pankyll-pandoc README

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1 Abstract

This document describes briefly the aim and content of **pankyll-pandoc**. The goal of **pankyll-pandoc** is to add functionality to pandoc by providing Lua filters and LaTeX templates and configuration that can be leveraged by pankyll to created for example PDFs or to count words of a Markdown document.

As it can be seen below the invocation of pandoc might implicate a plethora of command-line options. Even if parts of this repository is designed for and can be used without pankyll it is usually more convenient once pankyll is set up to use pankyll to generate PDFs.

1.1 History

Version	Date	Notes
0.1.2	2022-05-30	history, -changes, introduction, rm dupl. license, +usage sec., +PDF
0.1.1	2020-05-13	Fix TOC feature
0.1.0	2020-03-22	Initial release

2 Introduction

The aim of **pankyll-pandoc** is to add features to **Pankyll** by providing configuration, filters and templates to **Pandoc**. The `toc.markdown` template filters out a table of content for a given Markdown file. The `pankyll.latex` template is used to convert a Markdown page to a PDF. The word count feature is realized via the **Pandoc** filter `word-count.lua` that calculates usually more precise than self parsing of Markdown files. The `links-md-to-html.lua` filter replaces inline Markdown links with links to HTML pages. And the `replace_verbatim_with_lstlisting.lua` dispatches two different verbatim environments. All filters need a newer **Pandoc** version to work with and have bin tested with **Pandoc** v2.2.1 and v.2.10.1 and **texlive** 2017, 2020 and 2022.

3 Usage

3.1 Filters

```
pandoc -t html5 -o out.html --lua-filter=links-md-to-html.lua in.md
pandoc -o out.pdf --lua-filter=replace_verbatim_with_lstlisting.lua in md
pandoc -t gfm --lua-filter=word-count.lua in.md
```

3.2 Templates

This command will create the file `README.pdf` from the Markdown source `README.md` by using 2 filters and the `pankyll-pandoc` template.

```
pandoc -f 'markdown+implicit_header_references+blank_before_blockquote\
+fenced_code_blocks+backtick_code_blocks+fenced_code_attributes\
+line_blocks+definition_lists+simple_tables+table_captions\
+multiline_tables+pipe_tables+yaml_metadata_block+strikeout+superscript\
```

```
+subscript+shortcut_reference_links+implicit_figures+link_attributes\
+footnotes+inline_notes+emoji+autolink_bare_uris' --verbose --toc \
--number-sections --from 'markdown+implicit_header_references\
+blank_before_blockquote+fenced_code_blocks+backtick_code_blocks\
+fenced_code_attributes+line_blocks+definition_lists+simple_tables\
+table_captions+multiline_tables+pipe_tables+yaml_metadata_block\
+strikeout+superscript+subscript+shortcut_reference_links\
+implicit_figures+link_attributes+footnotes+inline_notes+emoji\
+autolink_bare_uris' --to latex --standalone --highlight-style zenburn \
-V 'lang:en-US' -V 'papersize=a4' -V 'fontsize=12pt' \
-V 'documentclass=article' -V 'mainfont=Noto Sans CJK JP' \
-V 'sansfont=Noto Sans CJK JP' -V 'monofont=WenQuanYi Micro Hei Mono' \
-V 'monofontoptions=BoldFont={Noto Sans Mono CJK JP Bold}' \
-V 'linkcolor=Violet' -V 'citecolor=Green' -V 'urlcolor=MidnightBlue' \
-V 'toccolor=Gray' -V 'pagestyle=headings' \
--template=templates/pankyll.latex --pdf-engine=xelatex \
--fail-if-warnings \
--lua-filter=filters/replace_verbatim_with_lstlisting.lua \
--lua-filter=filters/links-md-to-html.lua -o README.pdf README.md
```

It was tested with pandoc 2.10.1 and texlive 2017, 2020 and 2022.

4 Author

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5 License And Copyright

```
1  Copyright (C) 2020, 2022 by Christian Külker, see LICENSE file.
```