Quickstart

1. Install mupdf (`sudo apt install mupdf` on ubuntu)
2. Install notetaking
    - from PyPI: `pip3 install notetaking`
    - or from source: `git clone https://github.com/calumsbaird/notetaking.git && cd notetaking && python3 setup.py install`
3. Put some markdown in a text file `echo "# Title" > test.md`
4. Make the pdf `notetaking test.md -b`
5. Edit `test.md` in your favourite text editor and watch the pdf update when you save it

Test

- hello world

```
def fenced_code():
    for i in range(10):
        print("hello world")
```

```
some pseudo code
```

- hows this?
- *italic*
- **bold**
- ***both***

notetaking with python

- write a file in markdown/html
- running `notetaking <file>` will convert it to a pdf and open a pdfviewer (mupdf?)
- notetaking will continue to run in the background, every time the file is saved the pdf should update
- if the document is closed stop notetaking and close the pdf
    - this might not be possible because different editors will edit the file in different ways
- if the pdf is closed stop notetaking
- if there are any errors we need to notify the user via the OS, hoopefully this is universal

TODO

- include easy css support
- also call notetaking from vim
- log errors in markdown syntax
- config file, maybe use envionment variables?
- better logging messages

Limitations

There is currently no way to track errors (syntax or otherwise) in the markdown, html or css you write.

I havent found any lightweight math rendering yet https://github.com/mbarkhau/markdown-katex has worked but is very slow

Can't update in realtime. Relies on linux signals when a file is saved. Could use `.file.swp` but

Useful resources

- inotify to track changes to the file https://unix.stackexchange.com/questions/88399/how-to-generate-signal-interrupt-on-a-file-descriptor-in-linux
    - might even be able to track changes to the vim .swp file too
- [python-markdown]: https://python-markdown.github.io/ for converted markdown and html with nested markdown into markdown

Packaging

```
python3 setup.py sdist bdist_wheel
python3 -m twine upload dist/*
```

- add `let @t=':read! screenshot %^M'` to your vimrc