

QUICKSTART GUIDE

PSPDFKit

12 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	Office Files
Indexed Search	Electronic Signatures	Instant Comments	Comparison	Image Documents
Form Viewing	Digital Signatures	Replies	OCR	
Reader View	Document Editor		Measurement Tools	
	Form Filling			

PRODUCTS

View Documents

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

The Cosmic Context for Life

ASTRONOMY TODAY

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 material bodies such as comets, 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 history, life evolved through many exciting turns, the course of evolution on Earth produced a creature with self-consciousness, able to ask questions about its place in the universe. This creature is composed of atoms that were forged in earlier generations of stars—in this case, assembled into both its body and mind. It can say that through the billions of years of evolution, life can become a complex and intelligent being.

Access for free at <https://openstax.org/books/astronomy/pag-1/introduction>

ASTRONOMY TODAY

The Big Bang: The Cosmic Context for Life

Authors

Andrew Fraknoi, David Morrison, Sidney C. Wolff

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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.



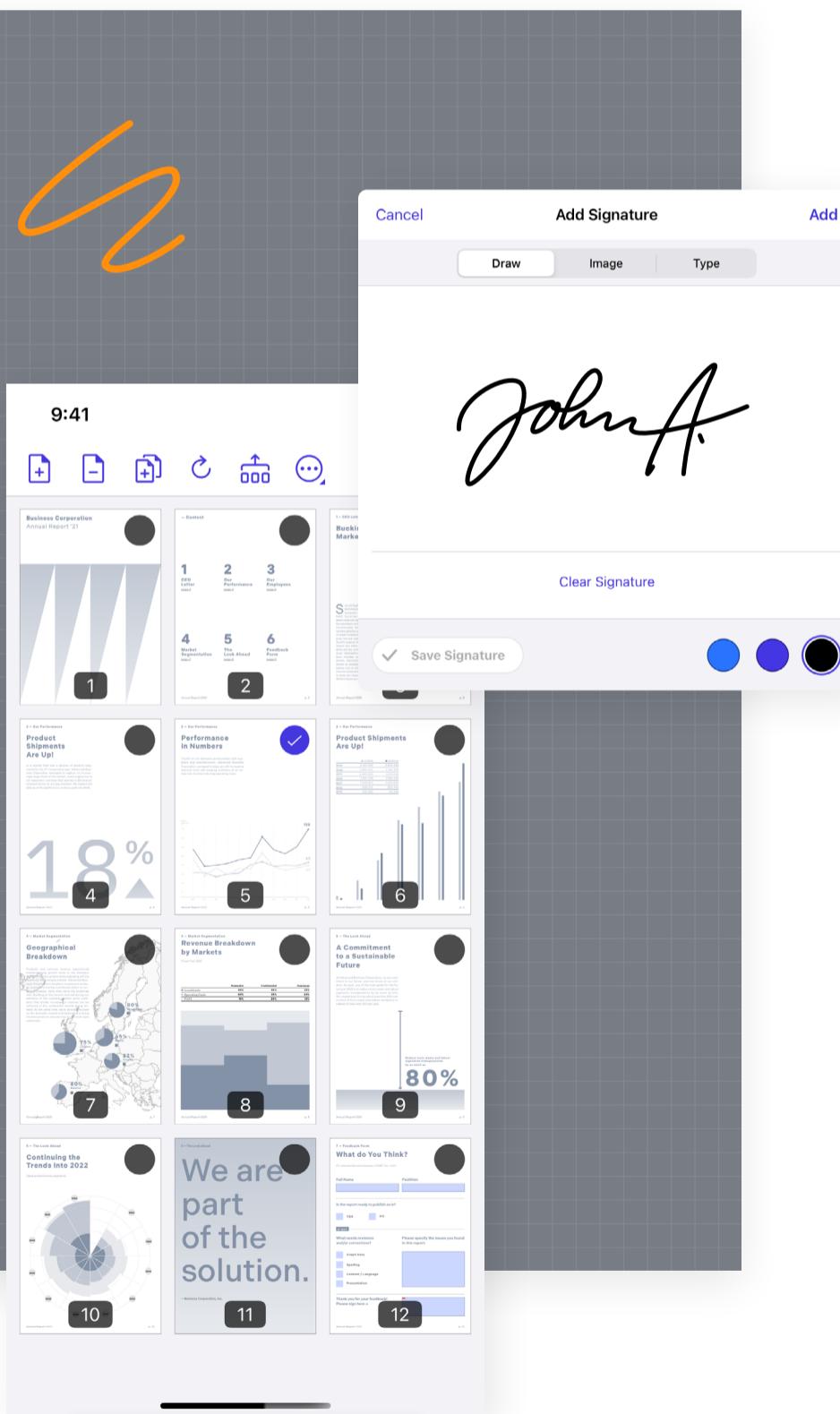
Reader View

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.



Electronic Signatures

Quickly add drawn, scanned, or typed signatures to contracts, agreements, waivers, and more.



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.



Note

Julia

...

Today at 12:12

This looks great!
Should we make the title more prominent?

Lucas

...

Today at 13:12

Yes, that's a good idea.
I will highlight it more.

Add your comment...



Instant

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



Instant Comments

Built on top of our PSPDFKit Instant technology stack, Instant Comments is the drop-in solution for adding real-time document discussions to PSPDFKit for iOS.



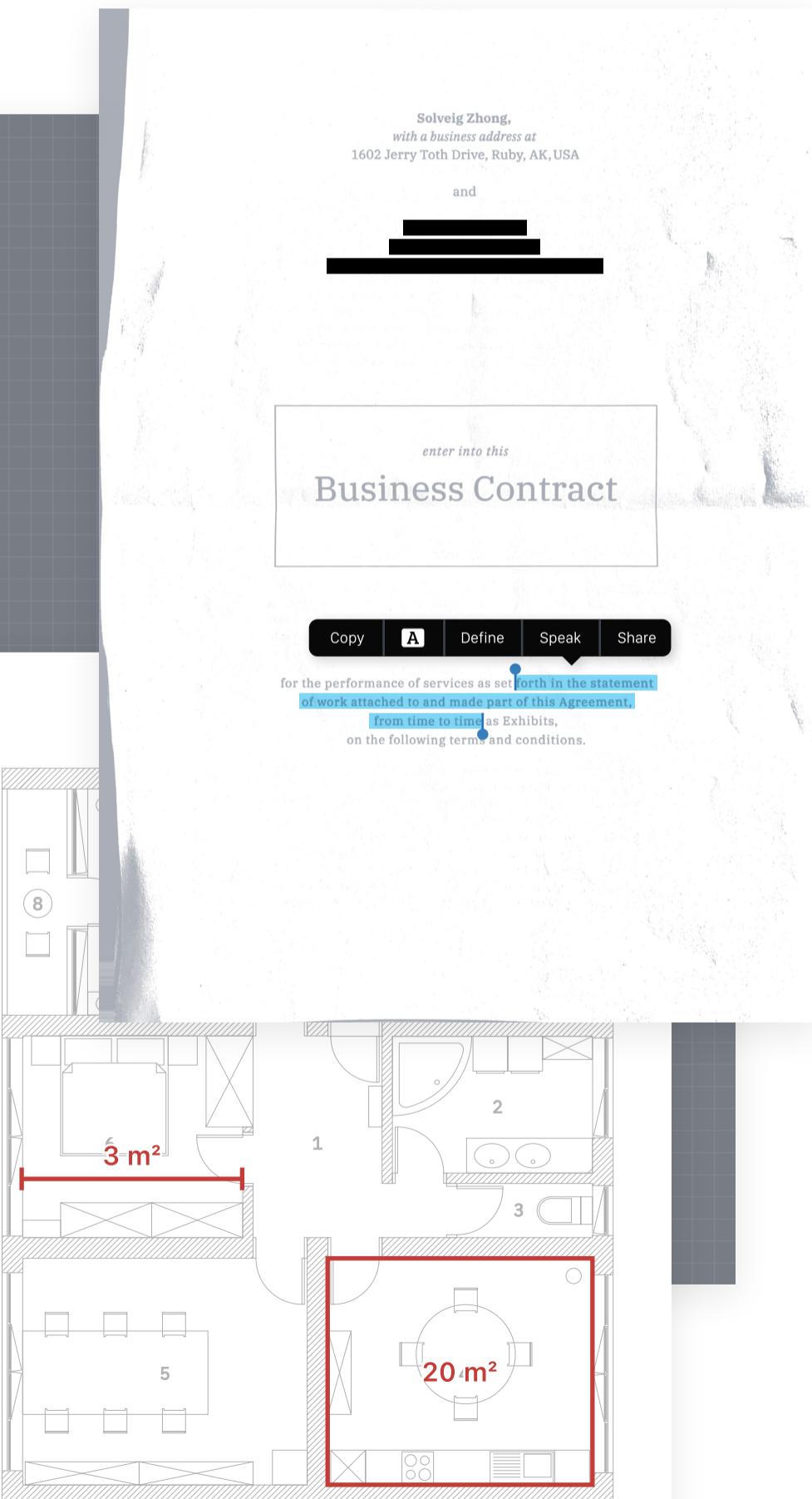
Replies

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.



Measurement Tools

Add different measuring tools to your toolbar to enable users to measure the distance, perimeter, and area of drawings on a page.

PRODUCTS

Support Additional File Types

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

The collage includes:

- A close-up image of layered geological rock formations with white mineral inclusions.
- A small logo for "INSTITUTE FOR GEOLOGY".
- A photograph of the Mars surface taken by a Mars rover, showing rocky terrain under a hazy sky.
- A table titled "The most visited art museums in the world" from Wikipedia, listing 22 museums with their rank, name, city, and visitors in 2018.

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2. Mars Surface Cameras

2.1 NASA Pathfinder

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face exploration in past, present, and future 3



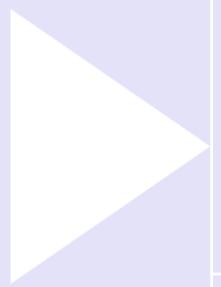
Office Files

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



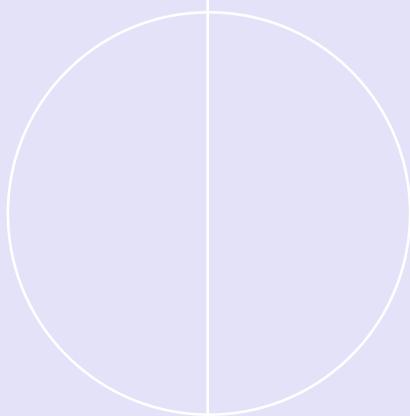
Image Documents

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



PART ONE

Getting Started



Integration

PSPDFKit 12 for iOS is designed for Xcode 14 (iOS 16 SDK).

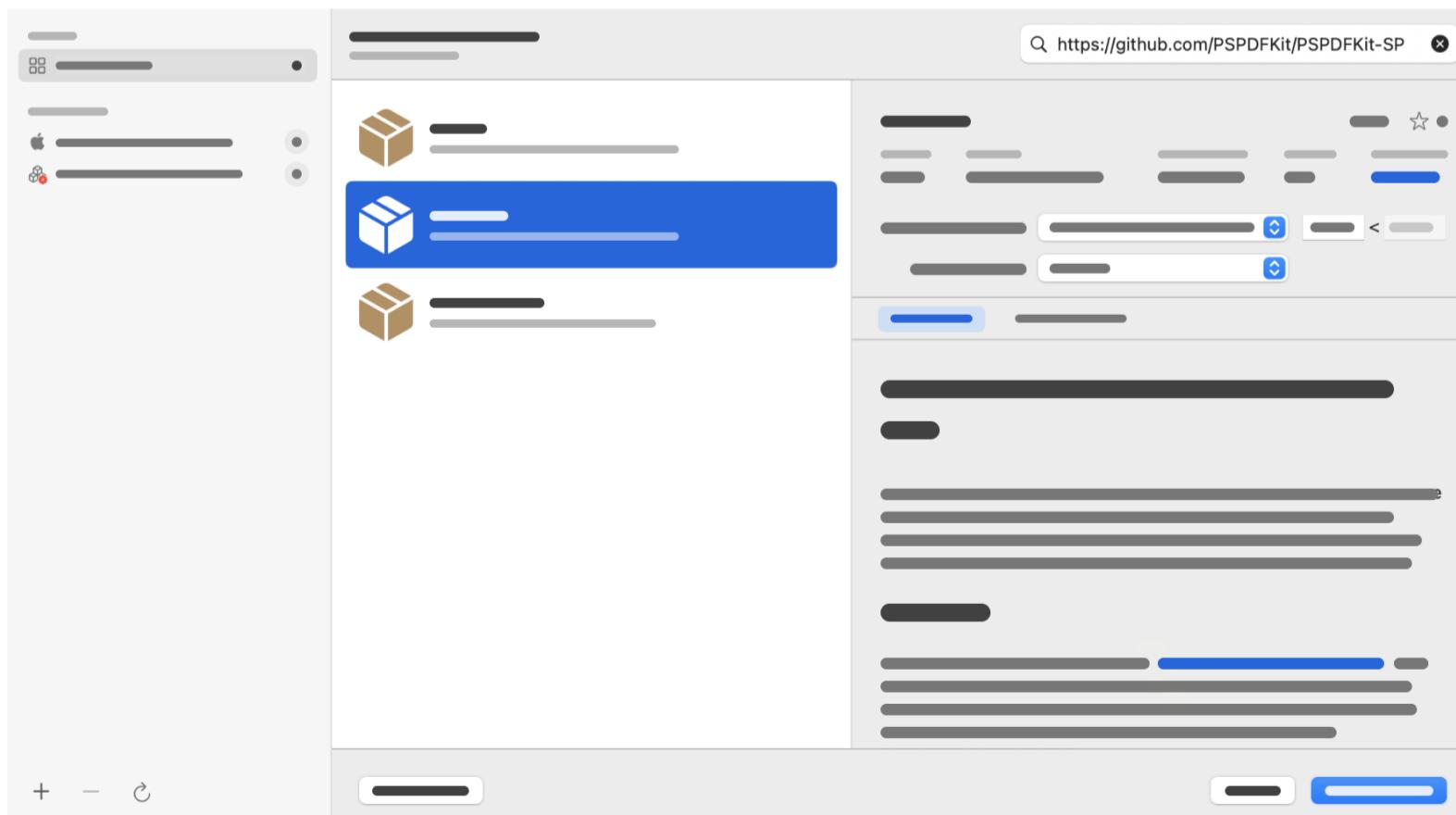


Swift Package Manager

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
```





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. 12.0.0):

```
pod 'PSPDFKit'  
podspec: 'https://customers.pspdfkit.com/pspdfkit-ios/12.0.0.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" >= 12.0
```

Manual Integration

For information on how to manually integrate PSPDFKit, see our [Getting Started](#) documentation.

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](#)

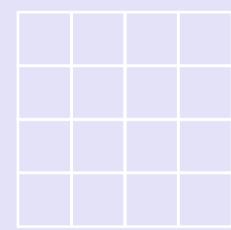


Blog

We detail the changes and improvements to each version of PSPDFKit on our blog.

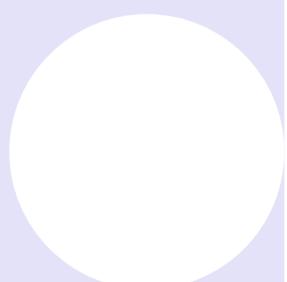
[Visit our blog](#)

Developers Portal



PART TWO

Playground

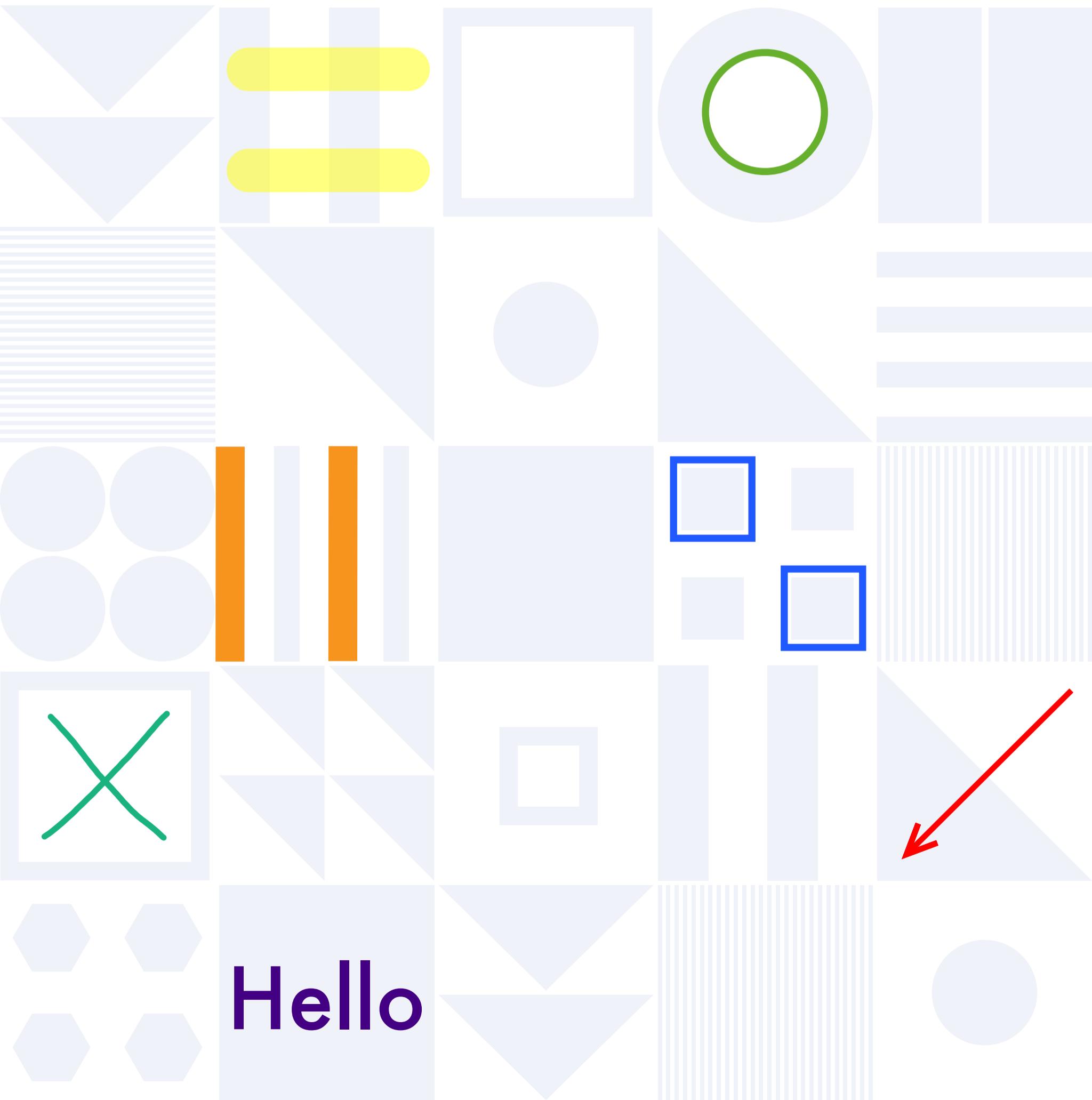


A Quick Overview of Our UI



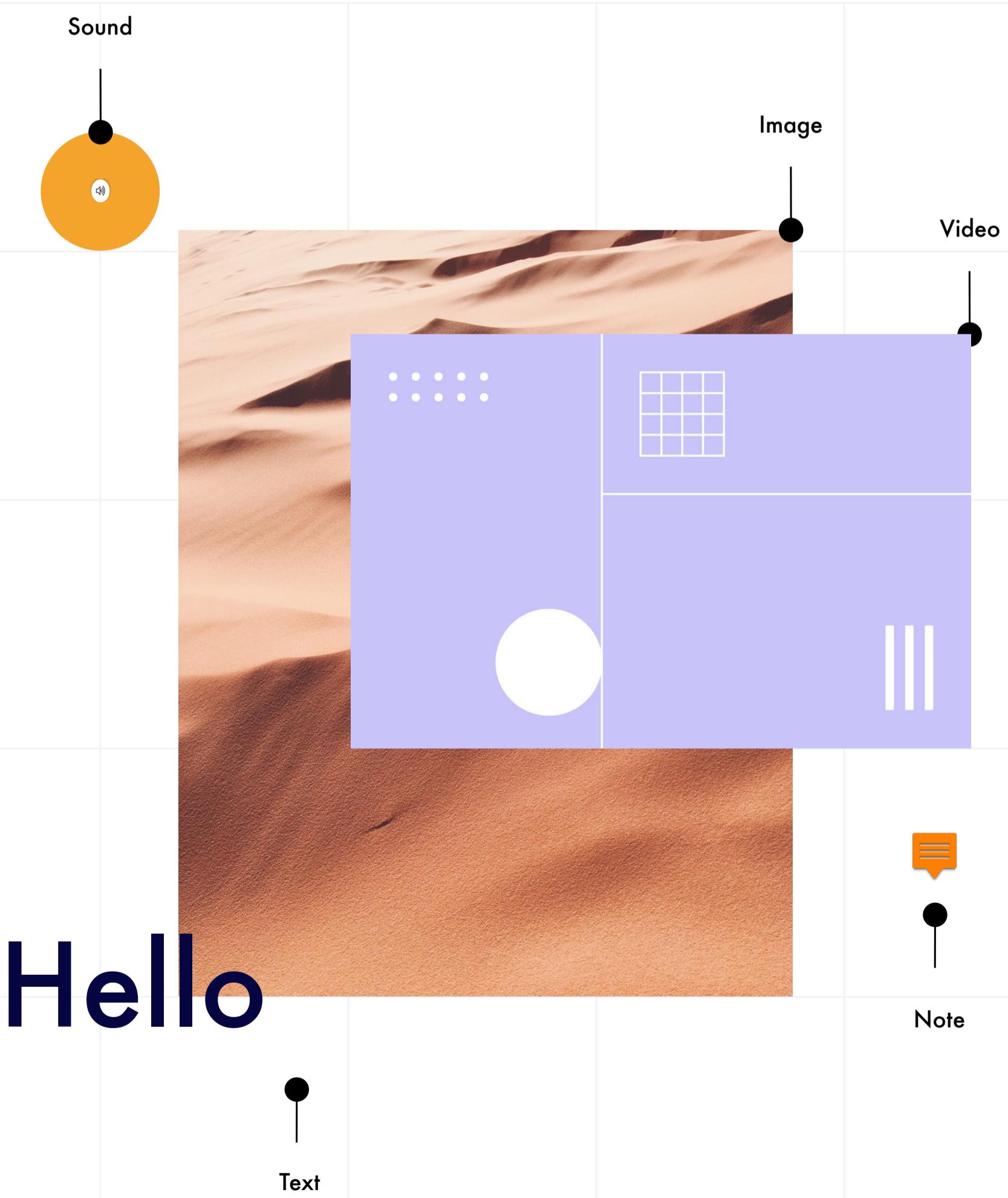
PLAYGROUND

Try Some Annotation Drawing Tools



PLAYGROUND

Additional Annotation Types



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

