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[1].

This is a loose bullet list:

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

---

[1] 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$^\mathrm{r}$ Gregory House) :

> You can't always get what you want.

And another from D$^\mathrm{r}$. 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 par
  <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

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_2O. Don't breathe to much CO_2

This is a definition list:

Glucose $C_6H_{12}O_6$

Water H_2O

Methanol CH_3OH

Ethanol CH_3CH_2OH

Acetic Acid CH_3COOH

Underlines, Small caps and Highlight   I cannot <u>underline</u> enough that SMALL CAPS and <mark>highlighting</mark> are useful.