

# **MkDocs Frinze Template**

Making documentation easier

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### 1. Welcome to MkDocs Frinze Template

This is my template that I have created while I was working for a cool workplaces namely Lotterywest and UWA System Health Lab. This is a template that contains extensions that are very nice to have when you just want a standard documentation for anything!

For full documentation visit:

- mkdocs.org for the generic MkDocs
- PyMdown Extensions for the different extensions that are installed
- MkDocs Material for the customisation of the web server documentation.

#### 1.1 How easy is this to deploy?

- 1. Fork / Clone This Repo
- 2. Follow the installation
- 3. Delete the markdown files here and replace it with your own
- 4. Maybe put your own Nav in the mkdocs.yml file
- 5. Deploy somewhere! (easist way Github Pages see here)

#### 1.2 What inspired me to do this?

I have seen that a lot of the documentation is really scattered for Mkdocs. Like the documentation is good and there are a lot of them, but all I really wanted was a generic template with most of the extensions that I will need without being caught up on which one to pick, and so on; so, I ended up creating this which aims to give you a very easy way to start your documentation. In addition, there was some hussle sometimes, in trying to figure out why some extensions aren't working, and it is just frustrating and time-consuming.

Just erase those markdown files in the /docs file, and you can get started.

#### 1.3 Installation

Install this preferably in your global environment because this is just a code generator and so.

```
1 pip install -r requirements.txt
```

#### 1.4 Commands

- mkdocs new [dir-name] Create a new project.
- · mkdocs serve Start the live-reloading docs server. Very helpful when you want to take a look at the docs before deploying.
- mkdocs build Build the documentation site.
- mkdocs -h Print help message and exit.
- mkdocs gh-deploy Deploy in github pages

## 1.5 Project layout

```
mkdocs.yml # The configuration file.

docs/

index.md # The documentation homepage.

the documentation homepage and other files.
```

#### 2. Extensions Installed Overview

This is a VERY VERY small overview to what you can do with this. I will just highlight some of them, because those are the only documentation syntax that I commonly use and usually remember.

#### 2.1 Admonitions

These are kind of those fancy boxes that you usually in cool Science Books that adds extra information.



#### Note

As you can see this box, is very attractive.

The syntax for this is:

```
1 !!! note
2 As you can see this box, is very attractive.
```

#### What If You want a different Title

The syntax for this is:

```
1 !!! note "What If You want a different Title"
2 As you can see this box, is very attractive.
```

#### 2.1.1 Icons

More info here

You can also change these icons by changing the first word after  $\begin{tabular}{ll} \tt !!!! & \tt or ???? \end{tabular}$  .

note, seealso



#### Note

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abstract, summary, tldr



#### Abstract

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info, todo



#### Info

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tip, hint, important



#### Tip

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success, check, done



#### Success

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question, help, faq



#### Question

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warning, caution, attention



#### Warning

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failure, fail, missing



#### Failure

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danger, error



#### Danger

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bug



#### Bug

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example

#### **Example**

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quote, cite

```
" Quote
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod nulla. Curabitur feugiat, tortor non consequat finibus, justo purus auctor massa, nec semper lorem quam in massa.

#### 2.1.2 Collapsible Block

More info here

If things are getting a little bit crowded, why not make some of them collapsible?

#### **Example of a More Complex Documentation**

Here is the basic idea of bubble sort!

```
def bubble_sort(items):
    for i in range(len(items)):
        for j in range(len(items) - 1 - i):
        if items[j] > items[j + 1]:
        items[j], items[j + 1], items[j]
```

#### The Syntax for the Example Above

#### 2.2 Code Highlight

This is powered by codehilite. Whenever, you need code, this is the one that makes it pretty.

For example:

```
def bubble_sort(items):
    for i in range(len(items)):
        for j in range(len(items) - 1 - i):
        if items[j] > items[j + 1]:
        items[j], items[j + 1], items[j]
```

#### **Syntax of the Example Above**

#### 2.2.1 Highlight Specific Code Lines

What if I want to show some cool lines? I could highlight which specific line number should be highlighted.

#### Syntax of the Example Above

#### 2.3 Latex / Math Symbol Renderer

This is for math nerds that needs some Maths in their documentation. More info on Latex here.

For example, the Pythagoras Theorem  $$a^2 + b^2 = c^2 $$ 

```
Syntax of the Example Above

1 $$ a^2 + b^2 = c^2 $$
```

#### 2.3.1 Inline Latex

According to the results with the p-value (p < 0.05), it means that we will reject the null Hypothesis  $(H_0)$ , and that there is a significant difference in the means.

#### 2.4 Footnotes

Woah woah! Getting a little bit nerdy referencer here!

"You can tell that I don't know much about referencing" <sup>1</sup>. If you click this shiny number, it takes you to the bottom of the page where the reference is.

#### **Syntax of the Example Above**

```
1 "You can tell that I don't know much about referencing"[^1]
2
3 [^1]:
4 Book of Wisdom - John Doe
```

#### 2.5 Content Tabs

Very useful for when you need one or the other.

For example, when dealing with multiple programming languages.

```
C
    #include <stdio.h>
2
    int main(void) {
        printf("Hello world!\n");
        return 0;
    }
    C++
```

```
#include <iostream>
int main(void) {
    std::cout << "Hello world!" << std::endl;
    return 0;
}</pre>
```

#### 2.6 Icons and Emoji

Just worth mentioning, not too sure if you're going to use it.

- **A** .icons/material/account-circle.svg
- 🕒 .icons/fontawesome/regular/laugh-wink.svg
- .icons/octicons/octoface-16.svg

```
Syntax of Above

1 - :material-account-circle: - `.icons/material/account-circle.svg`
2 - :fontawesome-regular-laugh-wink: - `.icons/fontawesome/regular/laugh-wink.svg`
3 - :octicons-octoface-16: - `.icons/octicons/octoface-16.svg`
```

#### 2.7 Images

Can be done with Markdown or HTML.

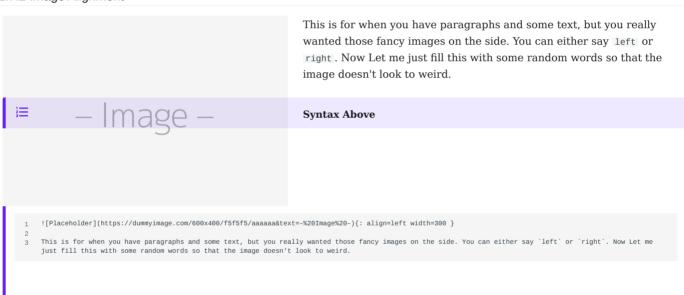
#### 2.7.1 Image Captioning



The Logo that Daphne from Coders for Causes gave me



#### 2.7.2 Image Alignment



#### 2.8 Graph In Markdown / Mermaid Markdown

More Information here.

What if you really just want to create some fancy graphs, but you really can't be bothered to:

- 1. Load some other software
- 2. Draw this graph that you wanted to show
- 3. Save this graph that you want to show
- 4. Upload this graph somewhere
- 5. Link this image back to this documentation

Like there are just soooo many steps.

Introducing mermaid markdown.

graph TD A --> B & C B --> C

# 

How about more complex ones? Is this complex enough for your

graph TD A[Hard] --> |Text| B(Round) B --> C{Decision} C --> |One| D[Result 1] C --> |Two| E[Result 2]

#### 2.8.1 Some Examples of Other Charts

#### Sequence Diagram

#### Result

sequenceDiagram participant Alice participant Bob Alice->>John: Hello John, how are you? loop Healthcheck John->>John: Fight against hypochondria end Note right of John: Rational thoughts

prevail! John-->>Alice: Great! John->>Bob: How about you? Bob-->>John: Jolly good!

```
Syntax
         ```mermaid
1
         sequenceDiagram
         participant Alice
         participant Bob
         Alice->>John: Hello John, how are you?
        loop Healthcheck
             John->>John: Fight against hypochondria
         end
         Note right of John: Rational thoughts <br/> prevail!
         John-->>Alice: Great!
         John->>Bob: How about you?
11
         Bob-->>John: Jolly good
12
```

#### **Gantt Chart**

#### Result

gantt dateFormat YYYY-MM-DD title Adding GANTT diagram to mermaid excludes weekdays 2014-01-10 section A section Completed task :done, des1, 2014-01-06,2014-01-08 Active task :active, des2, 2014-01-09, 3d Future task : des3, after des2, 5d Future task2 : des4, after des3, 5d

```
Syntax
          ```mermaid
1
         gantt
         dateFormat YYYY-MM-DD
         title Adding GANTT diagram to mermaid
         excludes weekdays 2014-01-10
         section A section
         Completed task
                                              des1, 2014-01-06,2014-01-08
                                    :done,
8
                                    :active, des2, 2014-01-09, 3d
         Future task
Future task2
                                    des3, after des2, 5d des4, after des3, 5d
11
12
```

#### Class Diagram

#### Result

 $classDiagram\ Class01 < |-- AveryLongClass: Cool\ Class03 *-- Class04\ Class05\ o-- Class06\ Class07\ ..\ Class08\ Class09 --> C2: Where\ am\ i?\ Class09 --* C3\ Class09 --|> Class07\ Class07: Object[]\ elementData\ Class01: size()\ Class01: int\ chimp\ Class01: int\ gorilla\ Class08 <--> C2:\ Cool\ label$ 

# | ClassOiagram | Clas

<sup>1.</sup> Book of Wisdom - John Doe ←