# Getting Started with MkDocs

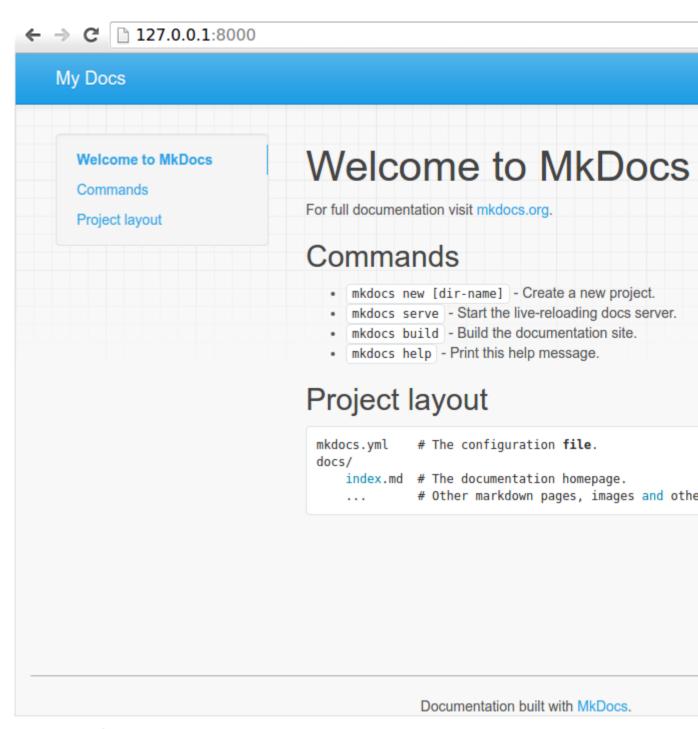
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Good documentation is what makes a project great. I was recently introduced to a new way to created a documentation site for my open-source project pyTigerGraph, as well as updating my peasy way to create great looking documentation, only using markdown and a couple configuration deploy the hosting of these documents to GitHub pages.

# Installation and Getting Started

First, make sure you have Python and pip installed. The simply run: pip install mkdocs. Once to project. For a documenting a project, you probably want all the documentation to reside inside the terminal to that directory, and then run mkdocs new my-project where my-project is the project refolder named after whatever the project name is. You want to then take the contents out of this form. Therefore, you should have a project file structure like this:

To make sure that this works, simply run mkdocs serve in your terminal and open up 127.0.0.1 something like this:



#### Screenshot from MkDocs documentation

You can then edit the index.md page that was automatically generated with your homepage con MkDocs automatically refreshes the preview server that is locally hosted.

# **Adding Pages**

After editing your homepage, you probably want to add other pages to your documentation. To do probably looks somthing like this:

```
site_name: MkLorum
nav:
    - Home: index.md
```

You can change the site name by simply changing the <code>site\_name</code> parameter in the file. To add an <code>gettingStarted.md</code>. Then, we will add it to the YAML file like this:

```
site_name: MkLorum
nav:
    - Home: index.md
    - Getting Started: gettingStarted.md
```

Follow this process for any other files that you want included on the webpage.

#### Choose Your Theme

Personally, I don't like the default website theme provided by MkDocs. For both my personal and puse this theme, run pip install mkdocs-material, and add this to your mkdocs.yml file:

```
theme:
name: material
```

Other themes can be viewed here. The customization step below might work on different themes

#### Customize

To change the color of the theme, we will create a CSS file. In the YAML file, we need to declare the

```
extra_css:
- stylesheets/extra.css
```

Then we need to create the stylesheets folder, inside of the docs folder. Then we will create th

```
:root {
    /* Primary color shades */
    --md-primary-fg-color:
                                         #7A0019:
    --md-primary-fg-color--light:
                                         #ffffff;
    --md-primary-fg-color--dark:
                                         #7A0019;
    --md-primary-bg-color:
                                         #ffffff;
                                         #ffffff;
    --md-primary-bg-color--light:
    --md-text-link-color:
                                         #7A0019;
    /* Accent color shades */
    --md-accent-fg-color:
                                         #7A0019;
    --md-accent-fg-color--transparent:
                                         #7A0019;
    --md-accent-bg-color:
                                         #7A0019;
    --md-accent-bg-color--light:
                                         #7A0019;
}
```

This file is where you can define any sort of custom color scheme. In the case above, it is maroor With the material theme, we can also add a logo and favicon to our site. This can be done by add

```
theme:
   name: material
   logo: https://avatars1.githubusercontent.com/u/9616171?s=460&v=4
   favicon: https://avatars1.githubusercontent.com/u/9616171?s=460&v=4
```

We can also add the status of the desired repository. To do this, simply add repo\_url: REPO\_NAME.

My personal portfolio website also contains links to various social media platforms at the bottom

This adds my GitHub profile picture to the site, but it could also be an image found within the repo

```
extra:
    social:
    - icon: fontawesome/brands/github
        link: https://github.com/parkererickson
    - icon: fontawesome/brands/twitter
        link: https://twitter.com/p_erickson30
    - icon: fontawesome/brands/linkedin
        link: https://linkedin.com/in/parker-erickson
        - icon: fontawesome/brands/medium
        link: https://medium.com/@parker.erickson
```

In total, your mkdocs.yml should look something like this:

```
site_name: Parker Erickson
nav:
  - 'Home': index.md
  - 'Projects': projects.md
  - 'Blog':
    - 'Getting Started with MkDocs': blog/gettingStartedWithMkdocs.md
    - 'IPO Prediction Using Graph Convolutional Neural Networks': blog/ipoGCN.md
    - 'Do You Really Need Trash Cans?': blog/doYouReallyNeedTrashCans.md
theme:
  name: material
  logo: https://avatars1.githubusercontent.com/u/9616171?s=460&v=4
  favicon: https://avatars1.githubusercontent.com/u/9616171?s=460&v=4
extra:
  social:
    - icon: fontawesome/brands/github
      link: https://github.com/parkererickson
    - icon: fontawesome/brands/twitter
     link: https://twitter.com/p_erickson30
    - icon: fontawesome/brands/linkedin
      link: https://linkedin.com/in/parker-erickson
    - icon: fontawesome/brands/medium
      link: https://medium.com/@parker.erickson
extra_css:
  - stylesheets/extra.css
```

### Deploy

To deploy to GitHub pages, make sure you have a GitHub repository initialized and properly setup .gitignore. Then, simply run mkdocs gh-deploy. This should create a new branch in your reposition. Then, simply run mkdocs gh-deploy. This should create a new branch in your reposition.

NAME to view the completed documentation.