- Package management with CocoaPods

Renaming Xcode Project and App

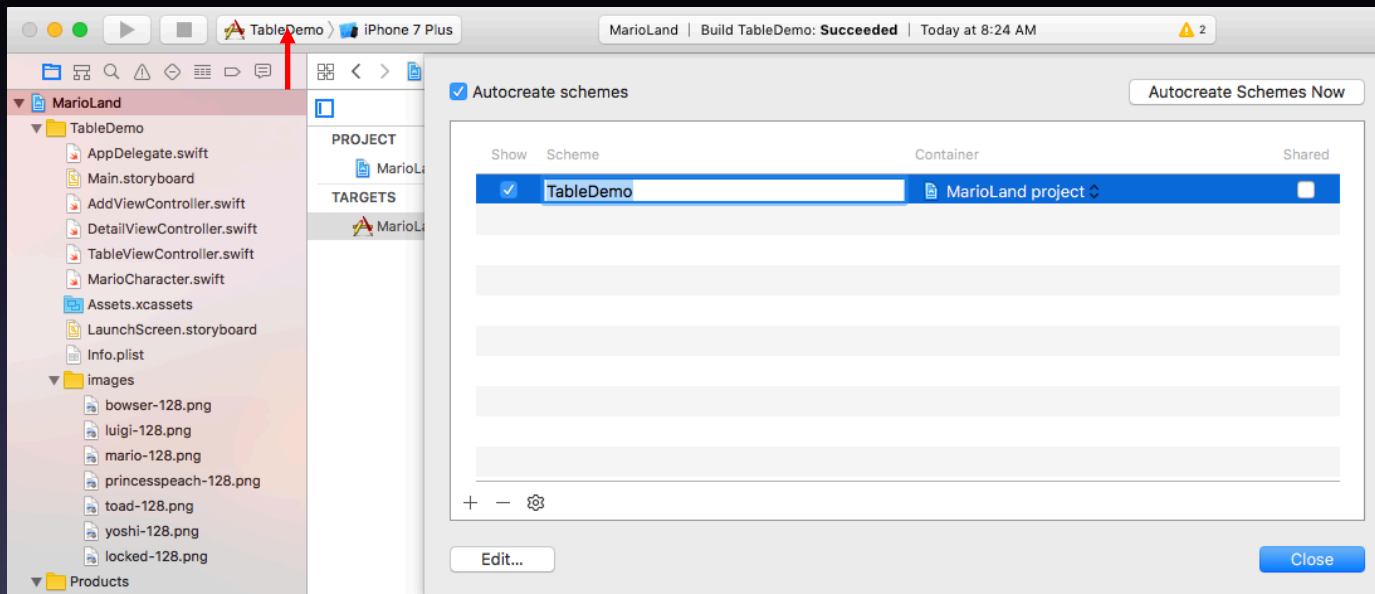
Renaming Xcode Project

- Step 1: Change project name in upper left of file hierarchy
 - Rename project content items



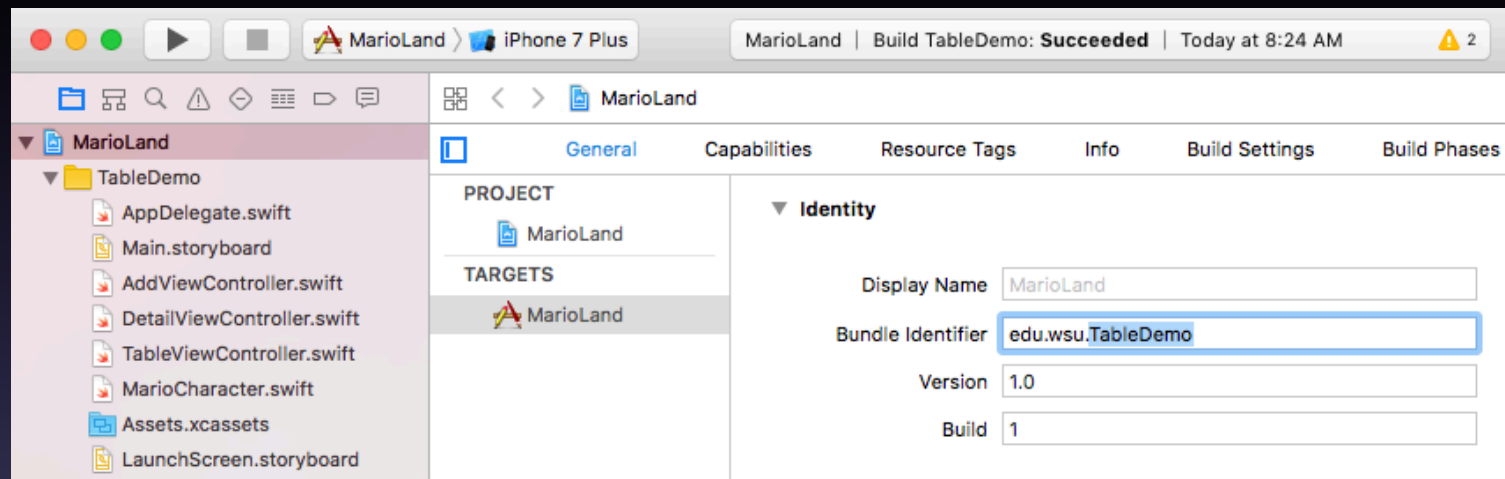
Renaming Xcode Project

- Step 2: Rename scheme



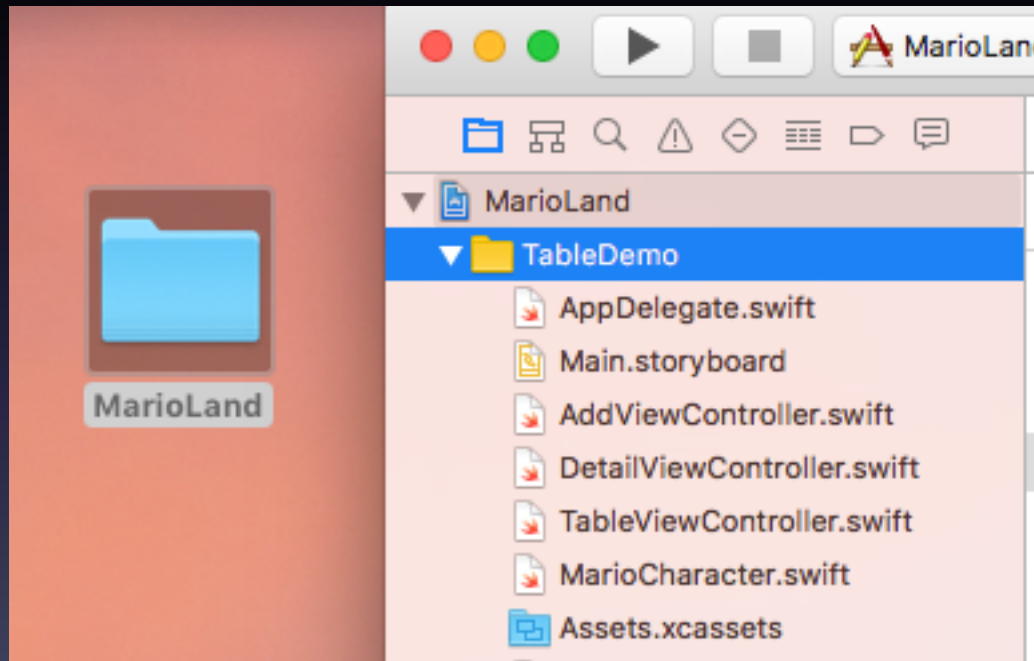
Renaming Xcode Project

- Step 3: Change bundle identifier



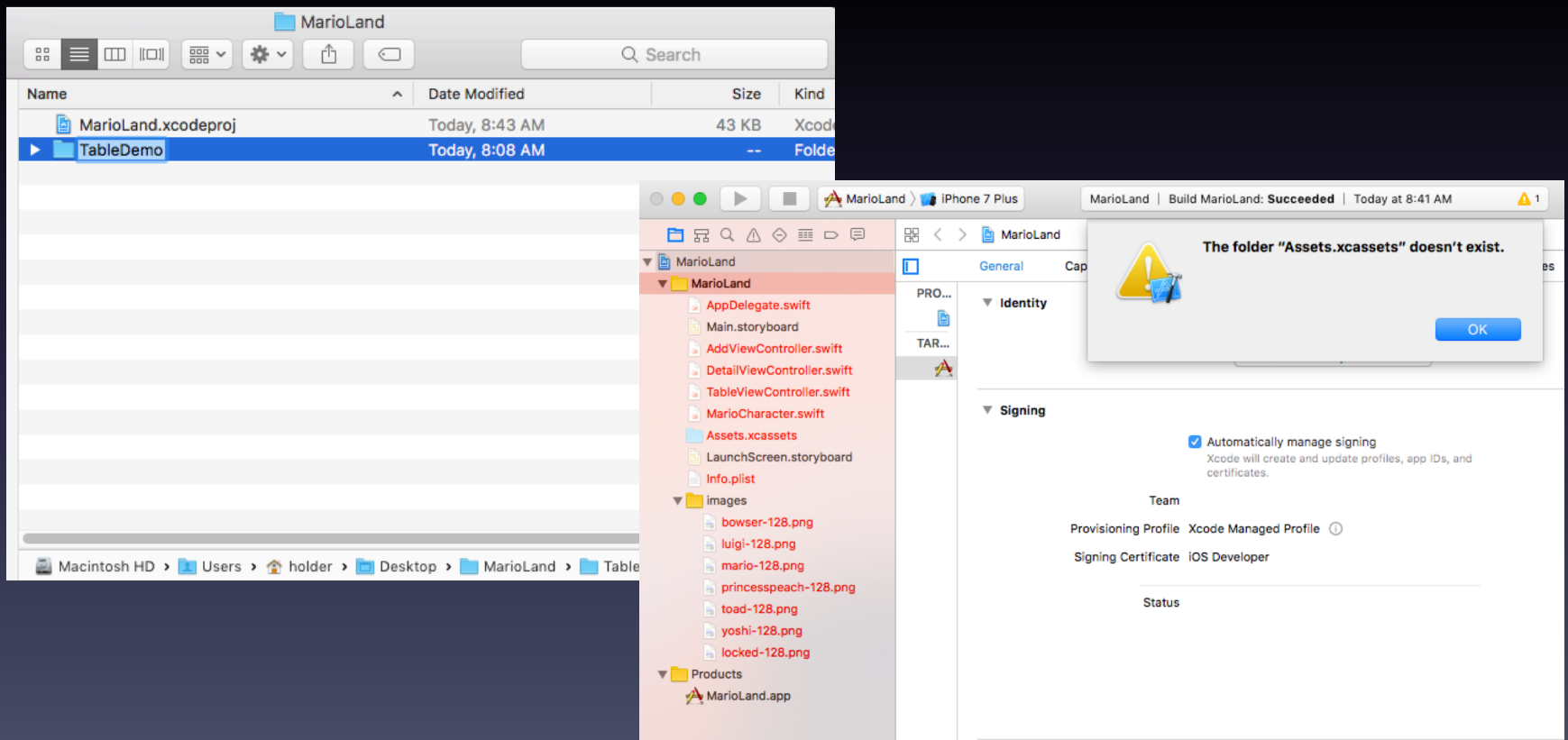
Renaming Xcode Project

- Step 4: Change top-level folder/file names



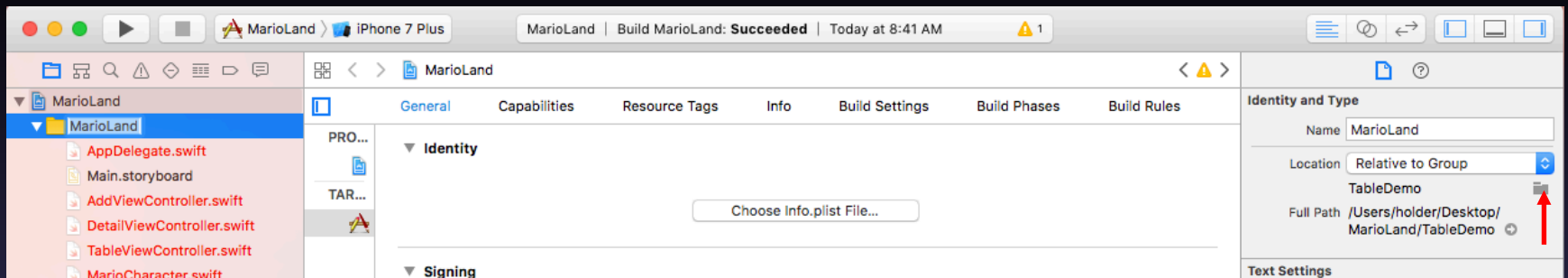
Renaming Xcode Project

- Step 5: Rename source code folder (optional)



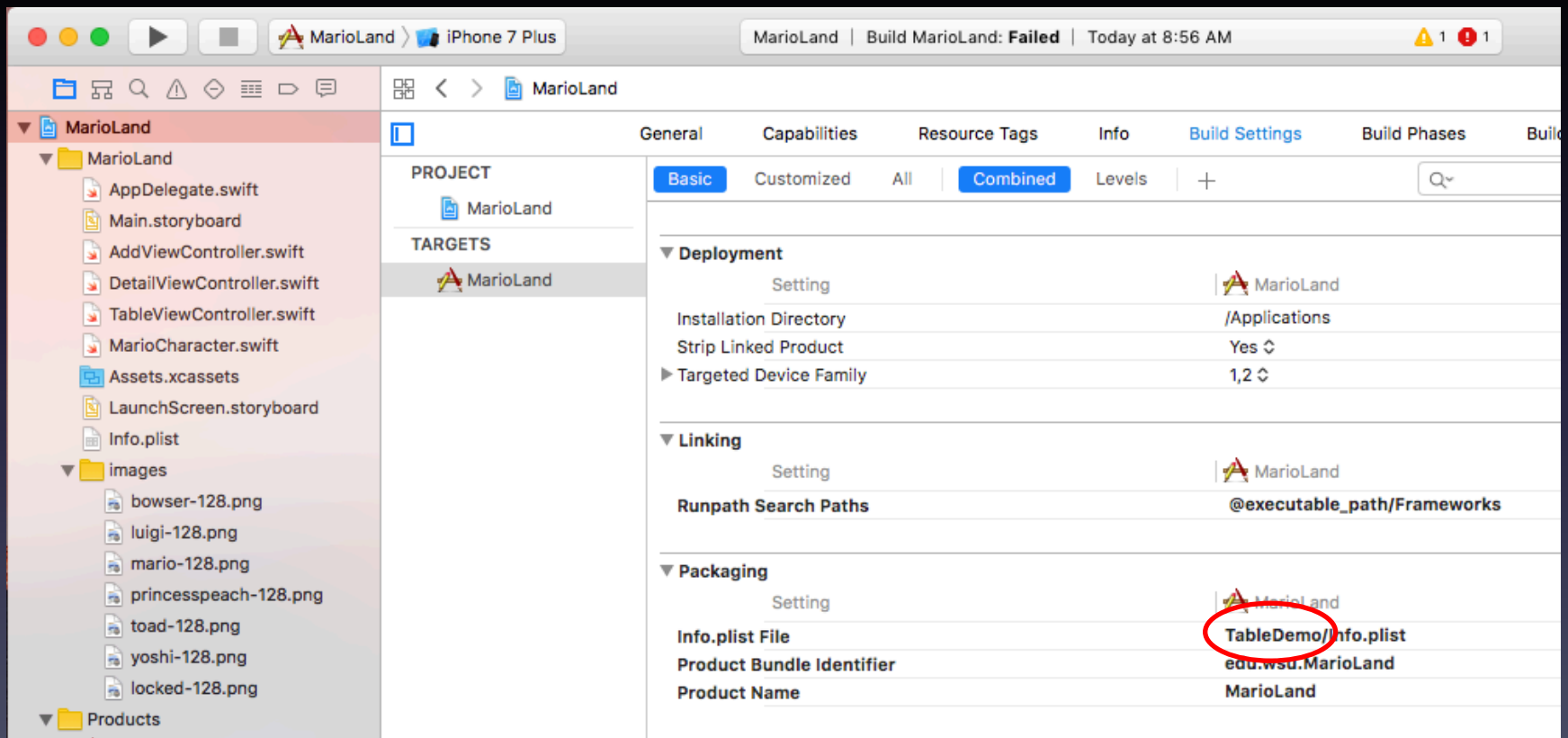
Renaming Xcode Project

- Step 5a: Change source code path



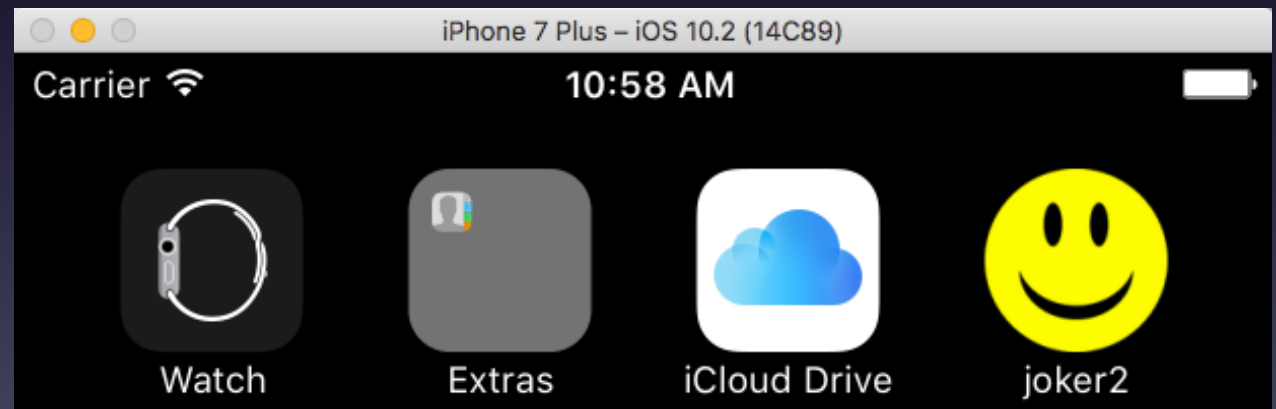
Renaming Xcode Project

- Step 6: Change any build settings (Done!)

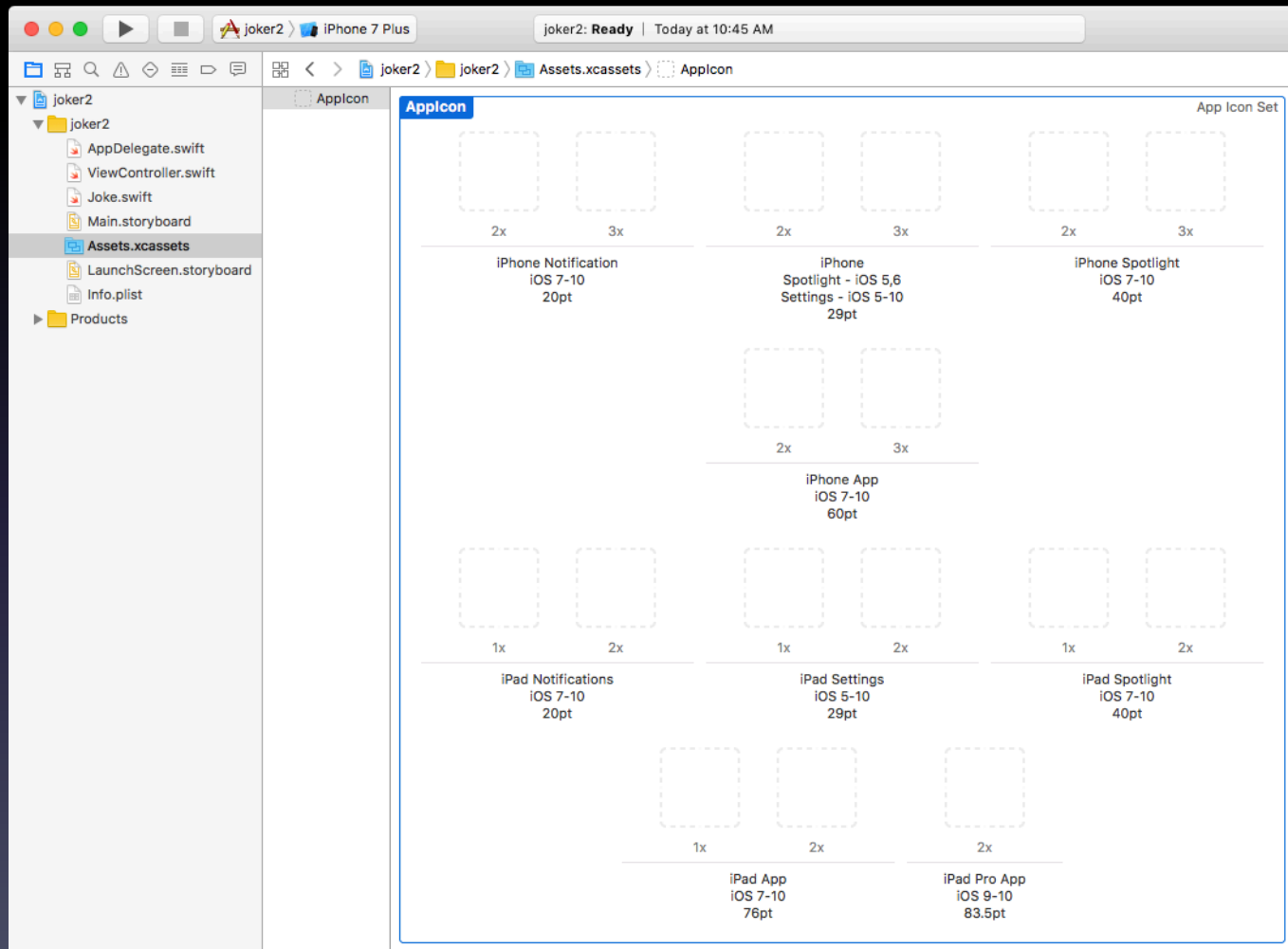


Add App Icons

Add App Icons



Add App Icons



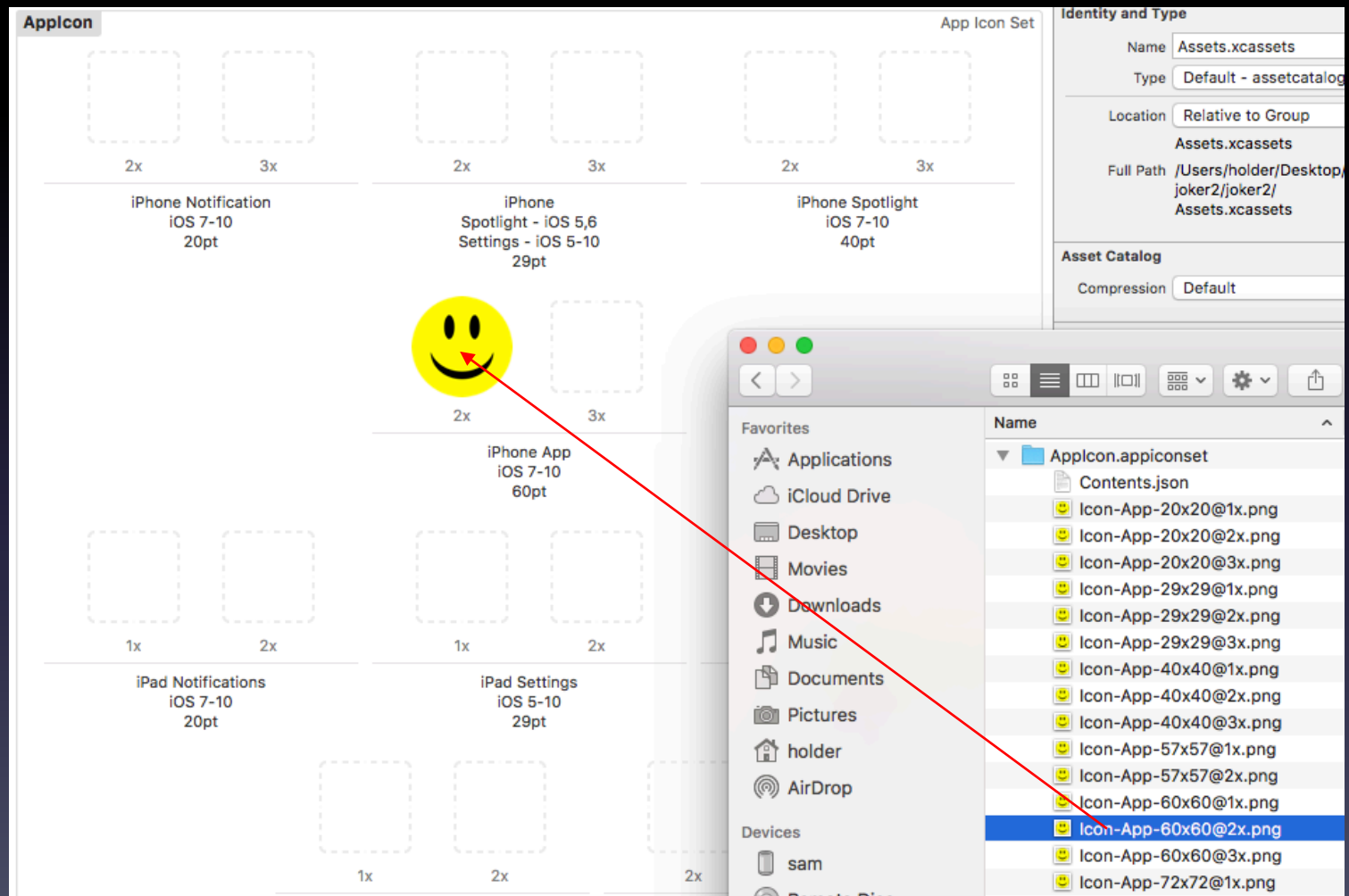
Add App Icons

- Create main high-resolution icon
- Use app icon service to generate different resolutions
 - E.g., www.makeappicon.com
- Drag and drop into Applcon assets

Add App Icons

Name	^	Date Modified	Size	Kind
▼ AppIcon.appiconset		Today, 10:41 AM	--	Folder
Contents.json		Nov 16, 2016, 9:13 AM	4 KB	Plain Text Document
Icon-App-20x20@1x.png		Jan 30, 2017, 5:17 PM	680 bytes	PNG image
Icon-App-20x20@2x.png		Jan 30, 2017, 5:17 PM	2 KB	PNG image
Icon-App-20x20@3x.png		Jan 30, 2017, 5:17 PM	2 KB	PNG image
Icon-App-29x29@1x.png		Jan 30, 2017, 5:17 PM	1 KB	PNG image
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iTunesArtwork@3x.png		Jan 30, 2017, 5:17 PM	172 KB	PNG image
README.md		Apr 29, 2016, 12:18 PM	1 KB	Markdown Document

Add App Icons



Package Management with CocoaPods

Package Management with CocoaPods

- <https://cocoapods.org>
- MacOS installation (using Ruby)
 - `sudo gem install cocoapods`
- Create Podfile in top-level app directory
 - `pod init`
- Add pods to Podfile
- Install dependencies
 - `pod install`

Podfile Example: SQLite.swift

```
# Podfile

target 'SQLiteDemo1' do
  use_frameworks!

  pod 'SQLite.swift', '~> 0.11.2'
end
```

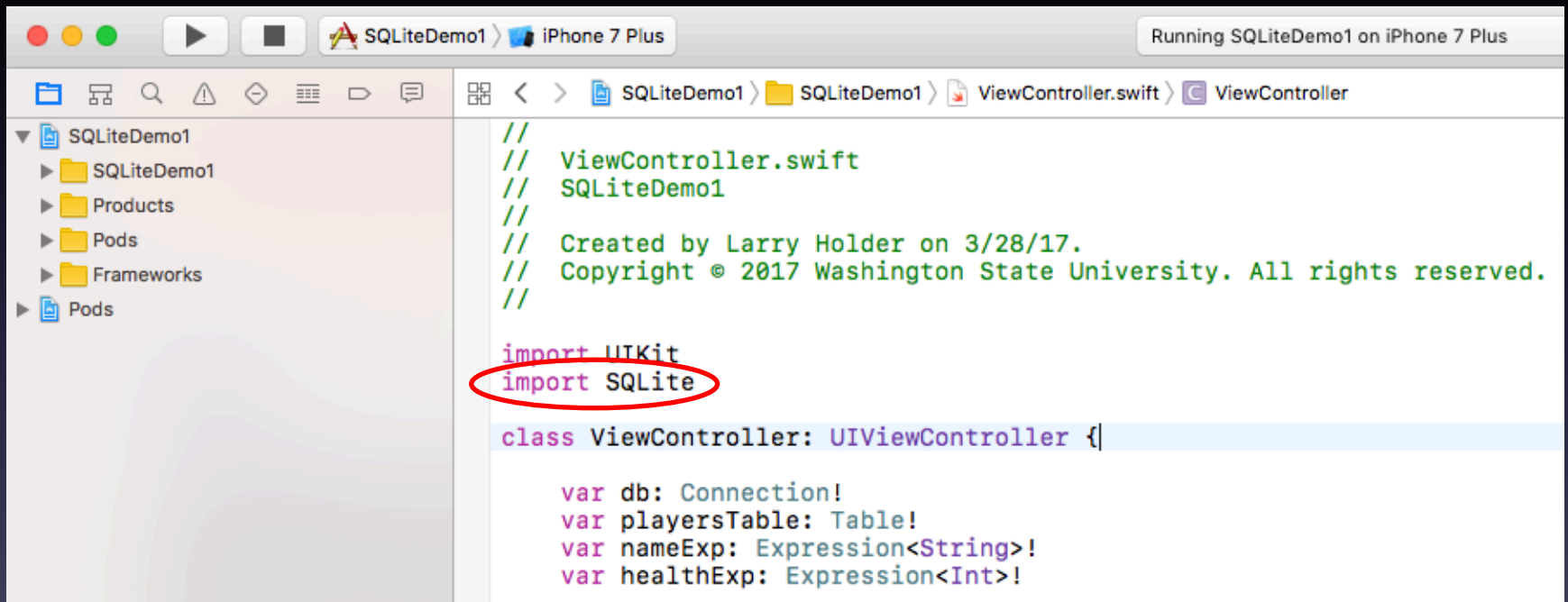
```
> pod install
```

```
...
```

```
[!] Please close any current Xcode sessions and use
'SQLiteDemo1.xcworkspace' for this project from now on.
```

CocoaPods

- Usually requires an import



Other Package Management Tools

- Carthage
 - <https://github.com/Carthage/Carthage>
 - Similar to CocoaPods, but decentralized
- Swift Package Manager
 - <https://swift.org/package-manager/>
 - Doesn't work with iOS (yet)