MM-DOCS

This project is used to produce all forms of documentation for the service using Markdown and other repository friendly markup languages.

The documentation is created using the mm-docs docker bundle:

- https://github.com/majkinetor/mm-docs

Features

- Write documentation in extended Markdown, HTML, PlantUML and other markup languages
- Beautiful responsive design using material theme
- Navigational bar, TOC, search, internationalization, and various rich presentation functionalities
- Rich diagrams and interface mockups using PlantUML
- Macros can be written in python
- PDF export for each page or full site
- Live reload during editing
- GitLab/GitHub repository connection for editing within a browser
- Automated AppVeyor build and deploy to GitHub pages using Ubuntu image
- Cross platform for hosting and development

Prerequisites

- Docker
- PowerShell (optional, but recommended)

Quick start

To edit documentation:

- Clone new project template
- Start development server - run in PowerShell `Invoke-Build Run`. The command is syntax sugar for running docker containers.
- Add new documents somewhere in the `source\docs` hierarchy. To be visible in navigation, add to the path to the file in `source\mkdocs.yml` section `nav`, otherwise, the page is available via direct link.

To build static site run `Invoke-Build Build`.

This is a footer page, edit in `_inc/footer.md`

Build time: 2020-01-06 20:23:19

Demonstration page

mm-docs demonstration page.

For more details about included tools see:

- Mkdocs
- Mkdocs Material Extensions
- PlantUML
- MathJax
- Jinja

Customization

- Color palettes
- Language
- Extending theme

Text

Basic effects

Code	Output
`**Bold text**` or `__Bold text__`	**Bold text**
`*Italic text*` or `_Italic text_`	*Italic text*
`~~Strike Through~~`	~~Strike Through~~
`==Colored text==`	Colored text
`` `Inline code` ``	`Inline code`

Hotkeys

Code	Output
`++enter++`	Enter
`++"PgDown"++`	PgDown
`++"Non Existent Key"++`	Non Existent Key

- Unicode: Мислим дакле постојим

Links, footnotes and comments

Links

- I'm an inline-style link
- I'm an inline-style link with title

- I'm a reference-style link
- I'm a relative reference to a repository file
- You can use numbers for reference-style link definitions
- You can leave a link empty and use the link text itself

Magic links and emails: turned to links as recognized

- http://www.google.com
- majkinetor@gmail.com
- www.google.com

Footnotes

- I am a text with a short footnote [1]
- I am a text with a long footnote [2]

Comments

The text contains 2 comments bellow this line which should not be visible.

Citations

> 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. Inline:
>
> > 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.
> >
> > ```
> > code in citations
> > ```
> >
> > Another citation line

HTML

HTML is allowed without restrictions:

Some big text

Critic and comments

Here is some ~~*incorrect*~~ Markdown. I am adding this here. Here is some more ~~text that I am removing~~ text. And here is even more text that I am adding. Paragraph was deleted and replaced with some spaces.

Spaces were removed and a paragraph was added.

And here is a comment on some text 🗨 This works quite well. I just wanted to comment on it. . Substitutions ~~is~~ are great!

General block handling:

~~• test remove~~

~~• test remove~~

• test add

• test add

Emoji

List of emoji codes

- `:tada:` 🎉
- `:jack_o_lantern:` 🎃
- `:alien:` 👽

- `:robot_face:` 🤖
- `:smile:` 😄
- `:heart:` ❤️
- `:thumbsup:` 👍

💜 ❗ 🕐 🚜 🐓 👹

Lists

Ordered list

1. List item 1
2. List item 2
    a. List item 2.1
    b. List item 2.2
        i. List item 2.2.1
        ii. List item 2.2.2
    c. List item 2.3
3. List item 4

Unordered, mixed

- List item 1
- List item 2
    - List item 2.1
    - List item 2.2
        a. List item 2.2.1
        b. List item 2.2.2
    - List item 2.3
- List item 4

Tables

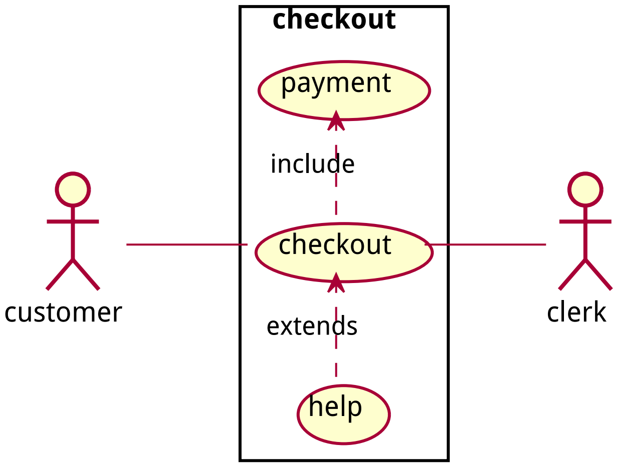
Col1	Col2
row1.1	row1.2
row2.1	row2.2-1 row2.2-2

Plantuml

Add `plantuml` in a block code header to set code section as PlantUml source. Use `format` to specify output type:

~~~
```plantuml format="svg"
title PlantUml Demo
left to right direction
skinparam packageStyle rectangle
actor customer
actor clerk
rectangle checkout {
  customer -- (checkout)
  (checkout) .> (payment) : include
  (help) .> (checkout) : extends
  (checkout) -- clerk
}
```
~~~

PlantUml Demo



MathJax

The block code:

~~~
```
$$
\frac{n!}{k!(n-k)!} = \binom{n}{k}
$$
```
~~~

\frac{n!}{k!(n-k)!} = \binom{n}{k}

`Inline math expressions: $p(x|y) = \frac{p(y|x)p(x)}{p(y)}$`

Inline math expressions: p(x|y) = \frac{p(y|x)p(x)}{p(y)}

Admonition

More info

Note

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.

Collapsed closed

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.

Collapsed open

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.

Extreme danger

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.

```
some code
```

> Some citation

Code Highlight

```
import tensorflow as tf
```

With tabs:

Bash PowerShell UML C C++ C#

```
#!/bin/bash

echo "Hello world!"
```

Abbreviations

The following are defined in single file, `_inc\abbr.md` and included on each page.

- IT, XML, JSON

Smart symbols

- `(tm)` ™
- `(c)` ©
- `c/o` ℅
- `+/-` ±
- `-->` →

- `<--` ←
- `<-->` ↔
- `=/=` ≠
- `1/4` ¼
- `1st` 1st

Task list

- ☑ Lorem ipsum dolor sit amet, consectetur adipiscing elit
- ☑ Curabitur elit nibh, euismod et ullamcorper at, iaculis feugiat est
- □ Vestibulum convallis sit amet nisi a tincidunt
    - ☑ In hac habitasse platea dictumst
    - □ Praesent sed risus massa
- □ Nulla vel eros venenatis, imperdiet enim id, faucibus nisi

Custom span class

Adding custom HTML classes to span elements.

Syntax: `!!<class names>|<text to be wrapped>!!` .

The following example uses css from the custom_css file, classes `color-yellow` and `backgrond-blue` :

- `I love !!color-yellow background-blue|cookies!!` - I love cookies

Macros

More details.

Variable from config	`extra.version = 0.1`
Variable from this page	`acme = Acme Company Ltd`
Macro (defined in `main.py`)	`bar(1) = 9.3` - `barbaz(3) = 9`
Python variable (defined in `main.py`)	`baz = John Doe`
Dictionary variable from config	`company.name = Acme`

Jinja templates

You can do all the work you want with Jinja2, including defining pure macros, conditionals and for loops:

```
{% macro input(name, value='', type='text', size=20) -%}
  <input type="{{ type }}" name="{{ name }}" value="{{ value}}" size="{{ size }}">
{%- endmacro %}

{% input('username') }}
{% input('password', type='password') }}
```

Includes

You may use the include directive from jinja2, directly in your markdown code e.g.:

```
## Paragraph
{%include 'snippet.md' %}
{%include 'html/content1.html' %}
```

The root directory for your included files is in `docs_dir`.

Environment variables

Environment variables can be used inside of configuration file `mkdocs.yaml`.

```
site_name: !!python/object/apply:os.getenv ["CI_PROJECT_PATH"]
repo_url: !!python/object/apply:os.getenv ["CI_PROJECT_URL"]
repo_name: !!python/object/apply:os.getenv ["CI_PROJECT_PATH"]
```

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1. https://en.wikipedia.org/wiki/Note_(typography)
2. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla et euismod massa, nec semper lorem quam in massa.

   ```
   code
   ```