Using CriticMarkup with pandoc

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Using CriticMarkup with pandoc—not a filter but a preprocessor.

Definition of CriticMarkup

- Deletions: This is ~~is~~ a test.
- Additions: This is a test.
- Substitutions: This ~~isn't~~is a test.
- Highlighting: This is a <mark>test</mark>.
- Comments: This is a test.

What is a test for?

The Scripts

These scripts are supposed to be in the same folder:

- `criticmarkup-accept.py`
- `criticmarkup-reject.py`
- `pandoc-criticmarkup.sh`

The `criticmarkup-accept.py` and `criticmarkup-reject.py` are extracted from the OS X System Services from CriticMarkup Toolkit.

Note on LaTeX Output: Usepackage Required

Note that the latex output requires the LaTeX packages `color` and `soul`. As you can see from this markdown file, I used a hack to guarantee your pandoc standard template also use them, like this: `fontfamily: lmodern,color,soul`.

In my personal use, I have an YAML of `usepackage: [color,soul]` that in my template will added `\usepackage{color,soul}`. See ickc/pandoc-templates at latex-usepackage-hyperref for details.

Usage

```
pandoc-criticmarkup.sh [options...] [file]
```

Options:

- accept: `-a`
- reject: `-r`
- permanent: `-p`
- show diff: `-d`
  - `-d html`: targeting html output using RAW HTML
  - `-d latex`: targeting LaTeX output using RAW LaTeX
  - `-d pdf`: same as above

If permanent is used, it will overwrite the original, if not, it will output to `stdout`. In most situation permanent should be used with `-a` or `-r` only, but it can be used with `-d` as well.

`-a`, `-r`, `-d` are supposed to use separately:

- If `-d` is used, the others are ignored,
- if `-r` is used, `-a` is ignored

It can be used with the pandoc commands, like these (see `build.sh` for more examples):

```
## Showing Difference and not overwriting
./pandoc-criticmarkup.sh -d html README.md | pandoc -s -o README.html
./pandoc-criticmarkup.sh -d pdf README.md | pandoc -s -o README.pdf
## accept or reject while overwriting the source
./pandoc-criticmarkup.sh -ap README-accept.md
./pandoc-criticmarkup.sh -rp README-reject.md
```

Appendix: Mapping for Showing Differences

critic markup	HTML	LaTeX
\st{[text]}	~~[text]~~	\st{[text]}
\underline{[text]}	<ins>[text]</ins>	\underline{[text]}
\st{[text1]}\underline{[text2]}	~~[text1]~~<ins>[text2]</ins>	\st{[text1]}\underline{[text2]}
\hl{[text]}	<mark>[text]</mark>	\hl{[text]}
\marginpar{[text]}	<aside>[text]</aside>	\marginpar{[text]}