

Intermediate

Core Graphics

Part 5: PDF Printing

Portable Document Format

- ⚙ Looks like a printed document
- ⚙ Independent of operating systems and hardware
- ⚙ `UIGraphicsBeginPDFContextToData(_:_:_:)`
- ⚙ `UIGraphicsBeginPDFContextToFile(_:_:_:)`

PDF Creation

```
let documentInfo:[String: String] =  
    [String(kCGPDFContextAuthor): "Razeware LLC",  
     String(kCGPDFContextTitle): "PennyWise Budget",  
     String(kCGPDFContextCreator): "Caroline"]  
  
UIGraphicsBeginPDFContextToFile(pdfPath, .zero, documentInfo)  
UIGraphicsBeginPDFPage()  
  
// ... Core Graphics drawing  
  
UIGraphicsEndPDFContext()
```

Reading PDFs

⚙ Use UIWebView!

```
if let url = documentPath() {  
    webView.loadRequest(NSURLRequest(URL: url))  
}
```


Rendering PDFs 1

```
let pdfURL = NSURL(fileReferenceLiteral: "TwoCities.pdf")
let document = CGPDFDocumentCreateWithURL(pdfURL)
let numberOfPages = CGPDFDocumentGetNumberOfPages(document)
let page = CGPDFDocumentGetPage(document, 93)
```

Rendering PDFs 2

```
let pageSize = CGSize(width: 600, height: 800)
UIGraphicsBeginImageContext(pageSize)
let context = UIGraphicsGetCurrentContext()

CGContextDrawPDFPage(context, page)

UIGraphicsEndImageContext()
```

to show that the prisoner went down with some fellow-prisoner untraced.
A singular circumstance then arose in the case. The object in hand being
together.

Mr. Attorney-General sat down, and the father and daughter sat down.
I have no remembrance of the process."

Ischnitz? But I am quite sure even to say how she had become familiar.
She had become familiar to me, when a gracious God restored me,
time when I found myself living in London with my dear daughter here
time—when I employed myself in my captivity, in making shoes, to the

"None. My mind is a blank, from some time—I cannot even say when

"Have you no remembrance of the occasion?"

"They tell me so."

"Were you newly released on the occasion in question?"

He answered, in a tone that went to every heart, "A long imprisonment."

Original



Rendering PDFs 3

```
let pageSize = CGSize(width: 600, height: 800)
UIGraphicsBeginImageContext(pageSize)
let context = UIGraphicsGetCurrentContext()

CGContextTranslateCTM(context, 0, pageSize.height)
CGContextScaleCTM(context, 1, -1)

CGContextDrawPDFPage(context, page)

UIGraphicsEndImageContext()
```



Original

He answered, in a tone that went to every heart, "A long imprisonment."

"Were you newly released on the occasion in question?"

"They tell me so."

"Have you no remembrance of the occasion?"

"None. My mind is a blank, from some time—I cannot even say what time—when I employed myself, in my captivity, in making shoes, to the time when I found myself living in London with my dear daughter here. She had become familiar to me, when a gracious God restored my faculties; but, I am quite unable even to say how she had become familiar. I have no remembrance of the process."

Mr. Attorney-General sat down, and the father and daughter sat down together.

A singular circumstance then arose in the case. The object in hand being to show that the prisoner went down, with some fellow-plotter untracked

Demo



Challenge Time!

