iOS 开发笔记——PDF 的显示和浏览

今天的任务是：在iOS上加载显示pdf文件。

方法一：利用webview

```
-(void)loadDocument:(NSString *)documentName inView:(UIWebView *)webView
{
    NSString *path = [[NSBundle mainBundle] pathForResource:documentName ofType:nil];
    NSURL *url = [NSURL fileURLWithPath:path];
    NSURLRequest *request = [NSURLRequest requestWithURL:url];
    [webView loadRequest:request];
}
```

利：1.实现简单

2.还是实现简单

弊：1.仅能浏览，拿不到任何回调，safari不会鸟任何人。

2.固定竖版拖动，想实现翻页动效果就扒瞎

下面的方法可以解决webview 显示pdf的弊，相对的，要付出一些汗水作为代价了。

方法二：利用CGContextDrawPDFPage

```
1 CGPDFDocumentRef GetPDFDocumentRef(NSString *filename)
2 {
3     CFStringRef path;
4     CFURLRef url;
5     CGPDFDocumentRef document;
6     size_t count;
7
8     path = CFStringCreateWithCString (NULL, [filename UTF8Str
      ing], kCFStringEncodingUTF8);
9     url = CFURLCreateWithFileSystemPath (NULL, path, kCFURLPO
      SIXPathStyle, 0);
10
11        CFRelease (path);
12        document = CGPDFDocumentCreateWithURL (url);
13        CFRelease(url);
14        count = CGPDFDocumentGetNumberOfPages (document);
15        if (count == 0) {
16            printf("[%s] needs at least one page!\n", [filena
      me UTF8String]);
17            return NULL;
18        } else {
19            printf("[%ld] pages loaded in this PDF!\n", count
      );
20        }
21        return document;
22    }
23
24    void DisplayPDFPage (CGContextRef myContext, size_t pag
      eNumber, NSString *filename)
25    {
26        CGPDFDocumentRef document;
27        CGPDFPageRef page;
28
29        document = GetPDFDocumentRef (filename);
30        page = CGPDFDocumentGetPage (document, pageNumber);
```

```
31        CGContextDrawPDFPage (myContext, page);
32        CGPDFDocumentRelease (document);
33    }
```

这样显示出来的pdf单页是倒立的，Quartz坐标系和UIView坐标系不一样所致，调整坐标系，使pdf正立：

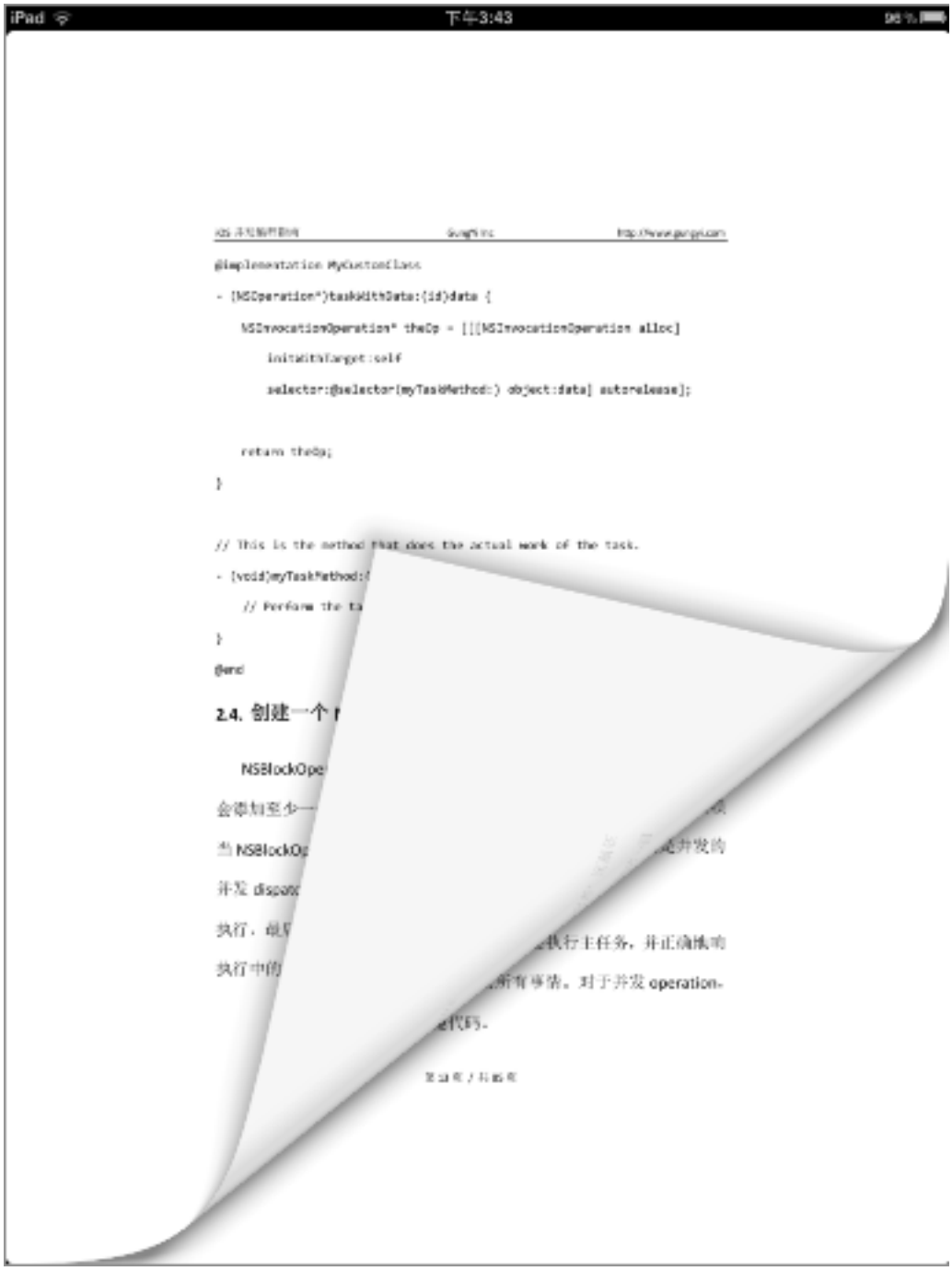
```
1 CGContextRef context = UIGraphicsGetCurrentContext();
2 CGContextTranslateCTM(context, 80, self.frame.size.height-60)
      ;
3 CGContextScaleCTM(context, 1, -1);
```

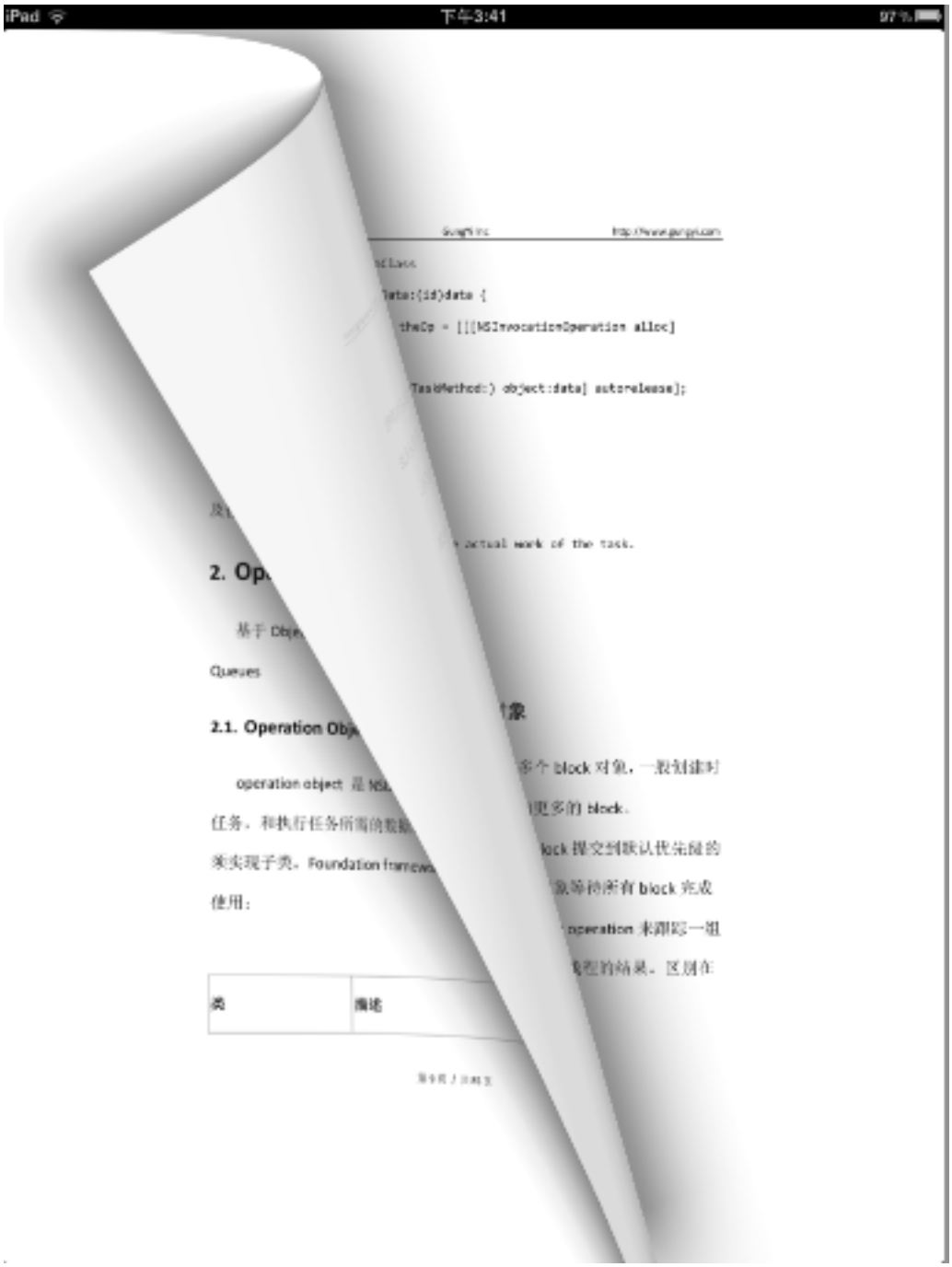
配合iOS5强大的UIPageViewController实现翻页浏览

```
1 - (PDFViewController *)viewControllerAtIndex:(NSUInteger)inde
      x
2 {
3     //Return the PDFViewController for the given index.
4     if (([self.pagePDF count] == 0 )|| (index > [self.pagePD
      F count]) ) {
5         return nil;
6     }
7
8     //Create a new view controller and pass suitable data.
9     PDFViewController *dataViewController = [[PDFViewControll
      er alloc]initWithNibName:@"PDFViewController" bundle:nil]
      ;
```

```
10      //dataViewController.pdfview = [self.pagePDF objectAt
    Index:index];
11      dataViewController.pdfview = [[PDFView alloc]initWith
    Frame:self.view.frame atPage:index];
12      [dataViewController.view addSubview:dataViewControlle
    r.pdfview];
13      NSLog(@"index = %d",index);
14      return dataViewController;
15  }
16
17  - (NSUInteger) indexOfViewController:(PDFViewController *
    )viewController
18  {
19      return [self.pagePDF indexOfObject:viewController.pd
    fview];
20  }
21
22  - (UIViewController *)pageViewController:(UIPageViewContr
    oller *)pageViewController viewControllerBeforeViewContro
    ller:(UIViewController *)viewController
23  {
24      NSUInteger index = [self indexOfViewController:(PDFVi
    ewController *)viewController];
25      if ((index == 0 ) || (index == NSNotFound)){
26          return nil;
27      }
28
29      index--;
30      return  [self viewControllerAtIndex:index];
31  }
32
33  - (UIViewController *)pageViewController:(UIPageViewContr
    oller *)pageViewController viewControllerAfterViewControl
    ler:(UIViewController *)viewController
34  {
35      NSUInteger index = [self indexOfViewController:(PDFVi
    ewController *)viewController];
36      if (index == NSNotFound)
37      {
38          return nil;
39      }
40
41      index++;
42
```

```
43          if (index == [self.pagePDF count]){
44              return  nil;
45          }
46
47          return [self viewControllerAtIndex:index];
48      }
```





后续将完成涂鸦pdf后保存创建新pdf的功能。

特别感谢 cclv 的帮助和指点。