

# 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 paragraphs<sup>1</sup>.

This is a loose bullet list:

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

---

<sup>1</sup>Footnotes 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<sup>r</sup> Gregory House) :

You can't always get what you want.

And another from D<sup>r</sup>. 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>

```

## 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 H<sub>2</sub>O. Don't breathe to much CO<sub>2</sub>

This is a definition list:

**Glucose** C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>

**Water** H<sub>2</sub>O

**Methanol** CH<sub>3</sub>OH

**Ethanol** CH<sub>3</sub>CH<sub>2</sub>OH

**Acetic Acid** CH<sub>3</sub>COOH

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