Table of Contents

The Notes below were for mPDF <2.0

It is now recommended that you use new functions :

TOCpagebreak() or <tocpagebreak>

TOC_Entry() or <tocentry>

From mPDF 2.3 you can use more than one ToC in a document. See the functions as above for details.

From mPDF 3.0 long entries in the ToC will wrap to the line

```
=======================
Table of Contents (TOC) - Rough Notes
=======================
```

This has been updated to take advantage of the control that is possible over page orientation, page numbering, headers & footers etc.

Also you can now determine whether internal links are created in the ToC AND/OR to choose whether to show the page numbers - internal hyperlinks but no page numbers may be best for a PDF file that is likely to be viewed on-line or on a PDA.

The original TOC function still works as before (with a few enhancements), but unless you have already used this in earlier versions of mPDF, it is recommended to use the new function TOCpagebreak / <tocpagebreak>

The original function TOC() now has the following parameters:
```
TOC(
    font
    fontsize    integer - value in pts.
    indent    integer - value in mm for indenting the left margin in the table of contents
    resetpagenum
    pagenumstyle
    suppress
    orientation        Determines the orientation of the pages the ToC will appear on
    usePaging        Default = true: Shows the page numbers
    useLinking        Default=false: Generates internal hyperlinks to the contents listed
)
```

The same variables are also added as attributes to the <toc> html tagL
```
<toc
    font
    font-size    integer - value in pts.
    indent    integer - value in mm for indenting the left margin in the table of contents
    toc-orientation    "landscape|portrait|L|P"
    resetpagenum    "1"
    pagenumstyle    "I|i|A|a|1"
    suppress        "on|off"
    paging        "1|0|on|off"
    links          "1|0|on|off"
/>
```

NB Remember that the function insertToC() which had to be called at the end of the document in early versions of mPDF is now called automatically when the file is Output() - it doesn't need to be specifically called (in fact should not be)

Old Notes:

mPDF can generate a Table of Contents (ToC). Although this is usually placed at the start of a document, it needs to be defined/generated at the end of the document (after an Index, if one is used) just before calling Output().

1. Mark the position you would eventually like the ToC positioned, by including on the appropriate page:
   <toc font="sans-serif" font-size="9" indent="5" /> or
   $mpdf->TOC('sans-serif', 9, 5);
   NB You do not need to call $mpdf->startPageNums(); this is now depracated as of v1.3
2. Mark ToC entries at the appropriate place in the HTML text; this can be done using e.g.:
   <tocentry content="Buffalo" level="0" /> or
   $mpdf->TOC_Entry("Buffalo",0); // Level starts at 0
3. At any time before generating the ToC, set some (optional) values for the ToC page(s):
   $mpdf->TOCheader = array(); // uses same format as SetHeader() - cf. Headers and Footers - must use the array form
   $mpdf->TOCfooter = array();
   $mpdf->TOCpreHTML = '<h3>Contents List</h3>'; // Placed above the ToC
   $mpdf->TOCpostHTML = ''; // Placed below the ToC
   $mpdf->TOCbookmarkText = 'Contents'; // Text to use for PDF Bookmark (blank for no bookmark)
4. At the end of document, just before calling Output():
   $mpdf->insertTOC();

TOC([**string** font[, **float** fontsize[, **float** indent[, **string** resetpagenum[, **mixed** pagenumstyle[, **integer** suppress]]]]]])

- font
  Font used for the ToC
  Default = '' i.e. default document font
- fontsize
  Fontsize used for the ToC in points (pt)
  Default = 8
- indent
  Amount to indent each level in millimeters
  Default = 5
- The next parameters (added in version 1.3) determine the page numbering from this point in the document onwards - not for the ToC itself (the ToC is not generated until the end and will have no page numbers). They will normally be set by AddPage() or <pagebreak />, but you can do it here if required.
- resetpagenum
  resetpagenum=1 will reset the document page number to one starting on the next page
- pagenumstyle
  paranumstyle (as for Lists) - 1=decimal; A=alpha uppercase; a=alpha lowercase; I=Roman uppercase; i=Roman lowercase
- suppress
  suppress=on will suppress document page numbers from the new page onwards (until suppress=off is used)

TOC_Entry(**string** content[, **integer** level])

- content
  Text string (utf-8 encoded)
- level
  Specify the level of this entry i.e. like heading1,2,3 ;but starts at level 0
  Default = 0

NB A ToC must start on an Odd page if using Odd/Even pages. TOC() will automatically add a blank page if required.

Example of use
$mpdf=new mPDF();
$mpdf->useOddEven = 1;

// ToC details can be set at any time before outputting the document, but lets do it at the start:
// Set blank header & footer for the ToC pages when they are generated
$mpdf->TOCheader = array();

```
$mpdf->TOCfooter = array();
$mpdf->TOCpreHTML = '<h2>Contents List</h2>';
$mpdf->TOCpostHTML = '- End of Contents List -';
$mpdf->TOCbookmarkText = 'Contents';

// Set headers and footers for the title pages without page numbers
$mpdf->setHeader('Header for Title Page(s)');
$mpdf->setFooter('Footer for Title Page(s)');
$mpdf->WriteHTML('Your Front Cover Pages',2);

// This where the ToC is going to go, but now you need to set the headers/footers and page numbering for what
follows the TOC, as though it did not exist in the document.
// ToC must start on a new page (an Odd page if using Odd & Even)

// Ensure we are now on an Even page (before changing headers/footers/page numbers)
$mpdf->AddPage('','E');

// Header needs to be set before AddPage
$mpdf->setHeader('Header for Main Text including {PAGENO}');

// Now add the new Odd page, and Start showing page numbers from this point on as Roman lowercase -
resetting the numbering to start at #1
$mpdf->AddPage('','','1','i');

// Reset the Footer after adding the page
$mpdf->setFooter('Footer for Main text including {PAGENO}');

// Set this page as where the ToC will be inserted later
$mpdf->TOC('sans-serif', 9, 5 );

// Now write the main text of your document
$mpdf->WriteHTML('Your Book text',2);
// ... which will include ToC entries e.g.
<tocentry content="Buffalo" level="0" />

// Generate the ToC and insert it back after the title page
$mpdf->insertTOC();
$mpdf->Output('','I');
```

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