

A structured document

Built entirely from the document object model. Nothing here positions anything; the renderer decides where every paragraph goes, breaks the pages, numbers them and resolves the cross-references.

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The dots are a tab leader, set on the tab stop the entry's style carries. The page numbers are PageRefFields, resolved during layout. The entries are hyperlinks to the same bookmarks the numbers point at, so clicking one goes there.

1 Sections and headers

A section is where a page setup lives, so a document with a landscape appendix or different margins for its front matter is a document with more than one section. This one is the third: the title page and the contents each have their own.

Headers and footers belong to the section too, and there are three of each. Primary is what a page gets; FirstPage replaces it on the section's first page when DifferentFirstPageHeaderFooter is set; EvenPage replaces it on even pages when OddAndEvenPagesHeaderFooter is. Setting the flags is what makes the other two reachable - filling them in without setting the flag does nothing at all.

2 Lists

ListInfo is the only list support in the library, and it hangs off a paragraph's format rather than being a container of its own. Six types, and a flag that says whether this paragraph carries on the list above it or starts a new one.

- BulletList1 - first item
- BulletList1 - item 2
- BulletList1 - item 3
- o BulletList2 - first item
- o BulletList2 - item 2
- o BulletList2 - item 3
- § BulletList3 - first item
- § BulletList3 - item 2
- § BulletList3 - item 3
- 1. NumberList1 - first item
- 2. NumberList1 - item 2
- 3. NumberList1 - item 3
- 1) NumberList2 - first item
- 2) NumberList2 - item 2
- 3) NumberList2 - item 3
- a) NumberList3 - first item
- b) NumberList3 - item 2
- c) NumberList3 - item 3

3 Cross-references and hyperlinks

The lists above begin on page 4, and this sentence knows that without anybody counting: a PageRefField is resolved against its bookmark when the document is laid out.

A hyperlink comes in three shapes. This one goes to chapter one, inside the document. This one leaves it, to a URI. A third form points at a file on disk.

Every heading on this page is a bookmark in the PDF's outline panel, and nothing in this demo calls Outlines.Add. ParagraphFormat.OutlineLevel on the Heading1 and Heading2 styles is what does it, and the tree's shape follows the levels.

This is section 3 of the document, and it has 3 page(s) of its own.