

Hierarchical bookmarks

PDF calls them outline entries. Every reader calls the panel "Bookmarks".

`PdfDocument.Outlines` is the root collection. Each `PdfOutline` it returns has an `Outlines` collection of its own, and that is the whole of the hierarchy - there is no depth limit and no separate node type.

```
var chapter = document.Outlines.Add("Chapter 1", page, opened: true);
var section = chapter.Outlines.Add("1.1 The first section", page);
section.Top = 640; // where on the page to land
```

`Add(title, page)` alone writes `/XYZ null null null` - a destination naming a page and nothing else, which leaves the reader wherever that page is already scrolled to. Set `Top` and the entry lands on the heading. Every entry in this document sets it, which is why clicking down the tree moves rather than appearing not to.

`Style` and `TextColor` are the entry's own - chapter 3 below is bold italic and red. `Opened` decides whether a branch arrives expanded, and is written as `/Count`: the number of rows the branch would add, negated when it is shut. Chapters 1 and 3 are open below and chapter 2 is not, so the panel should show its sections only after a click.

Contents

1. Setting out	2
1.1 What a bookmark is	
1.1.1 A subsection	
1.1.2 And another	
1.2 Where it points	
1.3 What it costs	
2. In the middle	3
2.1 Nesting	
2.2 Opened and collapsed	
3. Coming back	4
3.1 Styles	
3.2 Colours	
Appendix. Destination types	5

1. Setting out

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Appendix. Destination types

PdfOutline.PageDestinationType decides which of the coordinates below are read.

type	coordinates read
XYZ - a corner and a zoom	Left, Top, Zoom
Fit - the whole page in the window	nothing
FitH - the width, at a height	Top
FitV - the height, at a left edge	Left
FitR - a rectangle of the page	Left, Bottom, Right, Top
FitB - the ink, not the page	nothing
FitBH - the ink's width, at a height	Top
FitBV - the ink's height, at a left edge	Left

Click each of these in the bookmark panel: they all point at this page, and what changes is how the reader frames it. XYZ is the default, and the only one that zooms. PdfDocument.PageMode = PdfPageMode.UseOutlines is what opened the panel for you, and Opened on each entry is what decided how much of the tree was already unfolded in it.