Markdown to PDF Conversion Test File

A markdown file, pandoc command, LaTeX template, and resulting PDF containing all the formatting scenarios I could think of.

Craig Parker (that's Pahkah in Maine)

craig@fossfolks.com

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Contents

How To

Getting the environment set up involves installing a few packages. I've tested on Ubuntu and MacOS in Ubuntu, but the package names should be similar on different operating systems. Here's how I got the environment set up on my own machine.

Installing Software

On Ubuntu

Grab Pandoc from Github. I started at 2.3.1, but was at 2.5.1 by the time I got done:

```
sudo dpkg -i <DOWNLOADED PANDOC FILE>.deb
```

Then get LaTeX installed:

```
sudo apt-get install texlive texlive-xetex texlive-fonts-recommended texlive-fonts-extra \
texlive-font-utils
```

On a Mac

Homebrew

1. If Homebrew is NOT installed yet:

```
/usr/bin/ruby -e "$(curl -fsSL \
https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

2. If Homebrew IS installed:

```
brew update
```

Pandoc

- Install Pandoc with Brew:
  `brew install pandoc`

Templates

Fonts

In the same directory as wherever we're running the `pandoc` command from, there needs to be a `fonts` directory, so that we can declare where to get fonts from. You don't NEED one really, but I'm trying to keep shit cleaned up; we may want a few different fonts (we'll at least need a monospaced one for code) so I'm just keeping them all in a fonts directory.

Commands are all going to be run like this:

```
pandoc -s --template="./templates/template.latex" markdown_template.md --pdf-engine=xelatex \
-o markdown_template.pdf
```

The Title

I've done this heading in the LaTeX equivalent of H2, since I'm working on other types of documents. I realize that I can use H1 here, but I also copyedit things on blogs, and H1 there is the title. I can't use it.

- Bulleted List
    - There's a way to do this with things besides bullets (Roman numerals, numbers, capital and lowercase letters, numbers, etc) but I just need bullets, so here they are.
    - There is also a way to get other charcters, like textopenbullet, but I haven't found a font yet that contains it. Use textbullet, and experiment from there, using the Great Big List of LaTeX Symbols I've included in the `help_stuff` directory.
- Another point
    - Level 2
        - Level 3
            - Level 4
                - Level 5
                    - Level 6
                        - Level 7
                            - Level 8
                                - Level 9
- A third point
    - Sub-bullet
        - Another one
    - Sub-bullet 2
- A fourth point

And a link will look like this link

H1

LaTeX calls it the thesection

H2

LaTeX calls it the thesubsection

H3

LaTeX calls it the thesubsubsection

H4

LaTeX calls it the theparagraph

H5

LaTeX calls it the thesubparagraph

Beware the last two – if you don't have a newline after them, it will crap out with an error. I believe it's because I'm dorking with them a little later in the template. They were, by default, having the following text show up on the same line. I fixed that with the makeatletter section, but that must somehow break things a bit so that you need the empty line in markdown between the heading and the following text.

It's easier to read the markdown with the empty line, so I didn't get too worried about it.

> This is a block quote Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. > And this is nested blockquote.

> More of the original quote here... Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

> **This is an H5 type header, inside a quote, with a quoted list under it:**
>
> 1. This is the first list item.
> 2. This is the second list item.
>
> Here's some example code (four spaces):

```
return shell_exec("echo $input | $markdown_script");
```

And then some more with three backticks

```
return shell_exec("echo $input | $markdown_script");
```

Tables

Table 1 (LaTex with booktabs package)

Password	Base	Length	Combinations
password	a-z 26	8	208,827,064,576
Password	a-z,A-Z 52	8	53,459,728,531,456
Passw0rd	a-z,A-Z,0-9 62	8	218,340,105,584,896
P@ssw0rd	a-z,A-Z,0-9,@ 94	8	6,095,689,385,410,816
P@s5	a-z,A-Z,0-9,@ 94	4	78,074,896

Table 2 (just markdown with longtable package)

Password	Base	Length	Combinations
password	a-z 26	8	208,827,064,576
Password	a-z,A-Z 52	8	53,459,728,531,456
Passw0rd	a-z,A-Z,0-9 62	8	218,340,105,584,896
P@ssw0rd	a-z,A-Z,0-9,@ 94	8	6,095,689,385,410,816
P@s5	a-z,A-Z,0-9,@ 94	4	78,074,896