

FREE BLOGGING WITH GITHUB

Liu Siyuan

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NTU Open Source Society

- Static and Dynamic Websites
- Static Website Generators

Make sure you have the following

- GitHub account
- Cloud9 account (optional)

STATIC AND DYNAMIC WEBSITES

Modern Websites are usually built with three components

- **HTML** for the content
- **CSS** for the styling
- **JavaScript** for the interactions

WHAT IS A STATIC WEBSITE

From Wikipedia:

A static web page is a web page that is delivered to the user exactly as stored.

Examples:

- University course information pages
- I can't think of many static websites :(

PROS AND CONS OF STATIC WEBSITES

Pros:

- Easy to build
- Lightweight

Cons:

- Hard to maintain
- Not suitable for dynamic contents

WHAT IS A DYNAMIC WEBSITE

From Wikipedia:

A server-side dynamic web page is a web page whose construction is controlled by an application server processing server-side scripts. In server-side scripting, parameters determine how the assembly of every new web page proceeds, including the setting up of more client-side processing.

Examples:

- Twitter
- Facebook
- Most of the websites you use :)

PROS AND CONS OF DYNAMIC WEBSITES

Pros:

- Greater functionality
- Better interaction

Cons:

- Hard to implement
- Expensive to host

STATIC WEBSITE GENERATOR

According to what we know so far, we can do

- Simple static website + time consuming maintenance
- Complex dynamic website + expensive hosting

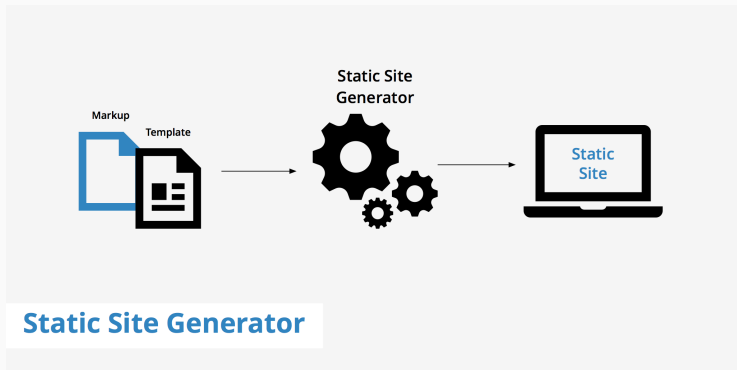
Neither of these two approaches seems to be ideal :(

Static website generator to the rescue :)

Static website generator is a kind of tool that helps us build static websites from dynamic contents. It combines the flexibility of dynamic websites and the simplicity of static websites.

HOW DOES THAT WORK

You provide the content, the tool generates the pages.



(Image source: keycdn.com)

Hugo is a fast static website generator written in the Go programming language. It's open source and it's very popular.

You will see how you can use **Hugo** to write your own blog.

QUESTIONS?