



# PahkahCMS Readme

A sample markdown file

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## Images

Floating images are hard, especially when I'm outputting PDF and HTML. So I've decided to have either one big image, or split a section in two with the image on the right or left, and the text opposite. Here are two examples of splits:

Darth Maul killed my kids at LegoLand in Florida. They were thrilled with the picture (and are now ages 18 and 16)



Here's one with the image on the left, but it's one bigger div, with the image and text in smaller right and left divs.

One issue I'm having with this is that I need a border (white) or the `imgDIV` goes haywire. It's something dumb, I'm sure, I just haven't found the issue yet.

## Table of Contents Problem

There was one wee little issue, with the table of contents. When a list (the H3 headings are the list items) went over a page break, the items on the first page's part got bumped up a bit.

The fix is to edit `boxes.py`. You'll have to hunt for it, but it's sitting in whichever directory WeasyPrint got installed into. Try this to find it:

```
sudo find / -name boxes.py
```

It should be somewhere like:

```
/usr/local/lib/python3.x/dist-packages/weasyprint/formatting_structure
```

(on a Linux machine), or on a Mac:

```
/usr/local/lib/python3.x/site-packages/weasyprint/formatting_structure/
```

We're looking for something in the vicinity of line 320-350 of that file (which may change in future versions) that reads:

```
if (start or end) and old_style == self.style:
```

It essentially means *"if something is equal to something else"*, and we need it to say *"if something is NOT equal to something else"* instead. We do it by replacing the first of those equals signs with an exclamation point, like this:

```
if (start or end) and old_style != self.style:
```

Rendering the TOC should work fine after this change.

## Lists over Page Breaks Issue

This is something the WeasyPrint community is still looking into (as of 3/2020)... If there's a list that goes over a page break, the first list item on the next page of the list looks a little weird. It's almost like the number/bullet is bumped down a bit from the contents of that number/bullet point. I kind of work around it for now (like, by making lower-level headings instead of list items), but it has been labeled a bug by the community. Someone will fix it.

## Heading Examples

### H3

This is **H3**

### H4

This is **H4**

### H5

This is **H5**

### H6

This is **H6**

## Blank Lines Required

That's a joke, really. Blank lines aren't required between things so much, like they are with the LaTeX template I cooked up. Because it's easier to read the Markdown though, I'll probably just keep doing it.

A blank line is **still** required before a bulleted list though. And speaking of lists...

## Lists

By using `:::dubbah` ahead of a list, and `:::` after it (with blank lines above and below each), we are essentially create a `<div class="dubbah"> </div>` tags in the resulting HTML. This means we can create a different list style for each of those `div` classes. I've made a few, but the sky's the limit.

## Normal List

This is the default list style:

- Bullet 1 (top-level)
  - #1 Level 2 Bullet
  - #2 Level 2 Bullet
  - #3 Level 2 Bullet
- Bullet 2 (top-level)
  - #1 Level 2 Bullet
  - #2 Level 2 Bullet
  - #3 Level 2 Bullet
  - Level 4
    - Level 5
      - Level 6
        - Level 7
          - Level 8
            - Level 9
- Bullet 4 (top-level)
- Bullet 5 (top-level)
  - Another #1 point
 

A code block nested in a list
- Bullet 6 (top-level)

## Other List Styles

Look in the `css` file to see the different styles that are set up. Try them here, by changing the file to see the different styles that are set up. Try them here, by changing the `:::b` to something else, like `:::defs`.

Bullet 1 (top-level)

- #1 Level 2 Bullet
- #2 Level 2 Bullet
- #3 Level 2 Bullet

Bullet 2 (top-level)

- #1 Level 2 Bullet
- #2 Level 2 Bullet
- #3 Level 2 Bullet

Level 4

Level 5

Level 6

Level 7

Level 8

Level 9

Bullet 4 (top-level)

Bullet 5 (top-level)

Another #1 point

```
A code block nested in a list
```

Bullet 6 (top-level)

The `:::defs` typew list, by the way, is one I'm using and still twaeking a lot. I'm on the fence about styling a list ofr this, or styling different sized headings for it. I've got both options going in the `css` file until I make up my mind.

## Other Items We Might Run Into

Need a landscape page all of a sudden in your PDF? Check out the `.horiz` declaration in the `css` and in this corresponding markdown.

Here is a horizontal line:

---

Here is a block quote: Blahdy blah blah MOO I'm a goat.

**And here is an H5 header, inside a quote, with a quoted list under it:**

1. ONE list item! Ah ah ah...
2. TWO list items! Ah ah ah...

Now for good measure, let's throw in some example code:

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

## Tables

Eghads... Making tables work in LaTeX is a ruckus, Doing them this way (using an HTML/CSS template with WeasyPrint) lets them just work. There's no LaTeX tinkering required, whatsoever. I've written a PHP app that keeps track of chord charts for songs, and uses Markdown tables. Here's what one looks like:

<i>Intro</i>		2	5	1	5						
		1	4	1	5-/1			4	4	1	3/6
		2	5	1/6	2/5						
<i>Out</i>		1/6	2	5	1						

## Forcing Page Breaks

You may not like where something lands, page-wise, and want to kick it down to the next one. There's a div class for that, called `pb`. To do a page break, just use the same kind of div class hack we were doing earlier with lists:

```

:::pb
:::

```

To see how this works, take a looksie at the raw Markdown, just above the **### Forcing Page Breaks** heading. I did it there. You'll be able to see that there's a break right before that heading in the PDF.