

HK Pandoc ODT writer

Context

This is a work in progress attempting to provide a better ODT writer to Pandoc. Indeed, the original writer generates a lot of inline styles in the output ODT (LibreOffice/OpenOffice) document. It makes it difficult to customize the output with a reference document (`reference.odt`).

Use case

The typical use case is to write a document in Markdown and then render it in PDF (via LaTeX, html, or ODT. The different outputs should look alike.

The ODT version would allow to collaborate on a project with the poor guys out-there who still are stuck with so called WYSIWYG document editors. ;-)

Roadmap

- 1) Implement the basics (bullet lists and numbered lists) and a clean reference doc as a proof of concept.
- 2) Implement Tables
- 3) Implement by iteration all Pandoc objects.
- 4) Make it “smart” so one could change page size, lang, ... of the output document via Pandoc standard mechanism (i.e. with the same reference document).

Pandoc Objects

Blocks

Bullet lists Pandoc knows two type of lists : *tight* (compact) lists where there is no extra space between items and *loose* (normal) lists where there is the same space between items than between text paragraphs¹.

This is a loose bullet list:

- Level one
 - Level two
 - Level two again
 - * Level three
 - Level Four
 - Level Four, **again** !
 - * Level three again

¹Footnotes are cool :-)

- Back to level two
- Back to level one
- Ends with Level one

Ordered lists

This is a tight ordered list:

- 1) Level one
 - 1) Level two
 - 2) Level two again
 - 1) Level three
 - 1) Level Four
 - 2) Level Four again
 - 2) Level three again
 - 3) Back to level two
- 2) Back to level one
- 3) Must
- 4) Go
- 5) To
- 6) **Ten**
- 7) Lines
- 8) To show
- 9) alignment
- 10) Ends with Level one

Quotation This is a quotation from the great philosopher Jagger (as reported by D^r Gregory House) :

You can't always get what you want.

And another from D^r. Gregory House (MD) :

Reality is almost always wrong

House S1E3

Code block Here is some xml code.

```
<style:style style:name="Quotations"
  style:family="paragraph"
  style:parent-style-name="Standard"
  style:class="html">
  <!-- What about the style:class ? -->
  <!-- Could use style:list-style-name to specify the list to be used in Quotations paragraph -->
  <style:paragraph-properties
    fo:margin-left="1cm"
    fo:margin-right="1cm" fo:margin-top="0.25cm"
```

```

fo:margin-bottom="0.25cm" style:contextual-spacing="false"
fo:text-indent="0in"
style:auto-text-indent="false" />
</style:style>

```

Here is some Lua code.

```

-----
-- Create a counter
-----

function newCounter()
  local value=0
  return {
    count = function()
      value=value+1
      return value
    end,
    current = function()
      return value
    end,
  }
end

```

Tables

Table 1: *Simple* Table

Tables	are	not	easy
A	B	C	D
E	F	G	H

Table 2: **Not** so *Simple* Table Gnouf

Tables	are	definitely	not	easy
A	B	1000	C	D
E	F	25.5	G	H

Some Combinations

List inside quotation

I have found a list-style which render well even in BlockQuotes (Quotations) even if there is some kind of styling such as borders or colored background.

Warning ! Google docs doesn't render well the left border of a block quote with nested lists. It's probably an OpenDocument to Google docs conversion issue.

This is a tight bullet list:

- Level one
 - Level two
 - Level two again
 - * Level three
 - Level Four
 - Level Four again
 - * Level three again
 - Back to level two
- Back to **level one**
- Ends with Level one

This is a loose ordered list:

- 1) Level one
 - 1) Level two
 - 2) Level two again
 - 1) Level three
 - 1) Level Four
 - 2) Level Four again
 - 2) Level three again
 - 3) Back to level two
- 2) Back to level one
- 3) Ends with Level one

Inlines

Emphasis and strong emphasis This is *emphasized*. This is **strong**. This is `code`.

Strikeout This text was ~~corrected~~ edited.

Subscripts This is done via Pandoc Markdown. GitHub Flavored Markdown (GFM) doesn't know them and the ~ syntax is equivalent to the ~~ syntax and renders as strikeout (GFM call it strikethrough) text.

When thirsty, drink H₂O. Don't breathe too much CO₂

This is a definition list:

Glucose C₆H₁₂O₆

Water H₂O

Methanol CH_3OH

Ethanol $\text{CH}_3\text{CH}_2\text{OH}$

Acetic Acid CH_3COOH

Underlines, Small caps and Highlight I cannot underline enough that
SMALL CAPS and **highlighting** are useful.