

## PDF Read Me - DocInteraction

### Description

This sample shows how to use `UIDocumentInteractionController` to obtain information about documents and how to preview them. There are two ways to preview documents: one is to use `UIDocumentInteractionController`'s preview API, the other is directly use `QLPreviewController`. This sample also demonstrates the use of `UIFileSharingEnabled` feature so you can upload documents to the application using iTunes and then to preview them. With the help of "kqueue" kernel event notifications, the sample monitors the contents of the Documents folder.

In addition it leverages `UIDocumentInteractionController`'s built-in `UIGestureRecognizer`s (i.e. single tap = preview, tap-hold = options menu) by attaching them to the display icon.

### DirectoryWatcher

An object used to help monitor the contents of the "Documents" folder by using "kqueue", a kernel event notification mechanism. Normally apps would use these `UIApplication` delegate calls to scan the Documents folder for content changes:

- (void)applicationDidBecomeActive:(UIApplication \*)application;
- (void)applicationWillResignActive:(UIApplication \*)application;

With the `DirectoryWatcher` object, rather, you can detect changes without having to unnecessarily scan the Documents folder in numerous places in your code.

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#### **BUILD REQUIREMENTS:**

iOS SDK 4.1 or later

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#### **RUNTIME REQUIREMENTS:**

iOS 4.0 or later

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#### **CHANGES FROM PREVIOUS VERSIONS:**

Version 1.2

- Fixed Xcode project deployment target to 4.0.

Version 1.1

- Modified and improved for previewing files in the Documents folder.

Version 1.0

- First Version, released for WWDC 2010

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