

Creating a Website With Jekyll

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What is Jekyll?

Jekyll is a program that takes static content files and creates a website from them. Jekyll provides the ability to reuse website layouts, and customize URLs without access to a formal backend.

The official Jekyll documentation is available at <http://jekyllrb.com/>.

Install Jekyll

Jekyll must be installed on a development computer in order to test your website. The Jekyll installation takes about 10-20 minutes.

Things were installed

Chaos ensued.

Jekyll Folders

Jekyll expects certain types of files to be stored in specific folders. There are six folders that need to be created.

Folders

Name	Stores
_data	Data files (like CSV, YML or JSON)
_drafts	Unpublished posts
_includes	Snippets of HTML or posts that can be reused
_layouts	The various layouts for the website
_posts	Completed posts
_site	Automatically used when Jekyll makes your completed website

What are Variables?

Jekyll provides the ability to pass variables between files. These can be used to pass customized data from a post, or used to set a default value for the entire website.

Text was here. It's gone now.

Create a Configuration File

The configuration file can be customized so the Jekyll site works as desired. These settings can affect many aspects of the website, including customization of URLs and declaring custom variables.

Things were Configured

More chaos ensued.

Config File Settings

The configuration file can be customized so the Jekyll site works as desired. These settings can affect many aspects of the website, including customization of URLs and declaring custom variables.

Configuration Settings

Setting	Description
Title	The title of your website.

Create Variables

Variables can be declared in the configuration file to be reused throughout the website.

Default Variables

was not declared

Override Variables

Variables declared in the configuration file can be overwritten in posts. This lets data be customized based on the content the reader is viewing.

Post Variables

Aren't as needed.

Create a Layout

Jekyll allows the website layout to be reused throughout webpages, even on a static website. There are several features that let the layout be more reusable.

DITA made this layout

It works.

Write A Post

Pages of content are stored as posts in Jekyll. While Jekyll is targeted towards blogs, posts can contain any content desired.

This is not a post

this is a task.

Testing Websites

Websites can be tested with the Jekyll Server command.

I am not sure there are steps here, but maybe. Run the command, grab the URL, go to it.

this is a task.

What are GitHub Pages?

GitHub Pages is a free webhosting service offered by GitHub. GitHub Pages works with Jekyll websites, and with customized domains.

The official GitHub Pages documentation is available at <https://pages.github.com/>.

GitHub is a service and tool located at github.com. This service provides a place to upload computer files and keeps a history of the file's changes. It is commonly used to store computer programs, but can also be used to store text and other documents. It is a popular service, used by over 4.5 million.

GitHub will host static webpages for free using a service called GitHub Pages. There is one website available per GitHub user. There is also one website per repository, known as a Project Page.

Host with Github Pages

GitHub Pages will host sites using Jekyll for free. This can be set up in 10-20 minutes.

This might not be included in the submitted project

Because we do this already.

Set Up Github.io Repo

In order to display your project as a webpage, GitHub requires a [username].github.io repository be created.

Things were installed

Chaos ensued.

Set Up Project Pages

Project Pages can be created for any GitHub repository by storing a website in the gh-pages branch.

Make branch. Enter Code. Magic. Magic everywhere.

Chaos ensued.