

QUICKSTART GUIDE

PSPDFKit

10 for iOS



INTRODUCTION

Welcome Aboard

It's great to have you here! We can't wait for you to discover all the things possible with our SDK. Our primary focus is you, the developer, and how we can assist you in building incredible experiences.

Below you'll see a breakdown of all the products we offer and what they're capable of – from viewing, enabling markup, and helping your users collaborate, to support for more advanced PDF features and different file types.

Come discover why we're the most widely used commercial PDF SDK on iOS. And always remember: We're here to help!

				
VIEWING	MARKUP	COLLABORATION	ADVANCED	FILE TYPES
Viewer	Annotations	Instant	Redaction	Image Documents
Indexed Search	Form Filling	Replies	Comparison	Office Files
Form Viewing	Ink Signatures		OCR	
Reader View	Digital Signatures			
	Document Editor			

PRODUCTS

View Documents

Our goal: the best document viewing and reading experience for your users.

Introduction:
The Cosmic Context for Life

By Andrew Fraknoi, David Morrison,
Sidney C. Wolff

We saw that the universe was born in the Big Bang about 14 billion years ago. After the initial hot, dense fireball of creation cooled sufficiently for atoms to exist, all matter consisted of hydrogen and helium (with a very small amount of lithium). As the universe aged, processes within stars created the other elements, including those that make up Earth (such as iron, silicon, magnesium, oxygen, and those required for life as we know it, such as carbon, oxygen, and nitrogen). These and other elements combined in space to produce a wide variety of molecules that form the basis of life as we know it. The presence of a key unit known as an organic molecule—a molecule that contains carbon, especially important are the hydrocarbons, chemical compounds containing only carbon and hydrogen, carbon, which serve as the basis for our biological chemistry, or biochemistry.

While we do not understand the details of how life on Earth began, it is clear that to make creatures like us possible, events like the ones we described must have occurred, resulting in what is called the chemical evolution of the universe.

What Made Earth Hospitable to Life?

About 5 billion years ago, a cloud of gas and dust in this cosmic neighborhood began to collapse under its own weight. Out of this cloud formed the Sun and its planets, together with the other stars and galaxies in the neighborhood. Some, such as our Sun, that also orbit the Sun. The third planet from the Sun, as it cooled, eventually allowed the formation of large quantities of liquid water on its surface.

The chemical variety and moderate conditions on Earth eventually led to the formation of molecules that could make copies of themselves (reproduction), which is essential for life. Over the billion of years of Earth's history, life evolved

ASTRONOMY TODAY

9:41

Documents Supermassive Black Holes

ASTRONOMY TODAY

9:41

The Big Bang: The Cosmic Context for Life

Authors

Andrew Fraknoi, David Morrison, Sidney C. Wolff

We saw that the universe was born in the Big Bang about 14 billion years ago. After the initial hot, dense fireball of creation cooled sufficiently for atoms to exist, all matter consisted of *hydrogen* and *helium* (with a very small amount of *lithium*). As the universe aged, processes within stars created the other elements, including those that make up Earth (such as *iron*, *silicon*, *magnesium*, and *oxygen*) and those required for life as we know it, such as *carbon*, *oxygen*, and *nitrogen*. These and other elements combined in



Viewer

Our Viewer is easy to use and offers quick document navigation and rendering, including the ability to incorporate multimedia content.



Indexed Search

Enables your users to search across multiple documents, languages, and encoding types with near-instant results.



Form Viewing

Access the values of objects in filled-out PDF AcroForms for additional processing.



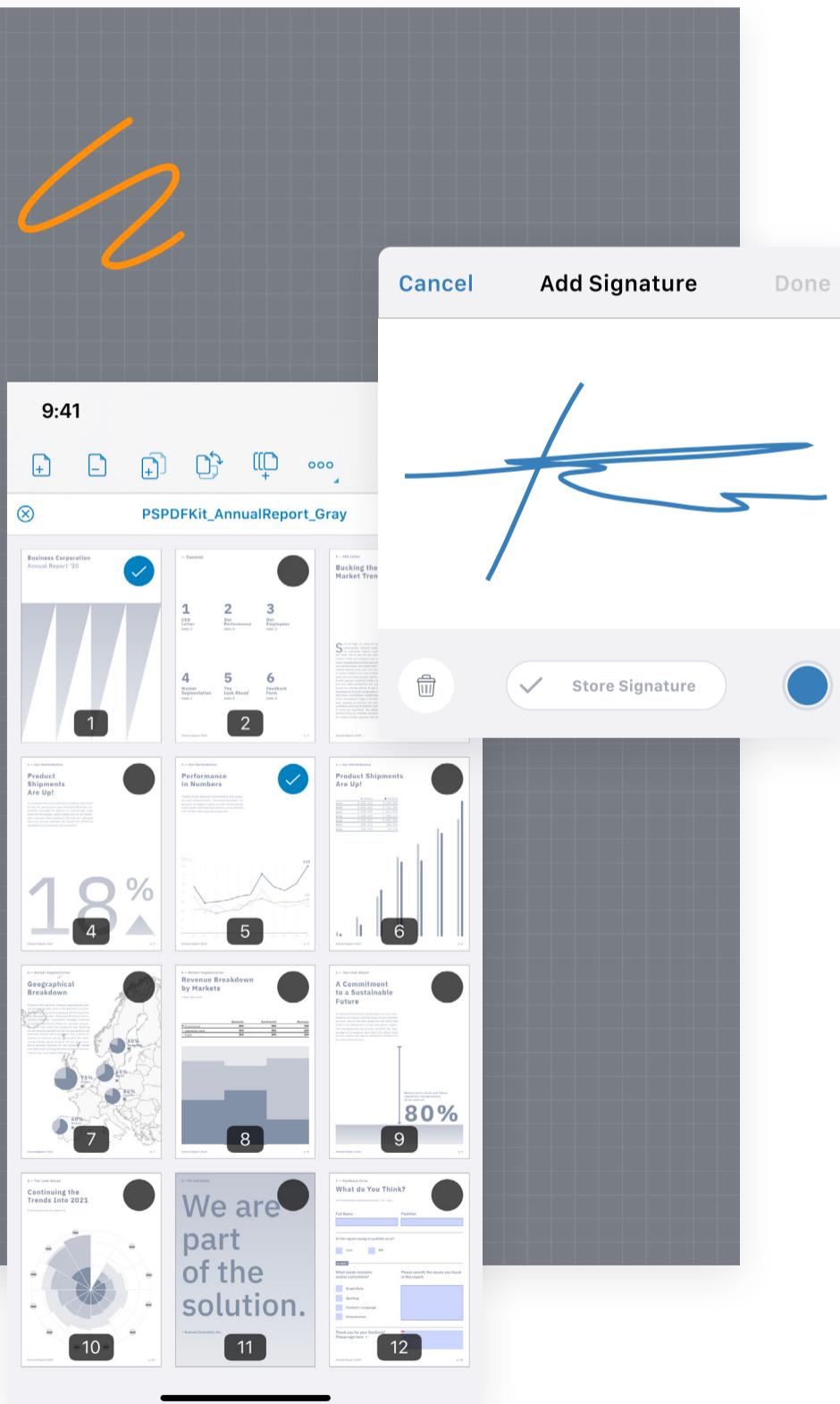
Reader View

No more zooming or swiping around when trying to read a PDF document. Reader View puts content front and center in a simple and elegant format.

PRODUCTS

Enable Markup

Provide a true paper replacement with our document annotation and editing tools.



Annotations

PSPDFKit for iOS supports all common annotation types and comes with an intuitive style controller your users will love.



Ink Signatures

Use a fingertip, Apple Pencil, or a mouse to add hand-drawn signatures to documents.



Digital Signatures

Users can sign documents using a personal certificate, allowing instant identity verification by your app.



Document Editor

Unlock features like page creation, duplication, reordering, rotation, and deletion for your users.



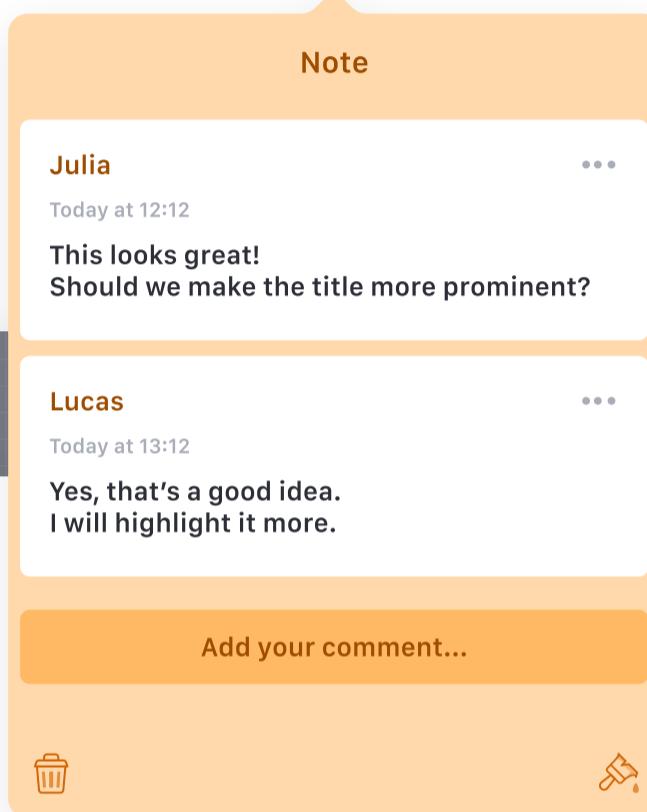
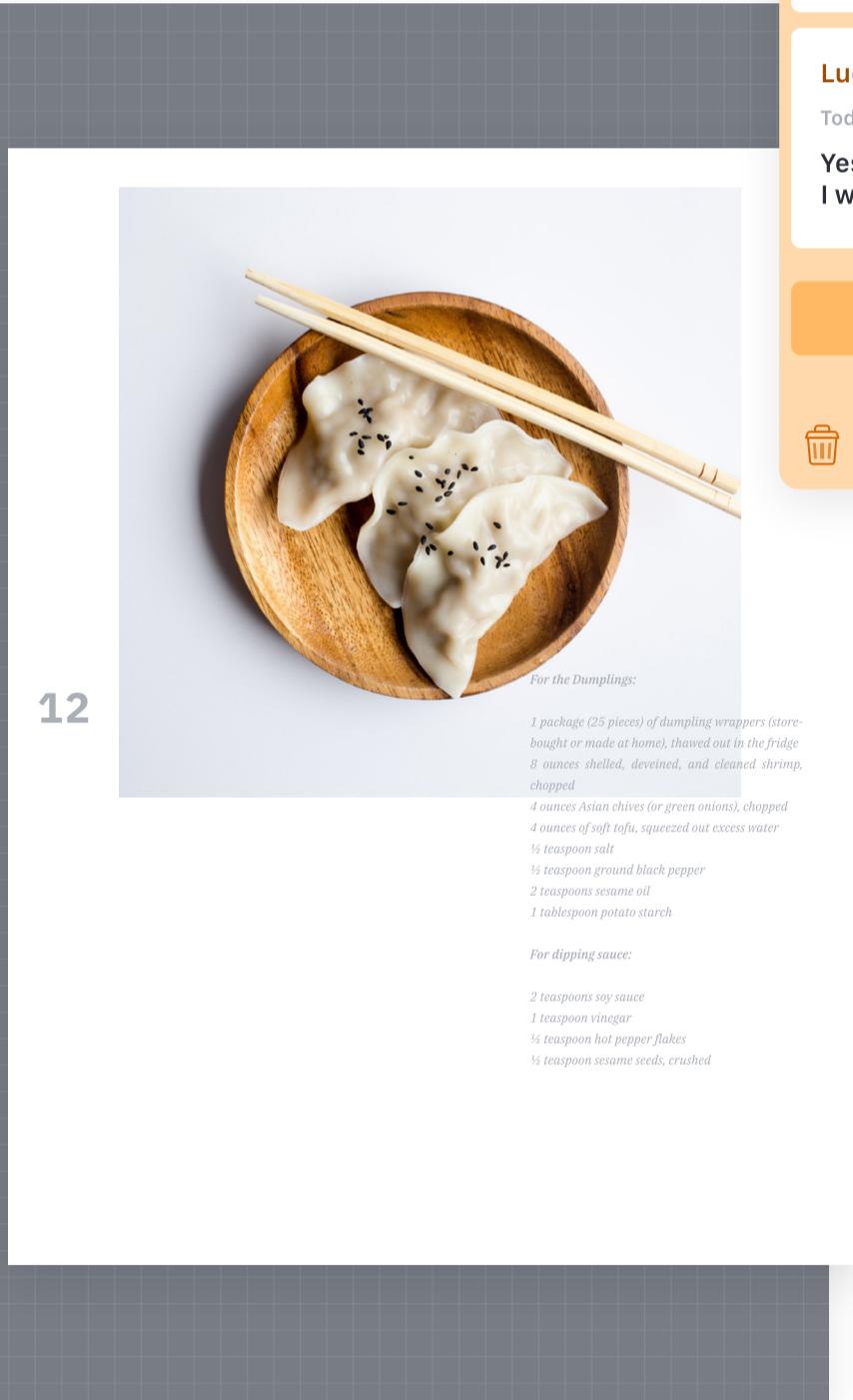
Form Filling

By supporting PDF AcroForms, the most commonly used form standard, your users can fill out forms with ease and save their changes in a document or submit them to a server.

PRODUCTS

Empower Collaboration

Turbocharge the collaboration experience for your users with integrated productivity tools and document syncing.



Instant

Deploy effortless multi-user data synchronization that enables real-time collaboration, offline support, and data security in your apps.



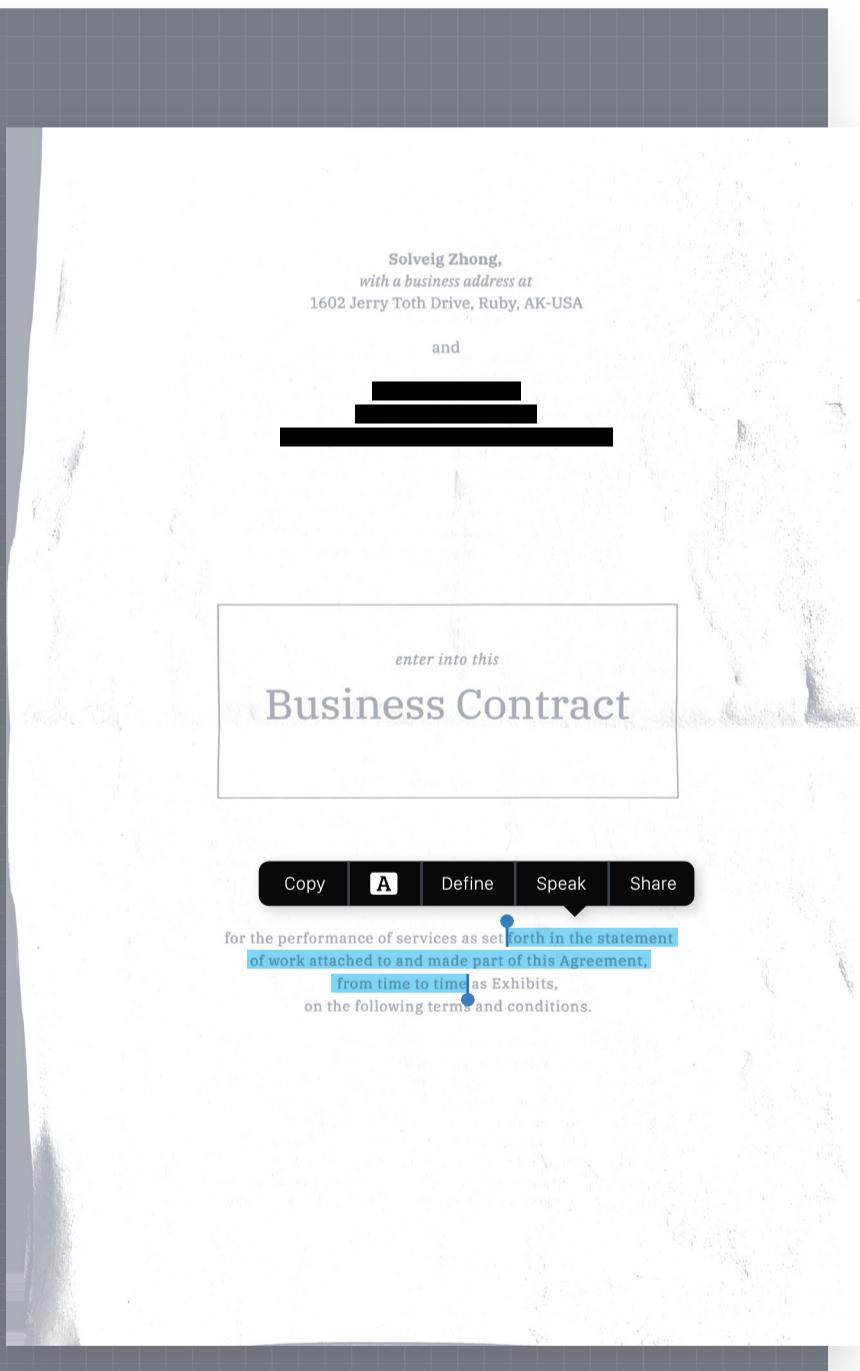
Replies

Make it easier for your users to start conversations right where they matter, without the need for external tools.

PRODUCTS

Advanced Tools

Not all PDFs are created equal – this is where our advanced document tools come into play.



Redaction

Enable your users to securely and irrecoverably remove sensitive text and image content from PDFs.



Comparison

Recolor and overlay PDF pages with different blend modes – perfect for showcasing changes to the graphic elements of a page!



OCR

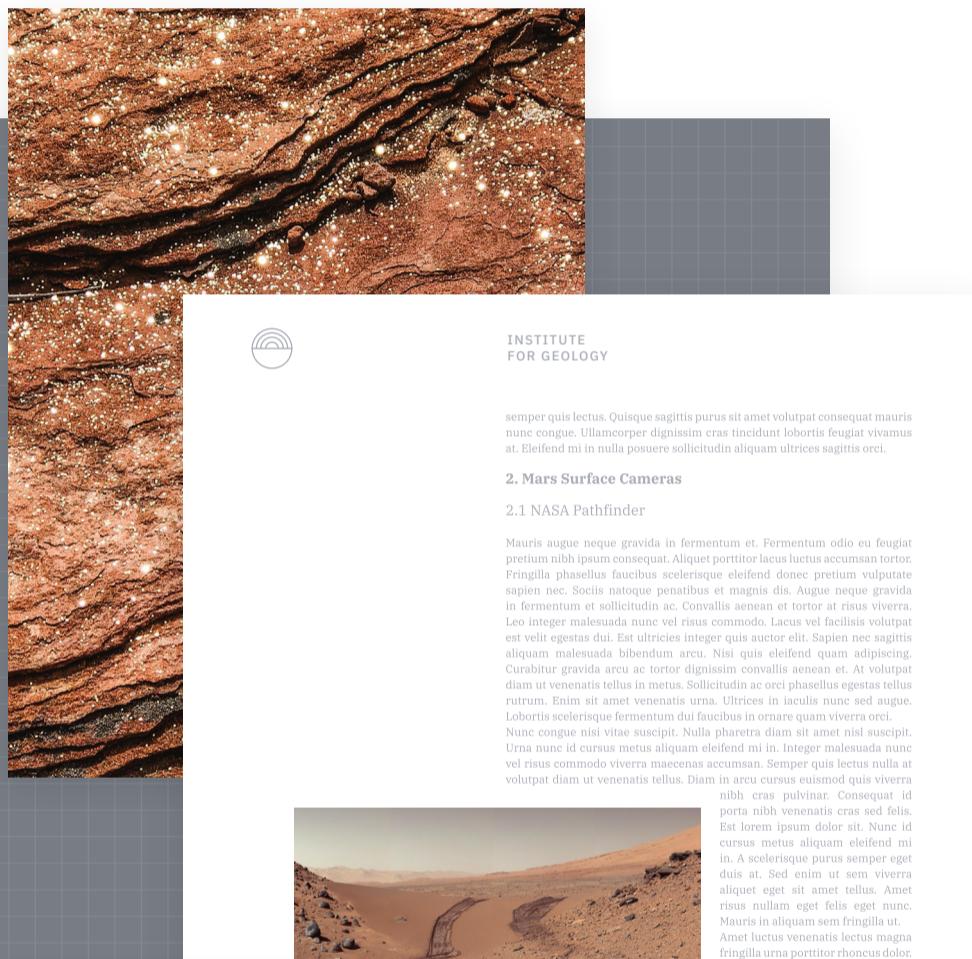
Our Optical Character Recognition processor enhances raster and vector PDFs to give you interactive text, unlocking the full suite of PDF tools available.

The work to be performed by Provider under this Business Contract ("Services") shall be as set forth in Provider's Statements of Work. Provider will exercise its best efforts to complete the Services in a professional and diligent manner, on the schedule and at the price stated in each Statement of Work. Provider shall supply, at Provider's sole expense, all necessary off-site equipment, tools, materials, and/or supplies, if any, to perform the Services. If Client provides any equipment, tools and/or materials, it will be used exclusively for Client related projects and it will be returned at the conclusion of the work described in this Agreement. No subcontractors or consultants shall be engaged to carry out any part of the

PRODUCTS

Support Additional File Types

Extend the list of documents supported by our tools beyond PDFs.



The most visited art museums in the world

Source: Wikipedia

Rank	Name	City	Visitors 2018
1	Musée du Louvre	Paris	10,200,000
2	National Museum of China	Beijing	8,610,092
3	Metropolitan Museum of Art	New York City	6,953,927
4	Vatican Museums	Vatican City	6,756,186
5	Tate Modern	London	5,868,562
6	British Museum	London	5,820,000
7	National Gallery	London	5,735,831
8	National Gallery of Art	Washington, D.C.	4,404,212
9	State Hermitage Museum	Saint Petersburg	4,220,000
10	Victoria and Albert Museum	London	3,967,566
11	Reina Sofia	Madrid	3,898,309
12	National Palace Museum	Taipei	3,860,644
13	Museo del Prado	Madrid	3,672,853
14	Musée National d'Art Moderne (Centre Pompidou)	Paris	3,551,544
15	National Museum of Korea	Seoul	3,304,453
16	Musée d'Orsay	Paris	3,286,224
17	Somerset House	London	3,143,026
18	Moscow Kremlin Museums	Moscow	2,867,295
19	Tokyo Metropolitan Art Museum	Tokyo	2,787,770
20	Museum of Modern Art	New York City	2,774,103
21	The National Art Center, Tokyo	Tokyo	2,717,565
22	National Gallery of Victoria	Melbourne	2,565,474

face exploration in past, present, and future 3



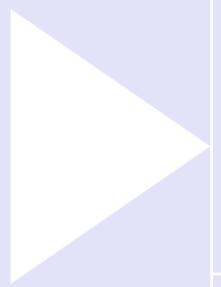
Image Documents

Collaborate on images as you would with PDFs by annotating, editing, and sharing in a non-destructive way.



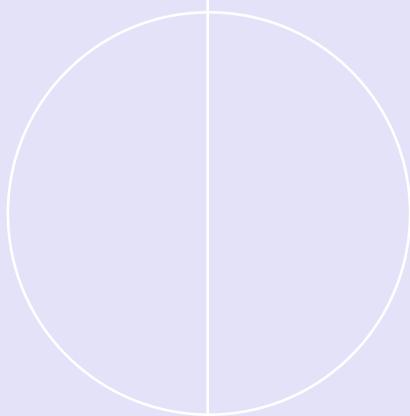
Office Files

Let your users open Office files as PDF documents and make use of all our supported tools.



PART ONE

Getting Started



Integration

PSPDFKit 10 for iOS is designed for Xcode 12+ (SDK 14+).



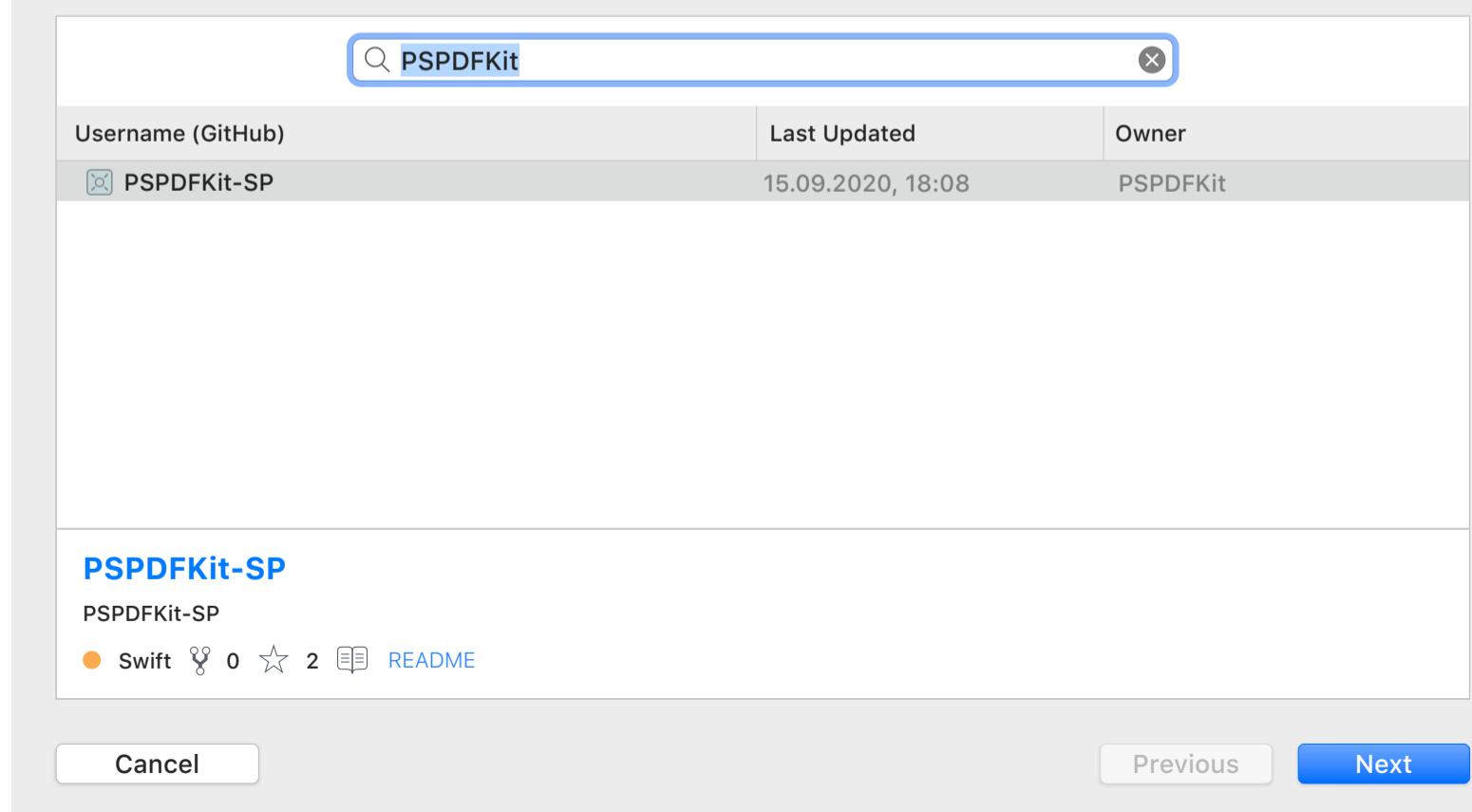
Swift Package Manager

The simplest way to use PSPDFKit is with Swift Package Manager.

We provide a URL to the public package repository that you can add in Xcode:

<https://github.com/PSPDFKit/PSPDFKit-SP>

Choose Package Repository:



The screenshot shows the 'Choose Package Repository' dialog in Xcode. At the top, there is a search bar with the text 'PSPDFKit'. Below the search bar is a table with three columns: 'Username (GitHub)', 'Last Updated', and 'Owner'. A row for 'PSPDFKit-SP' is selected, showing the details: 'PSPDFKit-SP' in the first column, '15.09.2020, 18:08' in the second, and 'PSPDFKit' in the third. Below the table, there is a summary section for 'PSPDFKit-SP' with the text 'PSPDFKit-SP' and 'PSPDFKit-SP'. It also shows the programming language 'Swift' and other metrics like 0 forks and 2 stars. At the bottom of the dialog are three buttons: 'Cancel', 'Previous', and 'Next'.



CocoaPods

We provide a public URL to the [podspec](#) so you can integrate [PSPDFKit](#) with minimal effort, either by always getting the latest stable release or by pinning to a specific version.

For the stable release, use the following:

```
pod 'PSPDFKit'  
podspec: 'https://customers.pspdfkit.com/pspdfkit-ios/latest.podspec'
```

Or, alternatively, use a specific version (e.g. 10.0.0):

```
pod 'PSPDFKit'  
podspec: 'https://customers.pspdfkit.com/pspdfkit-ios/10.0.0.podspec'
```



Carthage

PSPDFKit is also available via Carthage. You can find your public URL in the Use Carthage tab when downloading PSPDFKit in the Customer Portal.

To always use the latest available version, add this to your [Cartfile](#):

```
binary "https://customers.pspdfkit.com/pspdfkit-ios.json" >= 10.0
```

Manual Integration

For information on how to manually integrate PSPDFKit, see our [Integrating PSPDFKit](#) guide.

GETTING STARTED

Swift

Here's a simple example for using PSPDFKit, first in Swift:



```
import PSPDFKit
import PSPDFKitUI

// Create a `Document`.
// This is the container for your PDF file.
let documentURL = Bundle.main.url(forResource: "Document",
withExtension: "pdf")!
let document = Document(url: documentURL)

// Providing `PDFConfiguration` is optional and allows further
// customization.
let configuration = PDFConfiguration { builder in
    builder.thumbnailBarMode = .scrollable
}

// Create a `PDFViewController`. This will present and manage the
// PSPDFKit UI.
let pdfController = PDFViewController(document: document,
configuration: configuration)

// Present the `PDFViewController` within a `UINavigationController`
// to enable the toolbar.
present(UINavigationController(rootViewController: pdfController),
animated: true)
```



Examples

This example and more can be found in the **Examples** folder of the PSPDFKit download package.

Objective-C

Let's use the same example as before, but this time with Objective-C:

[OBJ-C]

```
@import PSPDFKit;
@import PSPDFKitUI;

// Create a `PSPDFDocument`.
// This is the container for your PDF file.
NSURL *documentURL = [NSBundle.mainBundle URLForResource:@"Document"
withExtension:@"pdf"];
PSPDFDocument *document = [[PSPDFDocument alloc]
initWithURL:documentURL];

// Create a `PSPDFViewController`. This will present and manage the
// PSPDFKit UI.
// Providing `PSPDFConfiguration` is optional and allows further
// customization.
PSPDFViewController *pdfController = [[PSPDFViewController
alloc] initWithDocument:document configuration:[PSPDFConfiguration
configurationWithBuilder:^(PSPDFConfigurationBuilder *builder) {
    builder.thumbnailBarMode = PSPDFThumbnailBarModeScrollable;
}]];
// Present the `PSPDFViewController` within a `UINavigationController`
// to enable the toolbar.
UINavigationController *navController = [[UINavigationController
alloc] initWithRootViewController:pdfController];
[self presentViewController:navController animated:YES
completion:NULL];
```

GETTING STARTED

Want More Help?



Support

Support requests are handled directly by the engineers who built the product.

[Submit support ticket](#)



Sales

Please contact our sales team with questions related to licensing and sales.

[Contact sales](#)

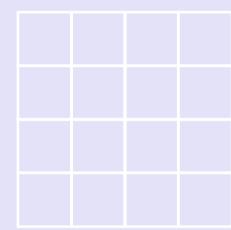


Blog

We detail the changes and improvements for each version of PSPDFKit in our blog.

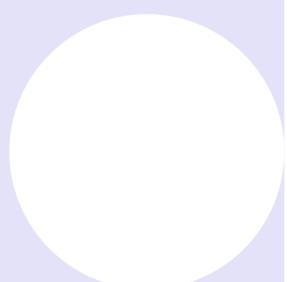
[Visit our blog](#)

Developers Portal



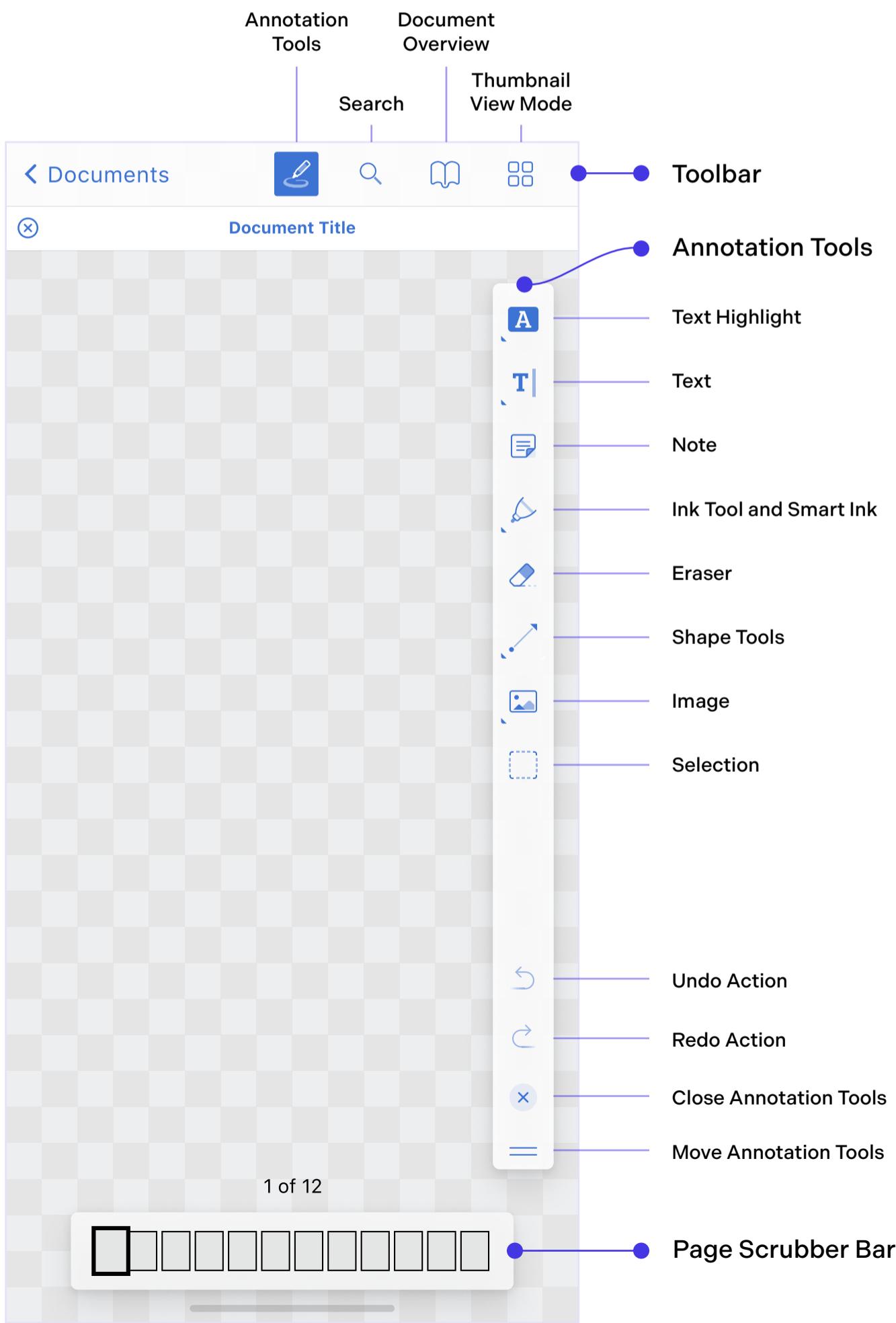
PART TWO

Playground



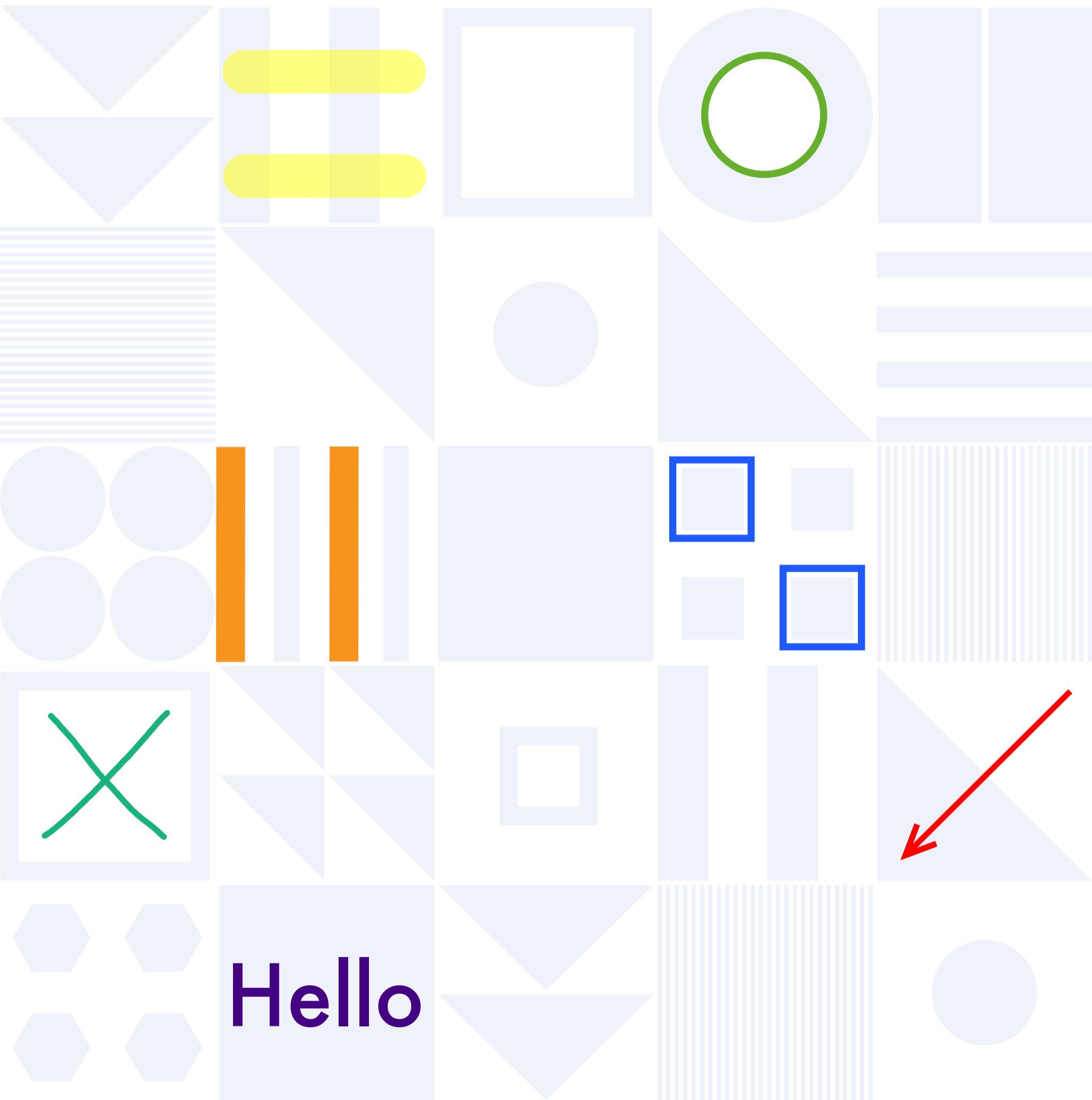
A Quick Overview of Our UI

PSPDFKit is designed to offer an immersive document reading mode while still providing quick access to tools and settings.



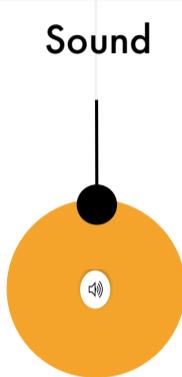
PLAYGROUND

Try Some Annotation Drawing Tools

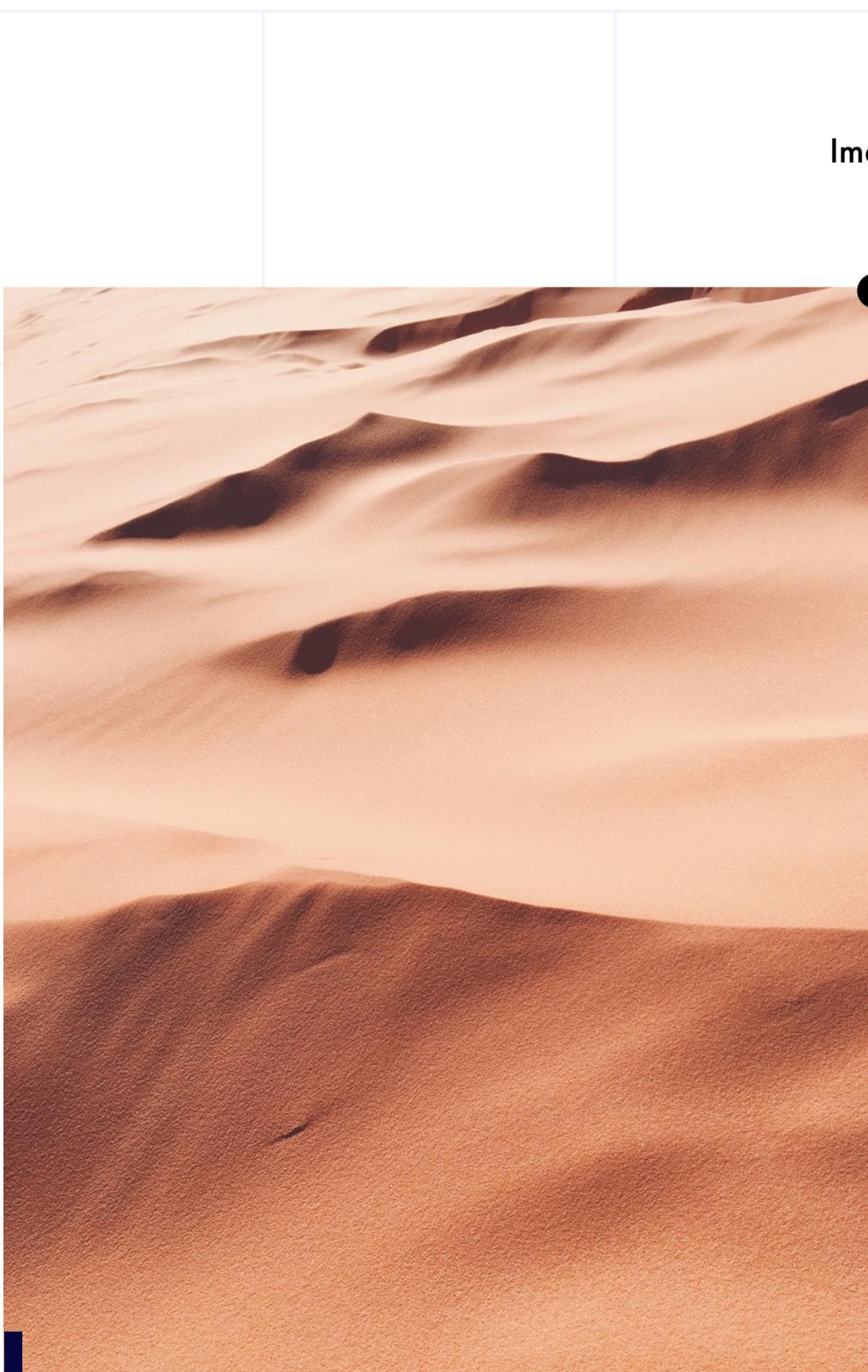


PLAYGROUND

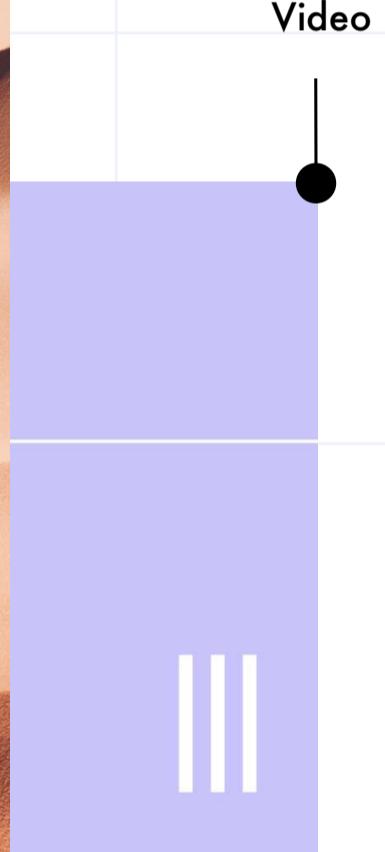
Additional Annotation Types



Sound



Image



Video



Note

Hello



Text

PDF Forms

Information

First name

Last name

Try out a multiline form field

Sign here, please:

Do you like forms?

Yes!

No!

Which form elements do you like?

Checkboxes

Radio Buttons

Text Fields

Signature Fields

Find out more about forms in our documentation



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10 for iOS

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1070 Vienna, Austria

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