

AnnotatePDF

1.0

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# Chapter 1

## Hierarchical Index

### 1.1 Class Hierarchy

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## Chapter 2

# Class Index

### 2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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<a href="#">APDFDetailViewController</a>	10
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## Chapter 3

# File Index

### 3.1 File List

Here is a list of all files with brief descriptions:

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AnnotatePDF/PDFPageRenderer.mm . . . . .	32
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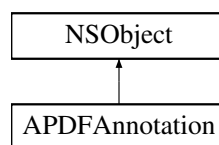
## Chapter 4

# Class Documentation

### 4.1 APDFAnnotation Class Reference

```
#import <APDFAnnotation.h>
```

Inheritance diagram for APDFAnnotation:



#### Instance Methods

- (id) - [initWithPDFDictionary:andType:](#)

#### Properties

- NSString \* [annotationType](#)
- UIFont \* [font](#)
- NSString \* [textString](#)
- [ResizableTextView](#) \* [annotationView](#)
- UIColor \* [textColor](#)
- UIColor \* [annotColor](#)
- NSTextAlignment [textAlignment](#)
- CGFloat [borderWidth](#)

#### 4.1.1 Detailed Description

A class that models an annotation with a given annotation type, and parameters that specify the annotation. For FreeText Annotations the font type, the text and the text color are specified. For Square and Highlight annotations the property a annotation color is specified instead of the text color. All Annotations hold a view that has the right size and contains the annotation. This view can be drawn into the PDF.

#### 4.1.2 Method Documentation

#### 4.1.2.1 - (id) initWithPDFDictionary: (CGPDFDictionaryRef) *annotDict* andType:(NSString\*) *type*

Initializes an [APDFAnnotation](#) with a specified PDF dictionary containing the annotation properties and a specified type

##### Parameters

<i>annotDict</i>	The CGPDFDictionaryRef containing the annotation properties
<i>type</i>	The annotation type

##### Returns

The newly initialized [APDFAnnotation](#)

### 4.1.3 Property Documentation

#### 4.1.3.1 - (NSString\*) *annotationType* [read],[write],[nonatomic],[retain]

Defines the type of the annotation. In this version only the three types: FreeText, Highlight and Square are supported

#### 4.1.3.2 - (ResizableTextView\*) *annotationView* [read],[write],[nonatomic],[retain]

The view showing the annoation. For Square and Highlight annotations there is simply no text

#### 4.1.3.3 - (UIColor\*) *annotColor* [read],[write],[nonatomic],[retain]

The color of a Square or Highlight annotation

#### 4.1.3.4 - (CGFloat) *borderWidth* [read],[write],[atomic]

The border Width of a Square or FreeText annotation. If the FreeText annotation is without border this value should be 0

#### 4.1.3.5 - (UIFont\*) *font* [read],[write],[nonatomic],[retain]

Defines the font of a FreeText annotation. If no font is defined as default font will be used [UIFont fontWithName:@"Helvetica" size:13]

#### 4.1.3.6 - (UITextAlignment) *textAlignment* [read],[write],[atomic]

The alignment of a the text in a FreeText annotation

#### 4.1.3.7 - (UIColor\*) *textColor* [read],[write],[nonatomic],[retain]

The text color of a FreeText annotation

#### 4.1.3.8 - (NSString\*) *textString* [read],[write],[nonatomic],[retain]

The text of a FreeText annotation

The documentation for this class was generated from the following files:

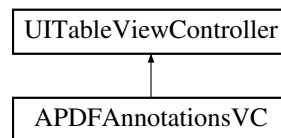


- AnnotatePDF/[APDFAnnotation.h](#)
- AnnotatePDF/[APDFAnnotation.m](#)

## 4.2 APDFAnnotationsVC Class Reference

```
#import <APDFAnnotationsVC.h>
```

Inheritance diagram for APDFAnnotationsVC:



### Instance Methods

- (id) - [initWithAnnotations:](#)

### Properties

- NSMutableArray \* [annotations](#)

### 4.2.1 Detailed Description

A View Controller displaying a list of all Annotations of the current PDF page

### 4.2.2 Method Documentation

#### 4.2.2.1 - (id) initWithAnnotations: (NSMutableArray\*) *annots*

Initializes a new View Controller with the specified annotations

#### Parameters

<i>annots</i>	The Annotations to display
---------------	----------------------------

#### Returns

The newly initialized View Controller

### 4.2.3 Property Documentation

#### 4.2.3.1 - (NSMutableArray\*) *annotations* [read], [write], [nonatomic], [retain]

A Mutable array holding the annotations of the current PDF page

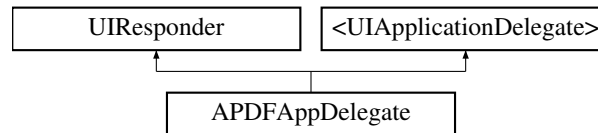
The documentation for this class was generated from the following files:

- AnnotatePDF/[APDFAnnotationsVC.h](#)
- AnnotatePDF/[APDFAnnotationsVC.m](#)

## 4.3 APDFAppDelegate Class Reference

```
#import <APDFAppDelegate.h>
```

Inheritance diagram for APDFAppDelegate:



### Properties

- UIWindow \* [window](#)

### 4.3.1 Property Documentation

4.3.1.1 - (UIWindow\*) [window](#) [read], [write], [nonatomic], [strong]

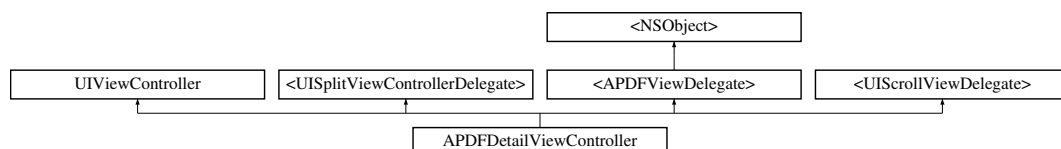
The documentation for this class was generated from the following file:

- AnnotatePDF/[APDFAppDelegate.h](#)

## 4.4 APDFDetailViewController Class Reference

```
#import <APDFDetailViewController.h>
```

Inheritance diagram for APDFDetailViewController:



### Instance Methods

- (PdfMemDocument \*) - [getDoc](#)
- (void) - [reloadAnnotationsVC](#)
- (void) - [showAnnotationsVC](#)
- (void) - [updateTitle](#)
- (IBAction) - [showNewAnnotationsVC:](#)
- (void) - [initializeNewAnnotsValues](#)

### Protected Attributes

- NSString \* [pdfPath](#)
- PdfMemDocument \* [doc](#)

## Properties

- id [detailItem](#)
- CGPDFDocumentRef [myDocumentRef](#)
- NSInteger [currentPage](#)
- NSInteger [maxPages](#)
- APDFView \* [pdfView](#)
- NSString \* [pdfName](#)
- NSString \* [temporaryFilePath](#)
- UIPopoverController \* [nAnnotsPopover](#)
- NSString \* [annotType](#)
- NSNumber \* [withBorder](#)
- NSNumber \* [borderWidth](#)
- UIColor \* [annotColor](#)

### 4.4.1 Detailed Description

The detail view controller of the split view in this iPad app. It displays the PDF file.

### 4.4.2 Method Documentation

#### 4.4.2.1 - (PdfMemDocument \*) getDoc

Returns the PoDoFo::PdfMemDocument of the current pdf file

#### Returns

The PoDoFo::PdfMemDocument of the current pdf file

#### 4.4.2.2 - (void) initializeNewAnnotsValues

Initializes the values for [annotType](#), [withBorder](#), [borderWidth](#) and [annotColor](#) to default values

#### 4.4.2.3 - (void) reloadAnnotationsVC

Reloads the master view controller showing the Annotations

#### 4.4.2.4 - (void) showAnnotationsVC

Lets the view controller with the annotations push to the master view controller

#### 4.4.2.5 - (void) showNewAnnotationsVC: (id) sender

Is performed by the action button in the navigation bar and toggles if the new annotations popover should appear or disappear. If the popover is already visible the popover gets dismissed else the new annotations view controller gets shown

#### 4.4.2.6 - (void) updateTitle

Updates the title in the navigation bar with the style: currentPdf.pdf [1/3] That means the current pdf file's name is currentPdf.pdf and currently page 1 of 3 is displayed

### 4.4.3 Member Data Documentation

4.4.3.1 - (PdfMemDocument\*) doc [protected]

A PdfMemDocument of the current PDF file

4.4.3.2 - (NSString\*) pdfPath [protected]

The filepath to the current PDF file

### 4.4.4 Property Documentation

4.4.4.1 - (UIColor\*) annotColor [read],[write],[nonatomic],[retain]

The color of the new Annotation

4.4.4.2 - (NSString\*) annotType [read],[write],[nonatomic],[retain]

The type of a new annotation

4.4.4.3 - (NSNumber\*) borderWidth [read],[write],[nonatomic],[retain]

NSNumber with double value of the borderWidth of a new annotation

4.4.4.4 - (NSInteger) currentPage [read],[write],[nonatomic],[assign]

The index of the currently displayed page

4.4.4.5 - (id) detailItem [read],[write],[nonatomic],[strong]

The PDF filepath to the current pdf file

4.4.4.6 - (NSInteger) maxPages [read],[write],[nonatomic],[assign]

The count of pages of the current pdf file

4.4.4.7 - (CGPDFDocumentRef) myDocumentRef [read],[write],[nonatomic],[assign]

The currently opened PDF file

4.4.4.8 - (UIPopoverController\*) nAnnotsPopover [read],[write],[nonatomic],[retain]

The popover that shows the new annotations view controller

4.4.4.9 - (NSString\*) pdfName [read],[write],[nonatomic],[retain]

The name of the current pdf file including its extension. This is shown in the navigation bar

4.4.4.10 - (APDFView\*) pdfView [read],[write],[nonatomic],[retain]

The [APDFView](#) that displays the current PDF page

4.4.4.11 - (NSString\*) temporaryFilePath [read],[write],[nonatomic],[retain]

The filepath of the temporary copy of the current pdf file

4.4.4.12 - (NSNumber\*) withBorder [read],[write],[nonatomic],[retain]

NSNumber with BOOL value if border is on or off for a new annotation

The documentation for this class was generated from the following files:

- AnnotatePDF/[APDFDetailViewController.h](#)
- AnnotatePDF/[APDFDetailViewController.mm](#)

## 4.5 APDFDetailViewController() Category Reference

### Instance Methods

- (void) - [configureView](#)

### Properties

- UIPopoverController \* [masterPopoverController](#)

### 4.5.1 Method Documentation

4.5.1.1 - (void) configureView

### 4.5.2 Property Documentation

4.5.2.1 - (UIPopoverController\*) masterPopoverController [read],[write],[nonatomic],[strong]

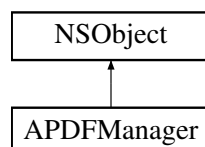
The documentation for this category was generated from the following file:

- AnnotatePDF/[APDFDetailViewController.mm](#)

## 4.6 APDFManager Class Reference

```
#import <APDFManager.h>
```

Inheritance diagram for APDFManager:



## Class Methods

- (void) + [createFreeTextAnnotationOnPage:doc:rect:borderWidth:title:content:bOpen:color:](#)
- (void) + [createSquareAnnotationOnPage:doc:rect:borderWidth:title:bOpen:color:](#)
- (void) + [deleteAnnotationWithIndex:onPage:ofDoc:](#)
- (PdfMemDocument \*) + [createPdfForFileAtPath:](#)
- (NSString \*) + [createCopyForFile:](#)
- (void) + [writePdf:toPath:withTemporaryFilePath:](#)
- (NSMutableArray \*) + [getAnnotationsArrayForPage:](#)
- (NSArray \*) + [getPdfPathsOfArray:](#)

### 4.6.1 Detailed Description

Provides class methods that are used for PDF file/annotation creation and manipulation. For the manipulation the PoDoFo library is used

### 4.6.2 Method Documentation

#### 4.6.2.1 + (NSString \*) createCopyForFile: (NSString\*) *path*

Creates a temporary file with the extension .apdf that is a copy of the PDF file at the specified filepath and returns the path to the temporary file. This is necessary to perform saving of the PDF file because PoDoFo is not able to save back to the original file.

#### Parameters

<i>path</i>	The filepath of the file to copy
-------------	----------------------------------

#### Returns

The filepath of the temporary copy

#### 4.6.2.2 + (void) createFreeTextAnnotationOnPage: (NSInteger) *pageIndex* doc:(PdfMemDocument\*) *aDoc* rect:(CGRect) *aRect* borderWidth:(double) *bWidth* title:(NSString\*) *title* content:(NSString\*) *content* bOpen:(Boolean) *bOpen* color:(UIColor\*) *color*

Creates a FreeText annotation for the specified page of a specified Document with the specified parameters and saves the annotation directly into the PDF file

#### Parameters

<i>pageIndex</i>	The index of the page in the pdf starting with 0
<i>aDoc</i>	The PoDoFo::PdfMemDocument that specifies the PDF file
<i>aRect</i>	The CGRect that defines the position and size of the annotation in the PDF file
<i>bWidth</i>	The border width of the Annotation. Has to be 0 if no border should be there
<i>title</i>	The title of the new PDF annotation
<i>content</i>	The text of the FreeText annotation
<i>bOpen</i>	Defines if the Annotation should be opened (shown) immediately
<i>color</i>	The UIColor of the Annotation. In this version only black FreeText Annotations are possible

#### 4.6.2.3 + (PdfMemDocument \*) createPdfForFileAtPath: (NSString\*) *path*

Creates a PoDoFo::PdfMemDocument for a PDF file at the specified filepath

## Parameters

<i>path</i>	The filepath of the PDF file
-------------	------------------------------

## Returns

The created PoDoFo::PdfMemDocument representing the PDF file

**4.6.2.4** + (void) createSquareAnnotationOnPage: (NSInteger) *pageIndex* doc:(PdfMemDocument\*) *aDoc* rect:(CGRect) *aRect* borderWidth:(double) *bWidth* title:(NSString\*) *title* bOpen:(Boolean) *bOpen* color:(UIColor\*) *color*

Creates a Square annotaion for the specified page of a specified Document with the specified parameters and saves the annotation directly into the PDF file

## Parameters

<i>pageIndex</i>	The index of the page in the pdf starting with 0
<i>aDoc</i>	The PoDoFo::PdfMemDocument that specifies the PDF file
<i>aRect</i>	The CGRect that defines the position and size of the annotation in the PDF file
<i>bWidth</i>	The border width of the Annotation. The Value cannot be 0 for Square annotations. If it is zero, the value will be set to 1.0 by default
<i>title</i>	The title of the new PDF annotation
<i>bOpen</i>	Defines if the Annotation should be opend (shown) immediatly
<i>color</i>	The UIColor of the Annotation

**4.6.2.5** + (void) deleteAnnotationWithIndex: (NSInteger) *annotIndex* onPage:(NSInteger) *pageIndex* ofDoc:(PdfMemDocument\*) *doc*

Deletes the Annotation at the specified index for the specified page of a specified Document. The annotation is directly deleted from the Document and the Document gets saved

## Parameters

<i>annotIndex</i>	The index of the annotation in the Annotatins Array of a Document
<i>pageIndex</i>	The index of the page in the pdf starting with 0
<i>doc</i>	The PoDoFo::PdfMemDocument that specifies the PDF file

**4.6.2.6** + (NSMutableArray \*) getAnnotationsArrayForPage: (CGPDFPageRef) *pPage*

Reads the Annotations of a specified PDF page and returns the Annotations in an Array

## Parameters

<i>pPage</i>	The reference to a PDF page
--------------	-----------------------------

## Returns

An Array that holds the Annotations of the specified PDF page

**4.6.2.7** + (NSArray \*) getPdfPathsOfArray: (NSArray\*) *paths*

Filters a path Array, so that only paths of PDF files remain

## Parameters

<i>paths</i>	The Array with several paths
--------------	------------------------------

## Returns

An Array with only paths to PDF files

#### 4.6.2.8 + (void) writePdf: (PdfMemDocument\*) aDoc toPath:(NSString\*) path withTemporaryFilePath:(NSString\*) tmpPath

Saves a specified PoDoFo::PdfMemDocument to PDF file in the shared Documents directory

## Parameters

<i>aDoc</i>	The PoDoFo::PdfMemDocument that specifies the PDF file
<i>path</i>	The path where the PDF file should be stored
<i>tmpPath</i>	The path of the temporary copy of the PDF file

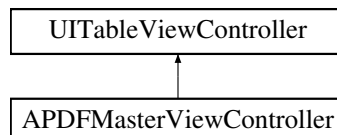
The documentation for this class was generated from the following files:

- AnnotatePDF/[APDFManager.h](#)
- AnnotatePDF/[APDFManager.mm](#)

## 4.7 APDFMasterViewController Class Reference

```
#import <APDFMasterViewController.h>
```

Inheritance diagram for APDFMasterViewController:



### Instance Methods

- (void) - [contentsChanged:](#)

### Properties

- [APPDFDetailViewController](#) \* [detailViewController](#)
- NSArray \* [pathsArray](#)
- [DocWatchHelper](#) \* [helper](#)

#### 4.7.1 Detailed Description

The master view controller of the split view in this iPad app. It shows the content of the shared Documents directory of the app and lets the user select a PDF file



## 4.7.2 Method Documentation

### 4.7.2.1 - (void) contentsChanged: (NSNotification \*) notification

Is called when the shared Documents directory changes

#### Parameters

<i>notification</i>	The notification sent by the <a href="#">DocWatchHelper</a>
---------------------	---

## 4.7.3 Property Documentation

### 4.7.3.1 - (APDFDetailViewController\*) detailViewController [read], [write], [nonatomic], [strong]

The detail view controller of the split view in this iPad app

### 4.7.3.2 - (DocWatchHelper\*) helper [read], [write], [nonatomic], [retain]

The Notification Center that monitors the shared Documents directory

### 4.7.3.3 - (NSArray\*) pathsArray [read], [write], [nonatomic], [retain]

An Array with the paths to all PDF files in the shared Documents directory

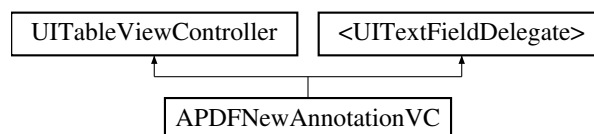
The documentation for this class was generated from the following files:

- AnnotatePDF/[APDFMasterViewController.h](#)
- AnnotatePDF/[APDFMasterViewController.m](#)

## 4.8 APDFNewAnnotationVC Class Reference

```
#import <APDFNewAnnotationVC.h>
```

Inheritance diagram for APDFNewAnnotationVC:



## Instance Methods

- (IBAction) - [colorSelected:](#)
- (IBAction) - [selectedSegmentChanged:](#)
- (IBAction) - [borderSwitchChanged:](#)
- (void) - [initUIElements](#)

## Properties

- IBOutlet UISegmentedControl \* [segmentedControl](#)
- IBOutlet UITableViewCell \* [colorCell](#)

- IBOutlet UITableViewCell \* [borderSwitchCell](#)
- IBOutlet UITableViewCell \* [borderWidthCell](#)
- IBOutlet UISwitch \* [borderSwitch](#)
- IBOutlet UITextField \* [borderWidthTextField](#)
- NSString \* [annotType](#)
- NSNumber \* [withBorder](#)
- NSNumber \* [borderWidth](#)
- UIColor \* [annotColor](#)

#### 4.8.1 Detailed Description

A View Controller that holds the current parameters for a new Annotation. It is designed for being presented in a Popover. It lets the user change the parameters for a new Annotation.

#### 4.8.2 Method Documentation

##### 4.8.2.1 -(void) borderSwitchChanged: (id) sender

Selects if the border is on or off. It is called when the border switch changed. Performed by an IBAction.

###### Parameters

<i>sender</i>	The UISwitch that changed
---------------	---------------------------

##### 4.8.2.2 -(void) colorSelected: (id) sender

Selects the color of the specified UIButton sender. Performed by an IBAction.

###### Parameters

<i>sender</i>	The UIButton that is pressed
---------------	------------------------------

##### 4.8.2.3 -(void) initUIElements

Initializes the UI elements to show the stored values of `annotType`, `withBorder`, `borderWidth`, `annotColor`

##### 4.8.2.4 -(void) selectedSegmentChanged: (id) sender

Selects the new Annotation type segment specified by UISegmentedControl sender. Performed by an IBAction.

###### Parameters

<i>sender</i>	The UISegmentedControl that is pressed
---------------	--

#### 4.8.3 Property Documentation

##### 4.8.3.1 -(UIColor\*) annotColor [read],[write],[nonatomic],[retain]

The color of the new Annotation

**4.8.3.2** `-(NSString*) annotType` [read], [write], [nonatomic], [retain]

A string holding the current type for a new Annotation

**4.8.3.3** `-(IBOutlet UISwitch*) borderSwitch` [read], [write], [nonatomic], [retain]

The Switch to activate/deactivate the annotation border in GUI

**4.8.3.4** `-(IBOutlet UITableViewCell*) borderSwitchCell` [read], [write], [nonatomic], [retain]

The TableViewCell holding the Switch to activate/deactivate the annotation border in GUI

**4.8.3.5** `-(NSNumber*) borderWidth` [read], [write], [nonatomic], [retain]

NSNumber with double value of the borderWidth

**4.8.3.6** `-(IBOutlet UITableViewCell*) borderWidthCell` [read], [write], [nonatomic], [retain]

The TableViewCell holding the Text Field defining the border Width in GUI

**4.8.3.7** `-(IBOutlet UITextField*) borderWidthTextField` [read], [write], [nonatomic], [retain]

TextField defining the border width in GUI

**4.8.3.8** `-(IBOutlet UITableViewCell*) colorCell` [read], [write], [nonatomic], [retain]

The TableViewCell holding the color picker in GUI

**4.8.3.9** `-(IBOutlet UISegmentedControl*) segmentedControl` [read], [write], [nonatomic], [retain]

Annotation type Segmented Control in GUI

**4.8.3.10** `-(NSNumber*) withBorder` [read], [write], [nonatomic], [retain]

NSNumber with BOOL value if border is on or off

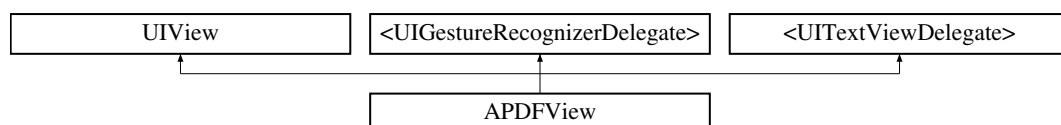
The documentation for this class was generated from the following files:

- AnnotatePDF/[APDFNewAnnotationVC.h](#)
- AnnotatePDF/[APDFNewAnnotationVC.m](#)

## 4.9 APDFView Class Reference

```
#import <APDFView.h>
```

Inheritance diagram for APDFView:



## Instance Methods

- (void) - [displayPDFPageNumber:](#)
- (void) - [calculateTouchZones](#)
- (void) - [reloadPdf](#)
- (BOOL) - [locationInPdfView:](#)
- (CGRect) - [frameInPdfForView:](#)

## Protected Attributes

- CGPoint [point](#)
- [ResizableTextView](#) \* [annotTextView](#)
- [APDFDetailViewController](#) \* [detailVC](#)
- CGPoint [nAnnotStartPoint](#)

## Properties

- NSInteger [currentPage](#)
- CGPDFDocumentRef [myDocumentRef](#)
- CGPDFPageRef [pdfPage](#)
- CGRect [nextPageRect](#)
- CGRect [prevPageRect](#)
- NSString \* [pdfPath](#)
- id< [APDFViewDelegate](#) > [delegate](#)
- float [pdfScale](#)

### 4.9.1 Detailed Description

The View that displays the PDF page and creates new Annotations

### 4.9.2 Method Documentation

#### 4.9.2.1 - (void) calculateTouchZones

Calculates the [nextPageRect](#) and [prevPageRect](#) in dependence of the view size

#### 4.9.2.2 - (void) displayPDFPageNumber: (NSInteger) *pageNum*

Displays page with specified index of the current PDF file

##### Parameters

<i>pageNum</i>	The page index
----------------	----------------

#### 4.9.2.3 - (CGRect) frameInPdfForView: (UIView\*) *view*

Takes a specified view that is a subview of the [APDFView](#) and calculates its coordinates in the PDF page

##### Parameters

<i>view</i>	A subview of the <a href="#">APDFView</a>
-------------	---

**Returns**

The rect of the specified view in the PDF page

**4.9.2.4 - (BOOL) locationInPdfView: (CGPoint) location**

Checks if a specified point is in the area where the PDF page is displayed

**Parameters**

<i>location</i>	The point that has to be checked
-----------------	----------------------------------

**Returns**

YES if the point is inside, NO if the point is outside

**4.9.2.5 - (void) reloadPdf**

Reloads the parameters myDocumentRef and pdfPage in dependence of pdfPath and currentPage

**4.9.3 Member Data Documentation****4.9.3.1 - (ResizableTextView\*) annotTextView [protected]**

The active TextView during the creation of a new annotation. When there is no creation active it should be nil

**4.9.3.2 - (APDFDetailViewController\*) detailVC [protected]**

The DetailViewController of the SplitView of this iPad App. This ViewController displays this [APDFView](#)

**4.9.3.3 - (CGPoint) nAnnotStartPoint [protected]**

The point where a new annotation starts during the creation of a new square annotation.

**4.9.3.4 - (CGPoint) point [protected]**

The Point in the view where the PDF page starts

**4.9.4 Property Documentation****4.9.4.1 - (NSInteger) currentPage [read], [write], [nonatomic], [assign]**

The index of the current page that is displayed

**4.9.4.2 - (id<APDFViewDelegate>) delegate [read], [write], [nonatomic], [assign]**

The delegate of the [APDFView](#)

**4.9.4.3 - (CGPDFDocumentRef) myDocumentRef [read], [write], [nonatomic], [assign]**

The PDF document that is active (a page of it is displayed)

**4.9.4.4** - (CGRect) `nextPageRect` [read],[write],[nonatomic],[assign]

The rect that recognices a tap and then performs an action to display the next page

**4.9.4.5** - (CGPDFPageRef) `pdfPage` [read],[write],[nonatomic],[assign]

The PDF page that is displayed

**4.9.4.6** - (NSString\*) `pdfPath` [read],[write],[nonatomic],[retain]

The filepath to the active PDF file

**4.9.4.7** - (float) `pdfScale` [read],[write],[atomic]

The scale of the PDF page to match into the [APDFView](#)

**4.9.4.8** - (CGRect) `prevPageRect` [read],[write],[nonatomic],[assign]

The rect that recognices a tap and then performs an action to display the previous page

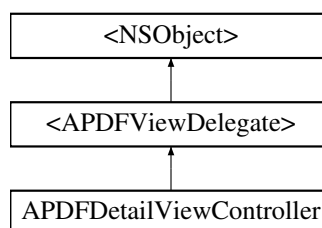
The documentation for this class was generated from the following files:

- [AnnotatePDF/APDFView.h](#)
- [AnnotatePDF/APDFView.m](#)

## 4.10 <APDFViewDelegate> Protocol Reference

```
#import <APDFView.h>
```

Inheritance diagram for <APDFViewDelegate>:



### Instance Methods

- (void) - [didTouchNextPage](#)
- (void) - [didTouchPrevPage](#)

#### 4.10.1 Detailed Description

Informs the delegate that the previous or next page has to be shown

## 4.10.2 Method Documentation

### 4.10.2.1 - (void) didTouchNextPage

The Next page should be displayed

### 4.10.2.2 - (void) didTouchPrevPage

The previous page should be displayed

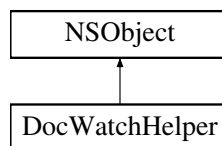
The documentation for this protocol was generated from the following file:

- AnnotatePDF/[APDFView.h](#)

## 4.11 DocWatchHelper Class Reference

```
#import <DocWatchHelper.h>
```

Inheritance diagram for DocWatchHelper:



### Class Methods

- (id) + [watcherForPath:](#)

### Protected Attributes

- CFFileDescriptorRef [kqref](#)
- CFRunLoopSourceRef [rls](#)

### Properties

- NSString \* [path](#)

## 4.11.1 Detailed Description

A class used to monitor a file directory and to send notifications when changes occur

## 4.11.2 Method Documentation

### 4.11.2.1 + (id) watcherForPath: (NSString \*) *aPath*

## 4.11.3 Member Data Documentation

### 4.11.3.1 - (CFFileDescriptorRef) kqref [protected]

4.11.3.2 - (CFRunLoopSourceRef) rls [protected]

#### 4.11.4 Property Documentation

4.11.4.1 - (NSString\*) path [read], [write], [atomic], [strong]

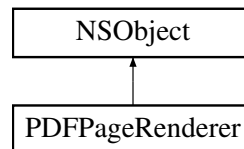
The documentation for this class was generated from the following files:

- AnnotatePDF/[DocWatchHelper.h](#)
- AnnotatePDF/[DocWatchHelper.m](#)

## 4.12 PDFPageRenderer Class Reference

```
#import <PDFPageRenderer.h>
```

Inheritance diagram for PDFPageRenderer:



### Class Methods

- (void) + [renderPage:inContext:atPoint:withZoom:](#)
- (void) + [renderAnnotationsForPage:inContext:](#)

#### 4.12.1 Detailed Description

Provides rendering functions for PDF pages and PDF annotations

#### 4.12.2 Method Documentation

4.12.2.1 + (void) [renderAnnotationsForPage:](#) (CGPDFPageRef) *page* inContext:(CGContextRef) *context*

Draws the annotations of a specified page in a specified context

##### Parameters

<i>page</i>	The PDF page that holds the annotations
<i>context</i>	The context in that the annotations should be drawn

4.12.2.2 + (void) [renderPage:](#) (CGPDFPageRef) *page* inContext:(CGContextRef) *context* atPoint:(CGPoint) *point* withZoom:(float) *zoom*

Draws a specified PDF page in a specified context. The drawing begins at a specified point. The page will be displayed with a specified zoom



## Parameters

<i>page</i>	The PDF page that has to be drawn
<i>context</i>	The context in that the page should be drawn
<i>point</i>	The point in the context where the page should start
<i>zoom</i>	The zoom the page should be drawn with

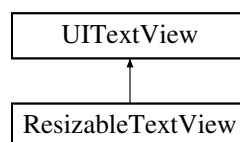
The documentation for this class was generated from the following files:

- AnnotatePDF/[PDFPageRenderer.h](#)
- AnnotatePDF/[PDFPageRenderer.mm](#)

## 4.13 ResizableTextView Class Reference

```
#import <ResizableTextView.h>
```

Inheritance diagram for ResizableTextView:



### 4.13.1 Detailed Description

Subclass of UITextView to ensure that the conten inset is removed. This is needed to set the FreeText annotations to the right position

The documentation for this class was generated from the following file:

- AnnotatePDF/[ResizableTextView.h](#)



## Chapter 5

# File Documentation

### 5.1 AnnotatePDF/APDFAnnotation.h File Reference

```
#import <Foundation/Foundation.h>
```

#### Classes

- class [APDFAnnotation](#)

#### Macros

- #define [ANNOT\\_FREE\\_TEXT](#) @"FreeText"
- #define [ANNOT\\_HIGHLIGHT](#) @"Highlight"
- #define [ANNOT\\_SQUARE](#) @"Square"

#### 5.1.1 Macro Definition Documentation

##### 5.1.1.1 #define ANNOT\_FREE\_TEXT @"FreeText"

The identifier for FreeText annotations

##### 5.1.1.2 #define ANNOT\_HIGHLIGHT @"Highlight"

The identifier for Highlight annotations

##### 5.1.1.3 #define ANNOT\_SQUARE @"Square"

The identifier for Square annotations

### 5.2 AnnotatePDF/APDFAnnotation.m File Reference

```
#import "APDFAnnotation.h"
```

### 5.3 AnnotatePDF/APDFAnnotationsVC.h File Reference

```
#import <UIKit/UIKit.h>
```

#### Classes

- class [APDFAnnotationsVC](#)

### 5.4 AnnotatePDF/APDFAnnotationsVC.m File Reference

```
#import "APDFAnnotationsVC.h"  
#import "APDFAnnotation.h"  
#import "APDFManager.h"  
#import "APDFView.h"  
#import "APDFDetailViewController.h"  
#import "APDFAppDelegate.h"
```

### 5.5 AnnotatePDF/APDFAppDelegate.h File Reference

```
#import <UIKit/UIKit.h>
```

#### Classes

- class [APDFAppDelegate](#)

### 5.6 AnnotatePDF/APDFAppDelegate.m File Reference

```
#import "APDFAppDelegate.h"
```

### 5.7 AnnotatePDF/APDFDetailViewController.h File Reference

```
#import <UIKit/UIKit.h>  
#import "APDFView.h"
```

#### Classes

- class [APDFDetailViewController](#)

## 5.8 AnnotatePDF/APDFDetailViewController.mm File Reference

```
#import "APDFDetailViewController.h"
#import "PDFPageRenderer.h"
#import "podofo.h"
#import "APDFManager.h"
#import "APDFAnnotationsVC.h"
#import "APDFAppDelegate.h"
#import "APDFNewAnnotationVC.h"
#import "APDFAnnotation.h"
```

## 5.9 AnnotatePDF/APDFManager.h File Reference

```
#import <Foundation/Foundation.h>
#import <QuartzCore/QuartzCore.h>
```

### Classes

- class [APDFManager](#)

## 5.10 AnnotatePDF/APDFManager.mm File Reference

```
#import "APDFManager.h"
#import "APDFAnnotation.h"
#import "ResizableTextView.h"
#import "podofo.h"
```

## 5.11 AnnotatePDF/APDFMasterViewController.h File Reference

```
#import <UIKit/UIKit.h>
#import <Foundation/Foundation.h>
```

### Classes

- class [APDFMasterViewController](#)

## 5.12 AnnotatePDF/APDFMasterViewController.m File Reference

```
#import "APDFMasterViewController.h"
#import "APDFDetailViewController.h"
#import "PDFPageRenderer.h"
#import "APDFManager.h"
#import "APDFAnnotationsVC.h"
#import "DocWatchHelper.h"
```

## 5.13 AnnotatePDF/APDFNewAnnotationVC.h File Reference

```
#import <UIKit/UIKit.h>
```

### Classes

- class [APDFNewAnnotationVC](#)

## 5.14 AnnotatePDF/APDFNewAnnotationVC.m File Reference

```
#import "APDFNewAnnotationVC.h"  
#import "APDFAnnotation.h"
```

### Macros

- #define [MAX\\_BorderWidth](#) 3.0
- #define [MIN\\_BorderWidth](#) 0.1

### 5.14.1 Macro Definition Documentation

5.14.1.1 #define [MAX\\_BorderWidth](#) 3.0

5.14.1.2 #define [MIN\\_BorderWidth](#) 0.1

## 5.15 AnnotatePDF/APDFView.h File Reference

```
#import <UIKit/UIKit.h>  
#import "ResizableTextView.h"
```

### Classes

- protocol [<APDFViewDelegate>](#)
- class [APDFView](#)

## 5.16 AnnotatePDF/APDFView.m File Reference

```
#import "APDFView.h"  
#import "APDFAppDelegate.h"  
#import "PDFPageRenderer.h"  
#import <QuartzCore/QuartzCore.h>  
#import "APDFAnnotation.h"  
#import "APDFDetailViewController.h"  
#import "APDFManager.h"
```

## Macros

- `#define TOUCHWIDTH 50`

### 5.16.1 Macro Definition Documentation

#### 5.16.1.1 `#define TOUCHWIDTH 50`

## 5.17 AnnotatePDF/DocWatchHelper.h File Reference

## Classes

- class `DocWatchHelper`

## Macros

- `#define kDocumentChanged @"DocumentsFolderContentsDidChangeNotification"`

### 5.17.1 Macro Definition Documentation

#### 5.17.1.1 `#define kDocumentChanged @"DocumentsFolderContentsDidChangeNotification"`

## 5.18 AnnotatePDF/DocWatchHelper.m File Reference

```
#import "DocWatchHelper.h"
#import <fcntl.h>
#import <sys/event.h>
```

## 5.19 AnnotatePDF/main.m File Reference

```
#import <UIKit/UIKit.h>
#import "APDFAppDelegate.h"
```

## Functions

- int `main` (int argc, char \*argv[])

### 5.19.1 Function Documentation

#### 5.19.1.1 int main ( int argc, char \* argv[] )

## 5.20 AnnotatePDF/PDFPageRenderer.h File Reference

```
#import <Foundation/Foundation.h>
```

## Classes

- class [PDFPageRenderer](#)

### 5.21 AnnotatePDF/PDFPageRenderer.mm File Reference

```
#import "PDFPageRenderer.h"
#import "APDFAnnotation.h"
#import "APDFManager.h"
#import "ResizableTextView.h"
#import <QuartzCore/QuartzCore.h>
#import "podofo.h"
#import "fontconfig.h"
```

### 5.22 AnnotatePDF/ResizableTextView.h File Reference

```
#import <UIKit/UIKit.h>
```

## Classes

- class [ResizableTextView](#)

### 5.23 AnnotatePDF/ResizableTextView.m File Reference

```
#import "ResizableTextView.h"
```



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