PSPDFKit

iOS PDF Framework

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PSPDFKit Introduction

PSPDFKit is the leading framework for displaying and annotating PDFs in iOS Apps.

Time To Market

It supports blazingly fast PDF viewing, adding/editing annotations, and filling out forms. Our battle-tested code is trusted by Dropbox, Evernote and hundreds of other apps. Benefit from a solid codebase and incorporate all those advanced features into your own application. It'll save you at least one year in comparison with in-house development.

Easy Integration

Almost every aspect of PSPDFKit is customizable and designed from the ground up to offer maximum flexibility. The developer-friendly API exposes a lot of features that'll cover just about every use case you can think of. Focus on the unique parts of your product and build on a well-documented codebase that is heavily field tested and "just works."

Features

The list of features includes:

- Viewing and navigating PDFs
- Full text search
- Annotating PDFs
- PDF Forms
  - AcroForms
  - Combo Box / List Box
  - Form Toolbar
- Embedded Videos
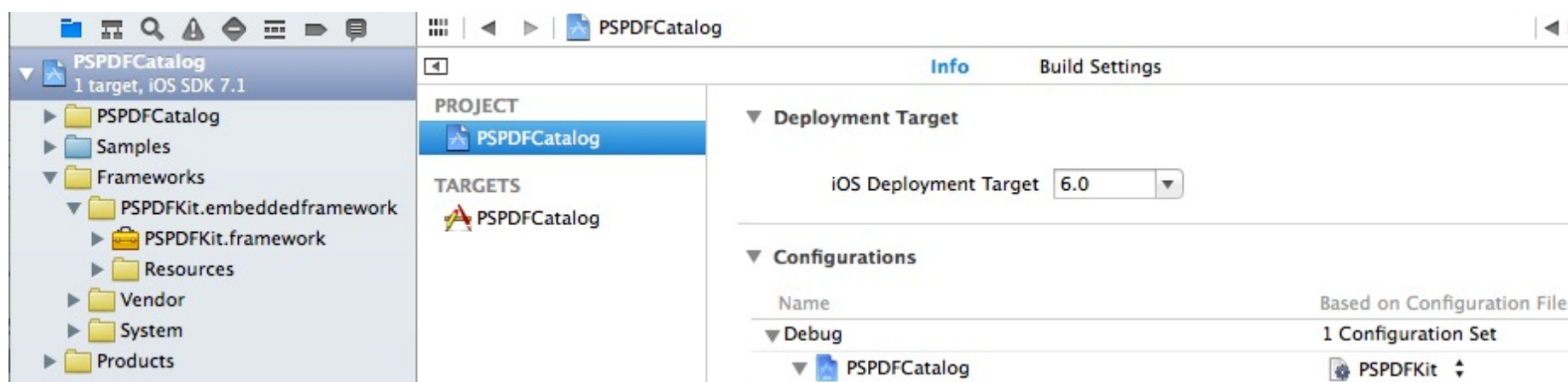- Share your PDFs via Email
- Encryption and Security
- … and many more!

FIG. 1: Integrating the binary distribution of PSPDFKit with your project

Getting Started - Integration

PSPDFKit is designed to compile with Xcode 5 (iOS SDK 7 with Clang compiler). It fully supports iOS 6 and 7, both in their native style.

CocoaPods

PSPDFKit is available via CocoaPods. Just add the 'PSPDFKit' pod and you're good to go. There is only one version for all variants, and you can unlock features with your license key.

Binary

Simply drag the **PSPDFKit.embeddedframework** folder into your Xcode project and you're almost done. Now enable the **PSPDFKit.xcconfig** as seen in **FIG. 1** or add the required frameworks as listed. If you have custom values set in your project settings "Other Linker Flags", you need to clear that or merge the entries with the contents of **PSPDFKit.xcconfig**.

Source Code

If you have the source code and want to integrate PSPDFKit as a subproject, copy the PSPDFKit source folder into your repository and drag the **PSPDFKit-lib.xcodeproj** file into your project tree. Add it as a dependency (choose PSPDFKit, not PSPDFKit Demo) and add the library to the "Link Binary with Libraries" phase as can be seen in **FIG. 2**. Be sure to also add **PSPDFKit.bundle** and make sure it's within "Copy Bundle Resource."
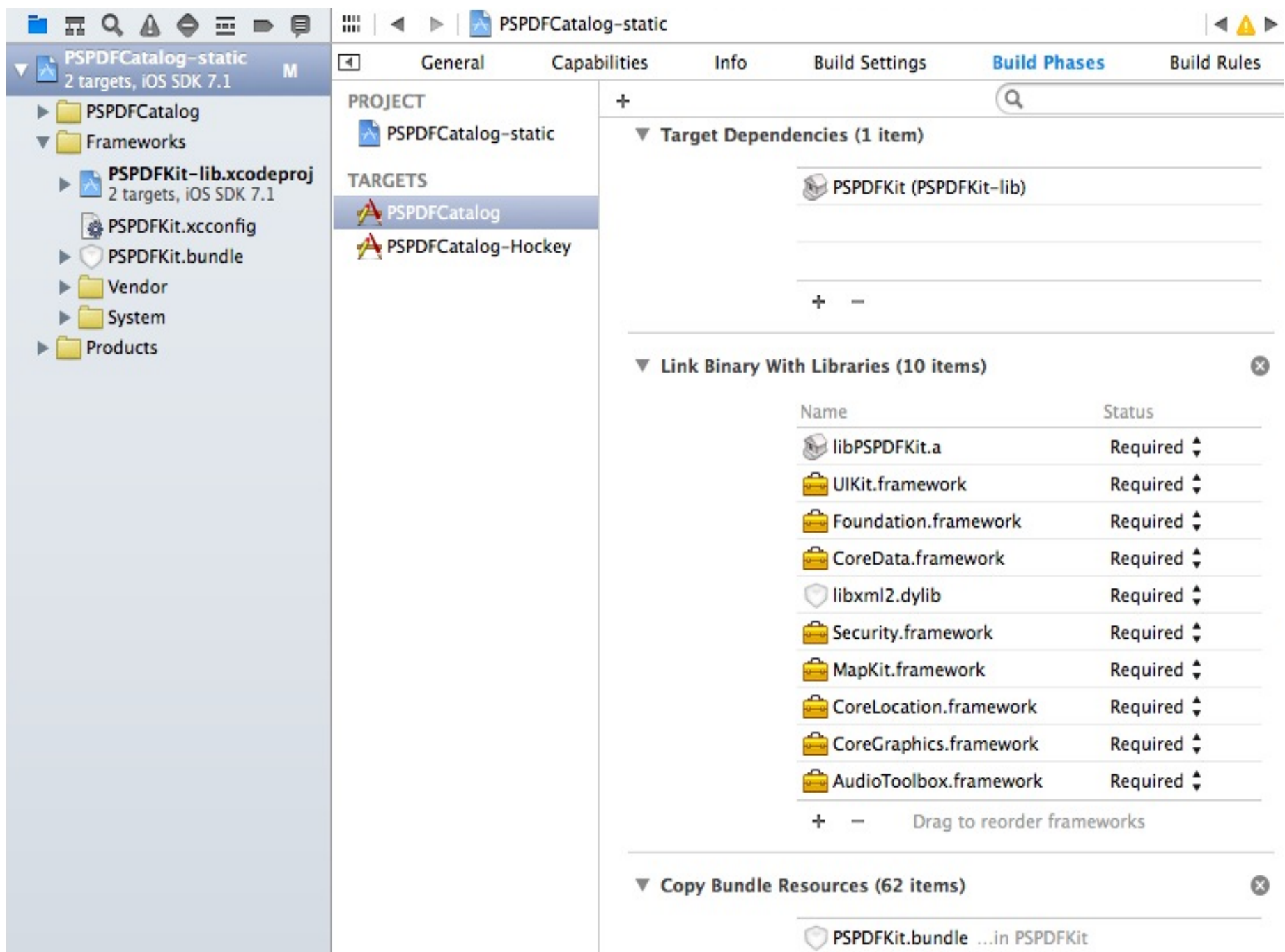
FIG. 2: Integrating the Source Code of PSPDFKit in your Project: Dependencies

In Build Settings, set the "User Header Search Paths" to "PSPDFKit" (the folder that you copied into your project folder) and check "Recursive" as can be seen in **FIG. 3.**

Be sure to add the file **ACKNOWLEDGEMENTS** to your app resources to value third-party licenses.
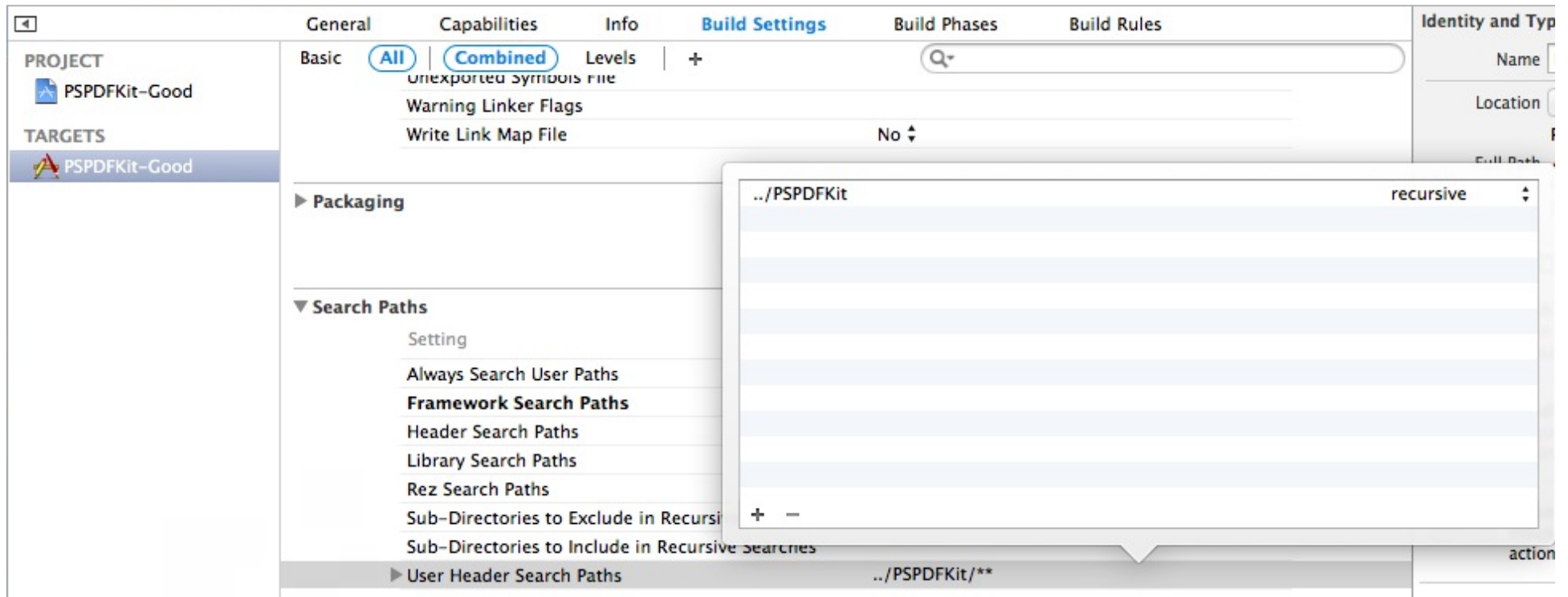
FIG. 3: Integrating the Source Code of PSPDFKit in your Project: Build Settings

Required frameworks are:

```
CoreText.framework, QuartzCore.framework, MessageUI.framework,
libz.dylib, ImageIO.framework, CoreMedia.framework,
MediaPlayer.framework, CFNetwork.framework, AVFoundation.framework,
AssetsLibrary.framework, Security.framework, QuickLook.framework,
AudioToolbox.framework, sqlite3, libxml2, CoreData.framework,
CoreTelephony.framework, SystemConfiguration.framework
```

and the linker flags

```
-ObjC -fobjc-arc
```

(only if you're not using ARC).

Getting Started - Hello PDF!

First Example - Source Code

A simple example for using PSPDFKit:

```objc
#import "PSPDFKit.h"// when using PDPDFKit-lib.xcodeproj (source code)
#import <PSPDFKit/PSPDFKit.h> // -- or -- PSPDFKit.framework (binary)

// Create the PSPDFDocument. (container for one or multipe pdfs)
NSURL *documentURL = [[NSBundle.mainBundle.resourceURL]
URLByAppendingPathComponent:@"Sample.pdf"];
PSPDFDocument *document = [PSPDFDocument documentWithURL:documentURL];

// Open view controller. Embed into an UINavigationController to enable the toolbar.
PSPDFViewController *pdfController = [[PSPDFViewController alloc]
initWithDocument:document];
UINavigationController *navController = [[UINavigationController alloc]
initWithRootViewController:pdfController];
[self presentViewController:navController animated:YES completion:NULL];
```

This and many more examples can be found in PSPDFCatalog. Note that while PSPDFDocument accepts a NSURL, only *local* PDF documents are supported. If you need to download them, look at the Kiosk example within PSPDFCatalog for some great example code.
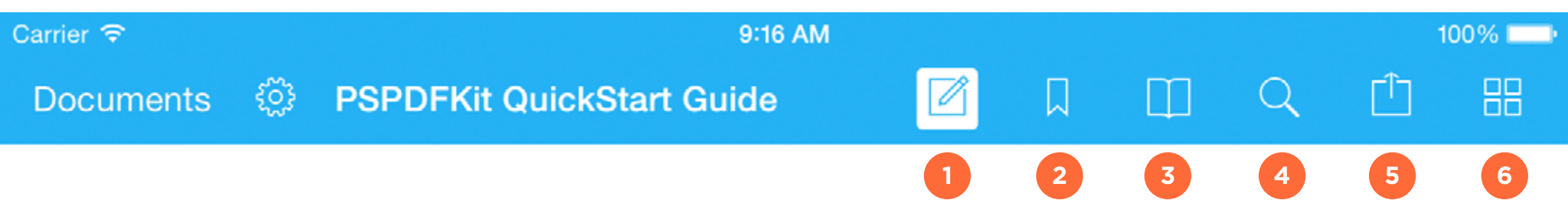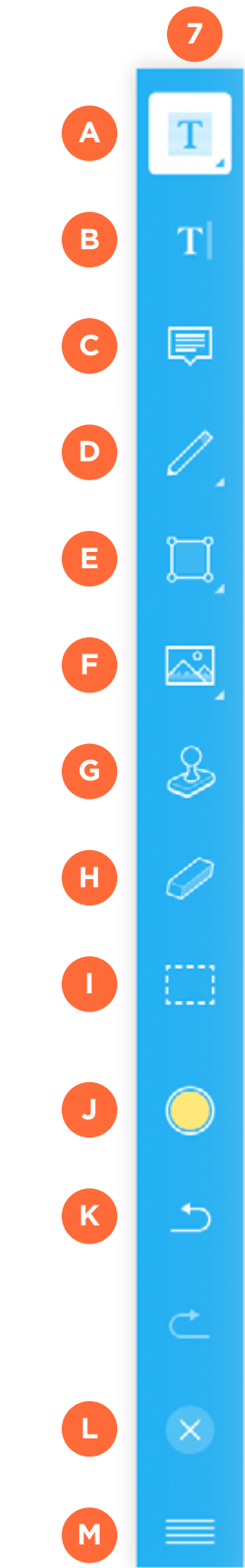
First Example - Result

FIG. 4: PSPDFKit running in the iOS Simulator, with a sample PDF loaded

Once you've got PSPDFKit up and running, you can familiarize yourself with the multitude of tools for managing and working with PDFs that PSPDFKit offers you. The following page shows you a quick overview of some of the most commonly used features.

1 Annotation Button: opens up the Annotation Toolbar

2 Bookmark Button

3 Outline Button: To show all annotations and bookmarks in the documents or, if available, the table of contents

4 Search Button

5 Open In Button: possibilities to share the document via AirDrop or Mail, open the document in another app, print the document, ...

6 Thumbnails Button: Opens up the Thumbnails View

7 Annotation Toolbar: contains tools for adding and managing different annotations

A Highlight-, Underline-, Squiggly-, Strikeout Annotation

B Free Text Annotation   *Free Text*

C Note Annotation

D Ink- and Signature Annotation

E Rectangle-, Ellipse- Line-, Polygon- Polyline Annotation

F Image-, Audio Annotation

G Stamp Annotation: Stamps and Saved Annotations

H String Eraser

I String Selection

J Color Chooser

K Undo & redo

L Close the Annotation Toolbar

M Move the Annotation Toolbar

FIG. 6
The PSPDFKit
Annotation
Toolbar

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The Thumbnails View you see below gives your users an overview of either all, only the annotated or only the bookmarked pages:
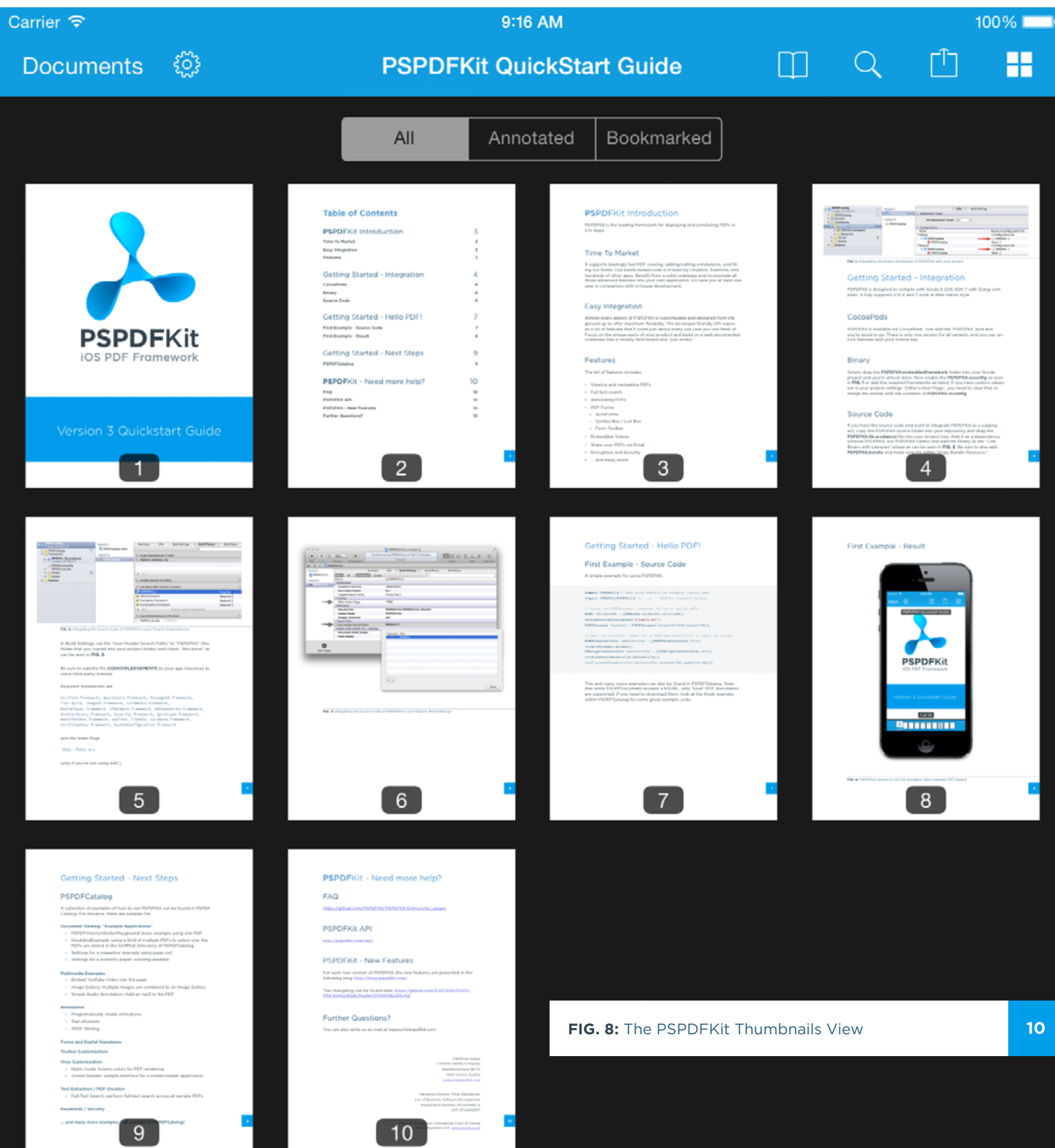
Getting Started - Next Steps

PSPDFCatalog

A collection of examples of how to use PSPDFKit can be found in PSPDF-Catalog. For instance, there are samples for:

Document Viewing: "Example Applications"

- PSPDFViewControllerPlayground: basic example using one PDF
- KioskGridExample: using a grid of multiple PDFs to select one; the PDFs are stored in the SAMPLE-Directory of PSPDFCatalog
- Settings for a magazine: example using page curl
- Settings for a scientific paper: scrolling enabled

Multimedia Examples

- Embed YouTube Video into the page
- Image Gallery: multiple images are combined to an Image Gallery
- Simple Audio Annotation: Add an mp3 to the PDF

Annotation

- Programmatically create annotations
- Sign all pages
- XFDF Writing

Forms and Digital Signatures

Toolbar Customization

View Customization

- Night mode: Inverts colors for PDF rendering
- Screen Reader: sample-interface for a screen-reader application

Text Extraction / PDF Creation

- Full-Text Search: perform full-text search across all sample PDFs

Passwords / Security

... and many more examples - all availabe in PSPDFCatalog!

PSPDFKit - Need more help?

FAQ

http://pspdfkit.com/faq.html

PSPDFKit API

http://pspdfkit.com/api/

PSPDFKit - New Features

For each new version of PSPDFKit, the new features are presented in the following blog: http://blog.pspdfkit.com/

The changelog can be found here: http://pspdfkit.com/changelog.html

Further Questions?

You can also write us an email at support@pspdfkit.com

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