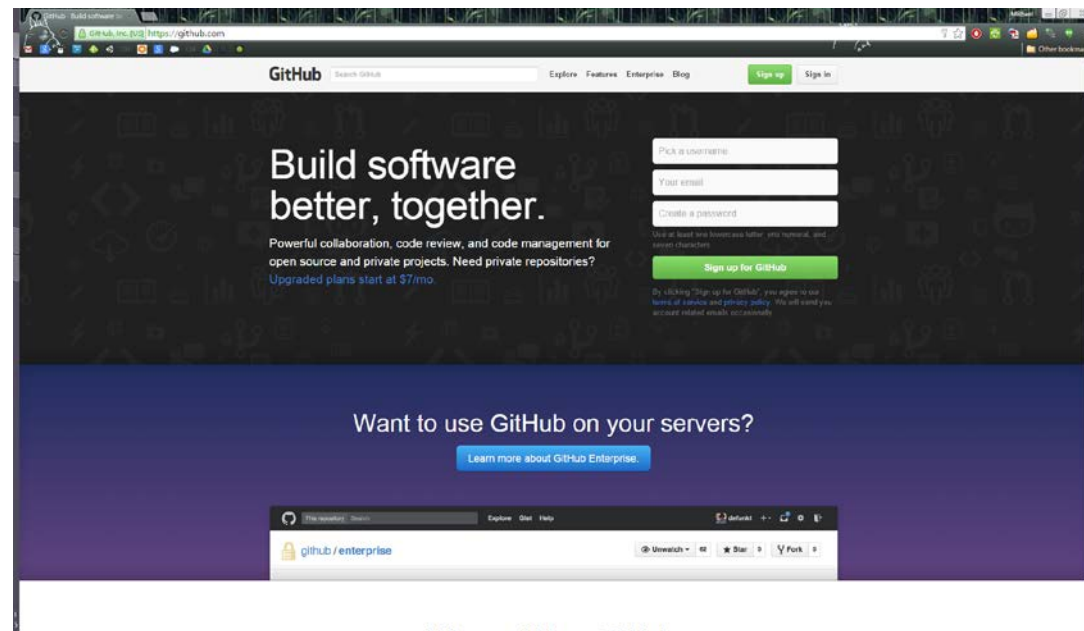
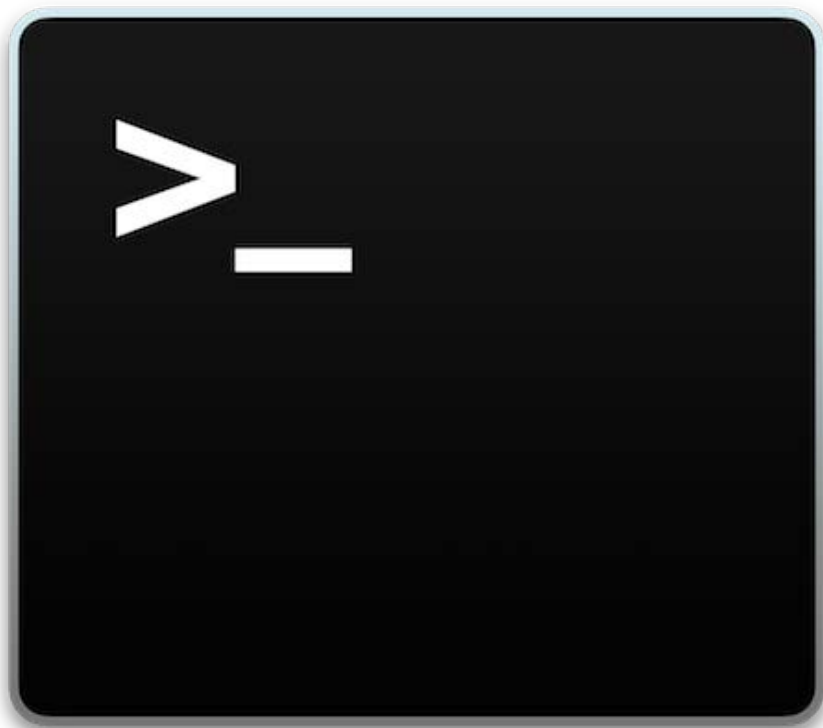


Git and GitHub

“Easy” Mode

Concepts

Git vs GitHub



Git Repository

(a folder with a history)



7/15/15 at 10:30p
First draft of website



7/16/15 at 11:30p
Fixed IE bug



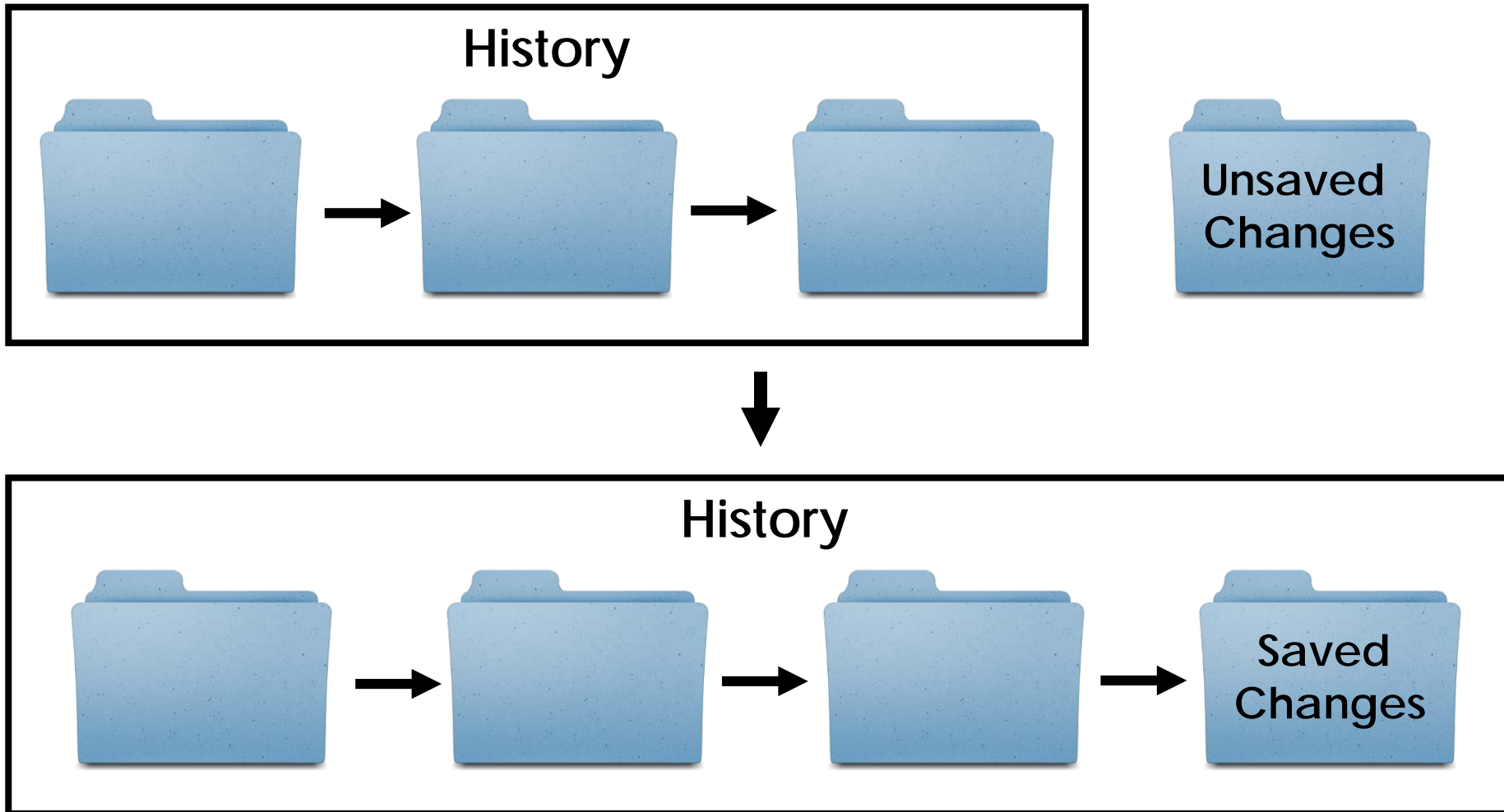
7/17/15 at 12:00a
Public release!



7/17/15 at 12:05a
Everything broke...
Hopefully this fixes it?

Git Committing

(saving a snapshot)

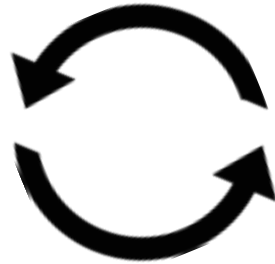
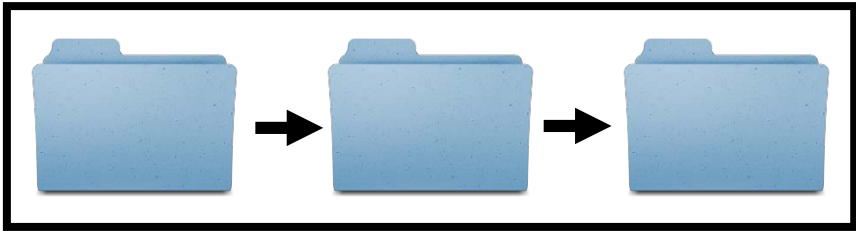


Syncing to GitHub

(to the "cloud")

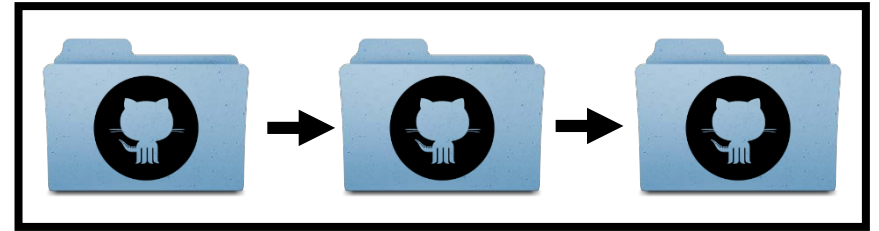
Local

(your computer's hard drive)



Remote

(GitHub's servers)



GitHub Pages

“Free” Web Hosting

First Time Setup

- Sign up for a GitHub account. Make sure to verify your email on your account!
- Download & install the [Desktop app](#)



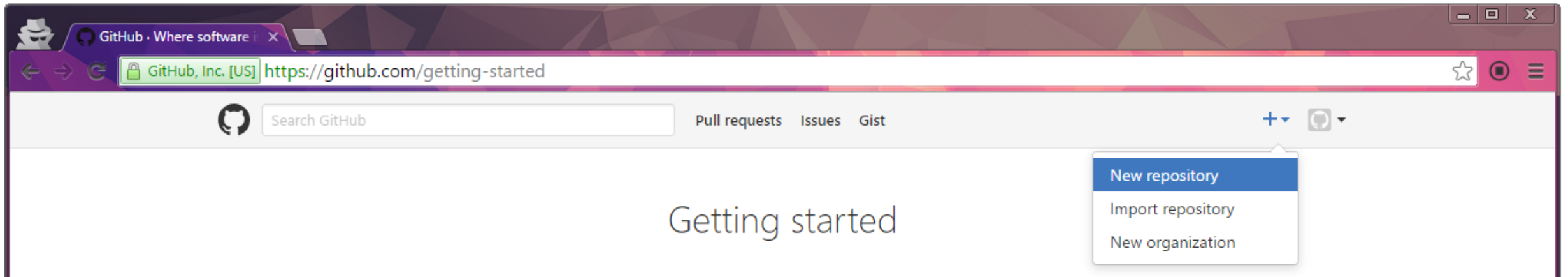
Repository (Website) Setup



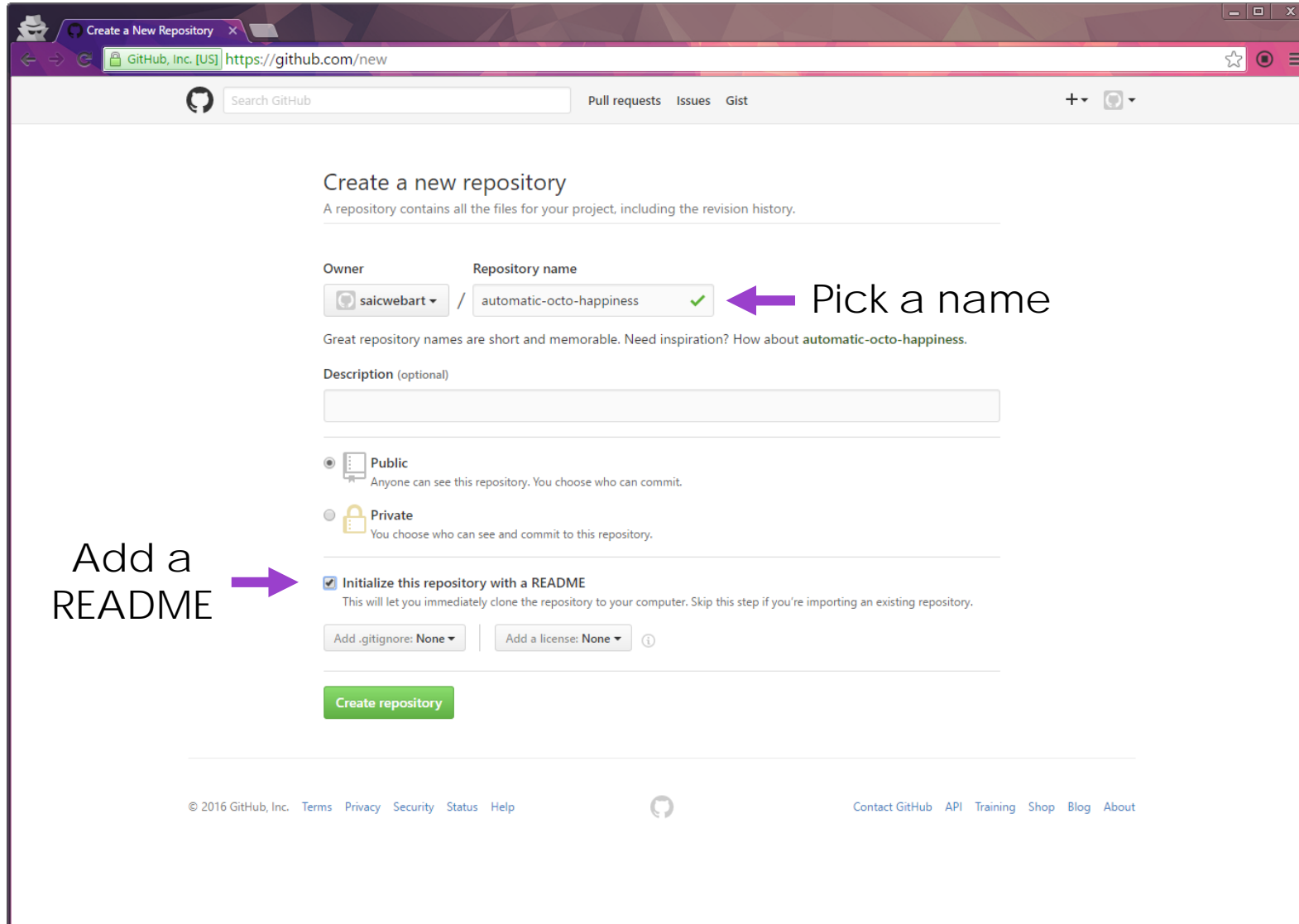
Default URL

`http://username.github.io/repository`

Create New Repository on GitHub



Create New Repository on GitHub



The screenshot shows the GitHub 'Create a New Repository' page. The browser address bar shows 'https://github.com/new'. The page title is 'Create a new repository'. Below the title, it says 'A repository contains all the files for your project, including the revision history.' The form has two main sections: 'Owner' and 'Repository name'. The 'Owner' dropdown is set to 'saicwebart'. The 'Repository name' dropdown is set to 'automatic-octo-happiness', which is marked with a green checkmark. A purple arrow points to this dropdown with the text 'Pick a name'. Below the name field, there is a text input for 'Description (optional)'. The 'Public' radio button is selected, with the text 'Anyone can see this repository. You choose who can commit.' Below that, the 'Private' radio button is unselected, with the text 'You choose who can see and commit to this repository.' At the bottom, the 'Initialize this repository with a README' checkbox is checked. A purple arrow points to this checkbox with the text 'Add a README'. Below the checkbox, there are two dropdowns: 'Add .gitignore: None' and 'Add a license: None'. At the bottom of the form is a green 'Create repository' button. The footer of the page shows '© 2016 GitHub, Inc.' and various links like 'Terms', 'Privacy', 'Security', 'Status', 'Help', 'Contact GitHub', 'API', 'Training', 'Shop', 'Blog', and 'About'.

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner: saicwebart / Repository name: automatic-octo-happiness ✓

Great repository names are short and memorable. Need inspiration? How about automatic-octo-happiness.

Description (optional)

☒ Public
Anyone can see this repository. You choose who can commit.

☐ Private
You choose who can see and commit to this repository.

☒ Initialize this repository with a README
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

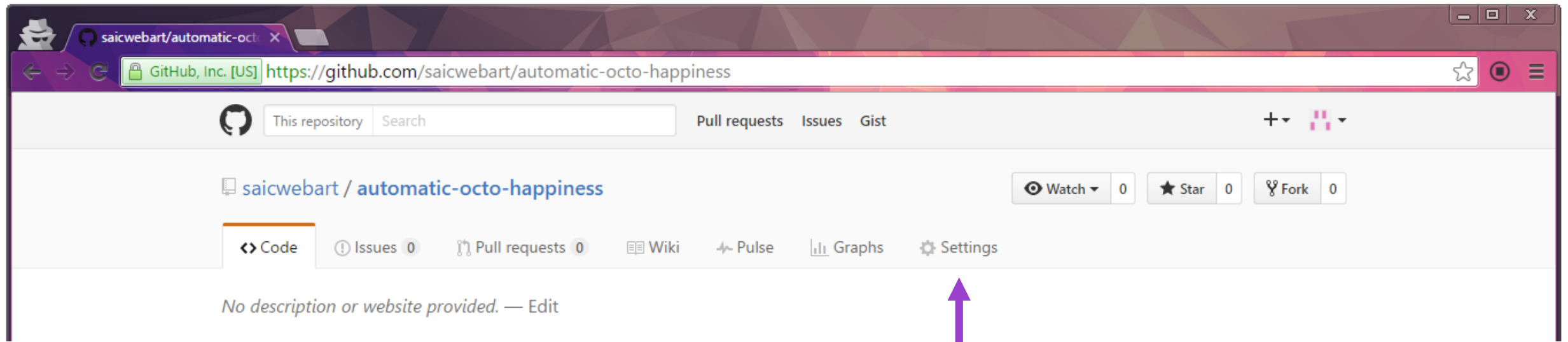
Add .gitignore: None | Add a license: None ⓘ

Create repository

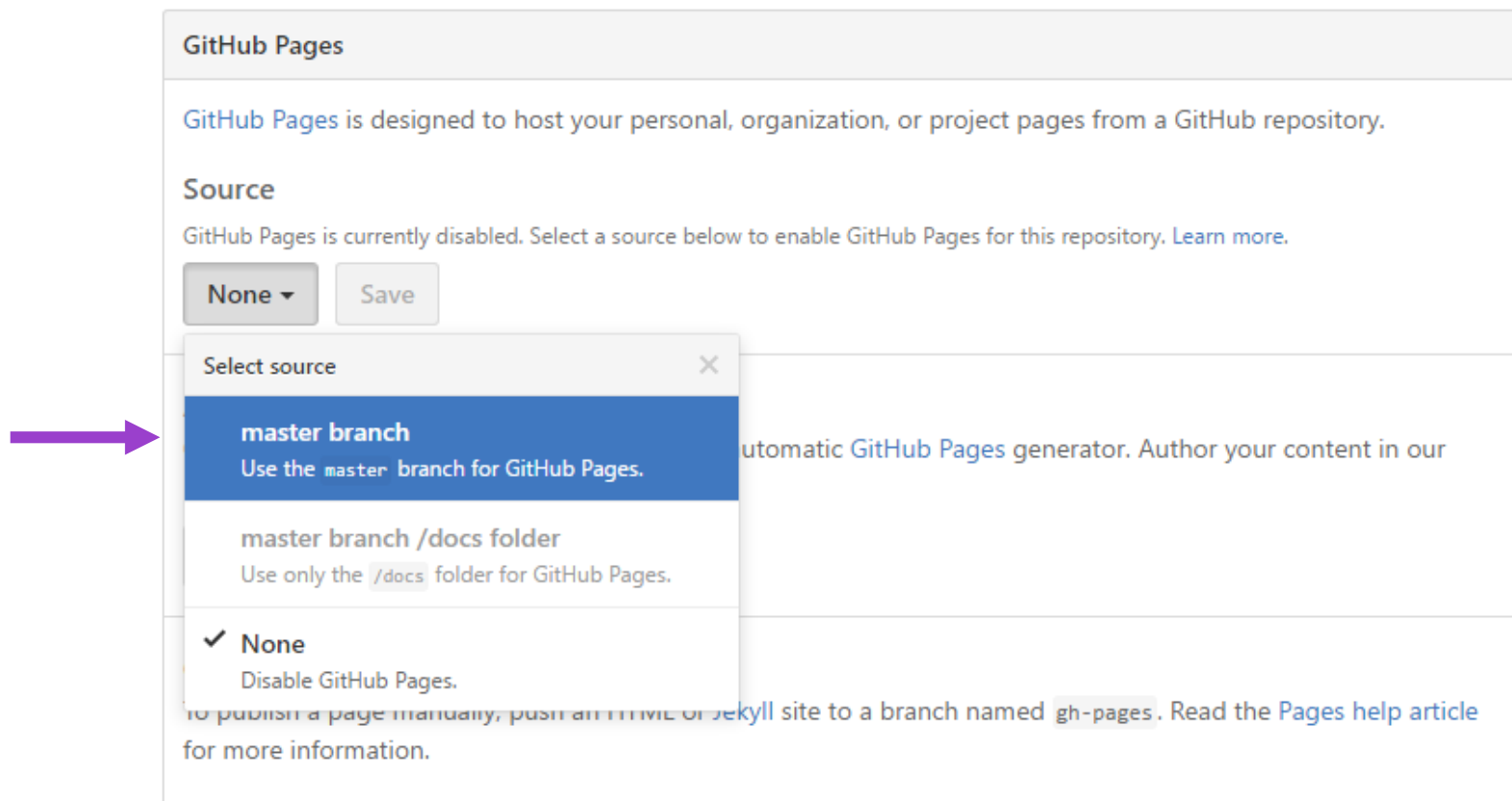
© 2016 GitHub, Inc. Terms Privacy Security Status Help

Contact GitHub API Training Shop Blog About

Go to Settings



Setup for GitHub Pages



Repository Setup Done



GitHub Pages

Your site is ready to be published at <https://saicwebart.github.io/automatic-octo-happiness/>.

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Source

Your GitHub Pages site is currently being built from the `master` branch. [Learn more.](#)

master branch ▾

Save

Custom domain

Custom domains allow you to serve your site from a domain other than `saicwebart.github.io`. [Learn more.](#)

Save

Update your site

To update your site, push your HTML or [Jekyll](#) updates to the `master` branch. Read the [Pages help article](#) for more information.

Overwrite site

Replace your existing site by using our automatic page generator. Author your content in our Markdown editor, select a theme, then publish.

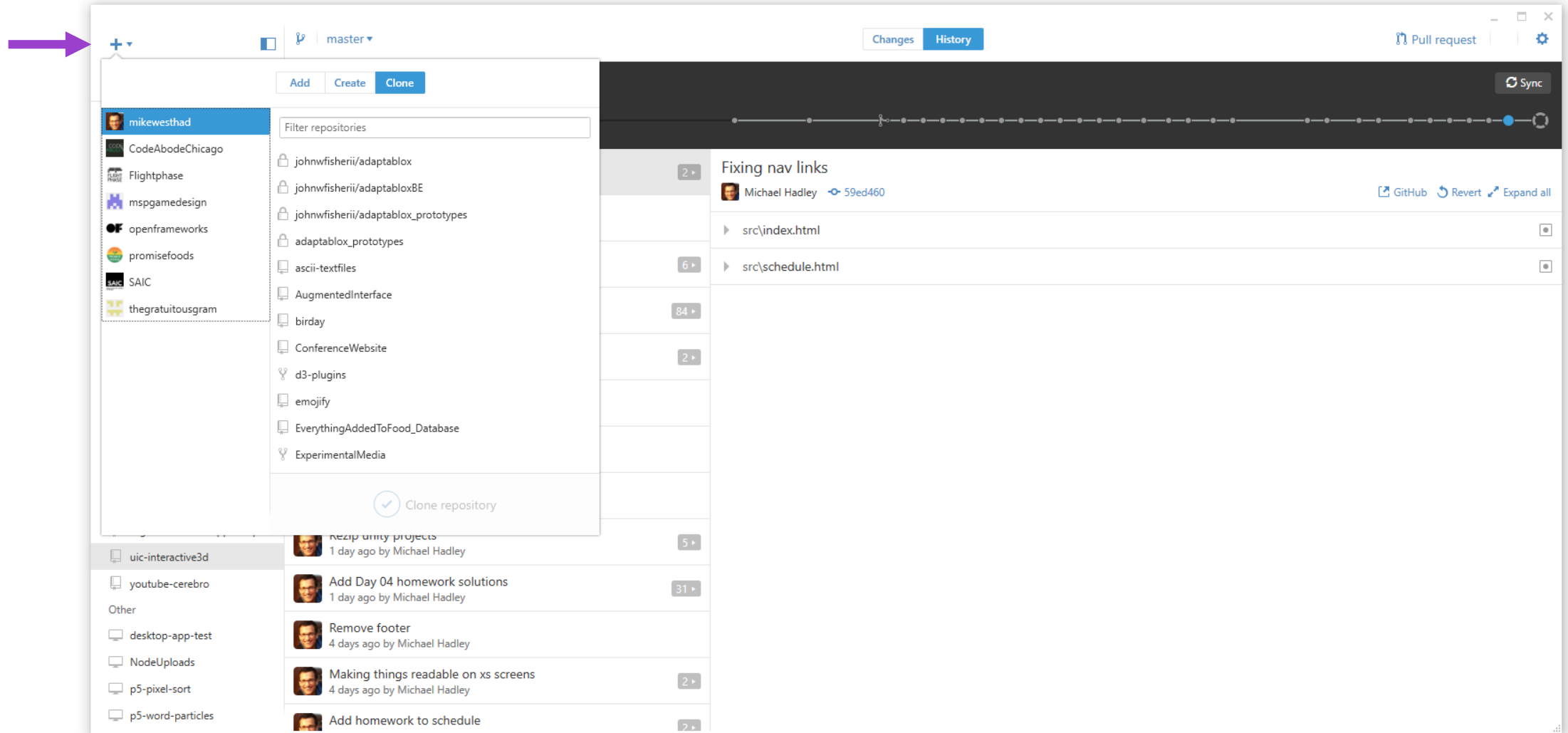
Launch automatic page generator

☒ **Enforce HTTPS** — Required for your site because you are using the default domain (`saicwebart.github.io`)
HTTPS provides a layer of encryption that prevents others from snooping on or tampering with traffic to your site. When HTTPS is enforced, your site will only be served over HTTPS. [Learn more.](#)



Local Setup

Clone Repository





Add Files and Commit

The screenshot shows the GitHub commit interface. At the top, there's a dark header with a 'Compare' dropdown and a progress bar. Below this, a list of files to be committed is shown, each with a checkbox. A purple arrow points to the first checkbox. The files listed are 'images\loading.gif', 'images\screenshot.png', and 'README.md'. Below the file list, there's a text input field for the commit message, a 'Description' field, and a 'Commit to master' button. A purple arrow points to the commit message field, and another purple arrow points to the 'Commit to master' button.

master

Compare

master

☒ 3 changes

☒ images\loading.gif

☒ images\screenshot.png

☒ README.md

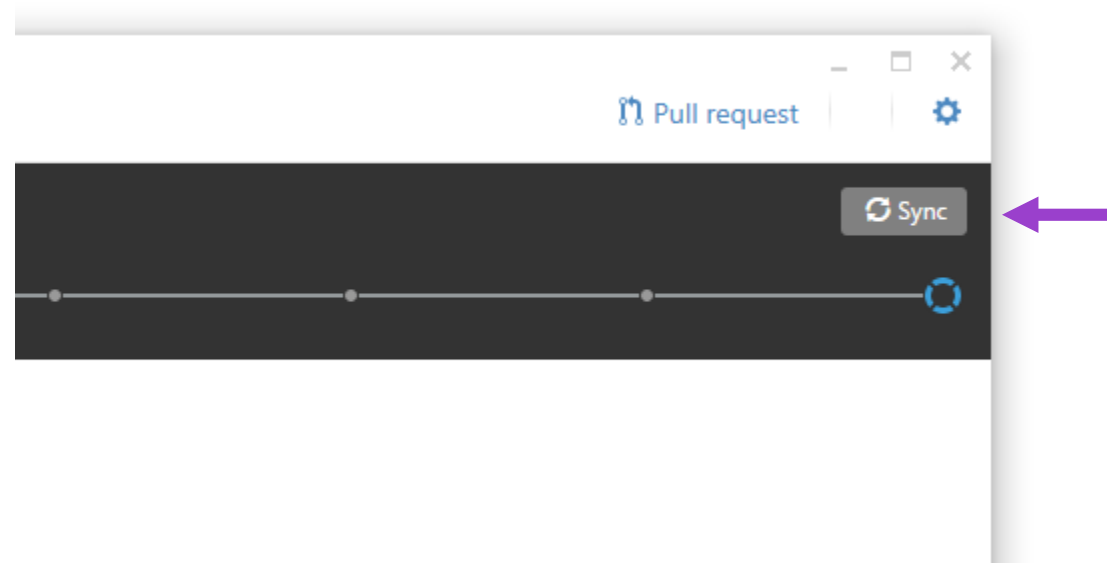
Updating README and adding some images

Description

☒ Commit to master



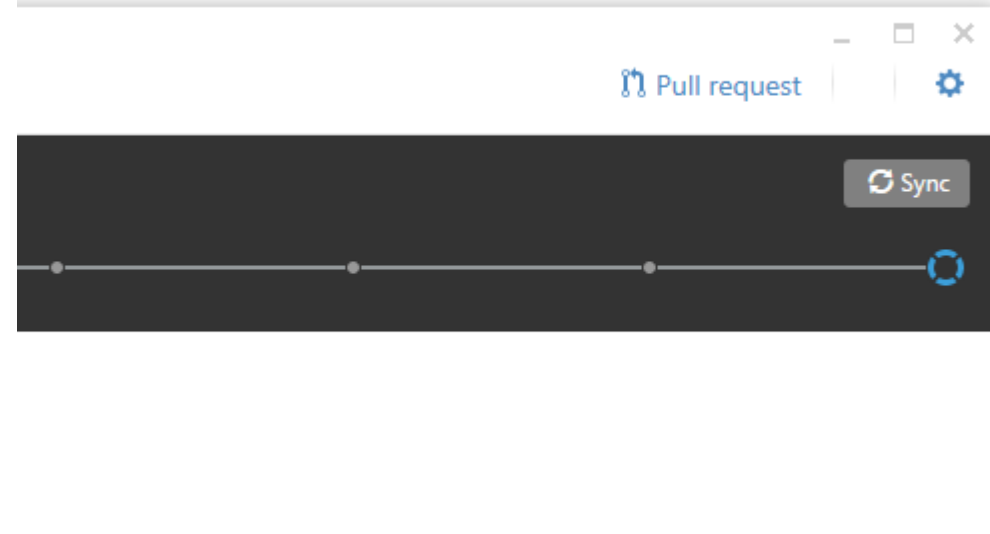
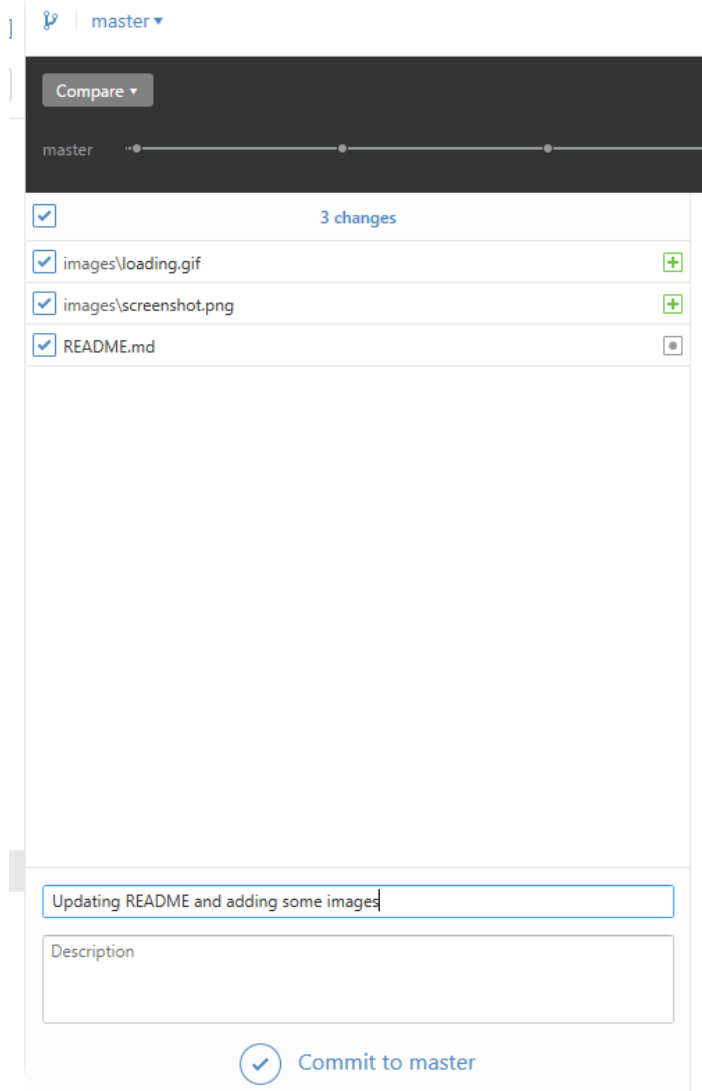
Sync Files to the “Cloud”





Repository (Website) Update

Repeat: Commit and Sync!



Extras

Quick start: Setting up a custom domain

There are three main stages to setting up a custom domain for your GitHub Pages site: choosing your custom domain and registering it with a DNS provider, adding your custom domain to your GitHub Pages site on GitHub, and configuring your domain with your DNS provider.

Tips: For more information about choosing a custom domain, see:

- › ["About supported custom domains"](#)
- › ["Custom domain redirects for GitHub Pages sites"](#)

- 1 Pick a custom domain and register it with a DNS provider (if you haven't already done so). A *DNS provider* is a company that allows users to buy and register a unique domain name and connect that name to an IP ([Internet Protocol](#)) [address](#) by pointing your domain name to an IP address or a different domain name. A DNS provider may also be called a domain registrar or DNS host.
- 2 [Add your custom domain to your GitHub Pages site.](#)
- 3 Set up your custom domain with your DNS provider. Our guides outline how to set up your pages custom domain with your DNS provider depending on the type of custom domain you have:
 - › [Setting up an apex domain](#) such as `example.com`
 - › [Setting up a `www` subdomain](#) such as `www.example.com`
 - › [Setting up an apex domain and `www` subdomain](#) such as `example.com` and `www.example.com`
 - › [Setting up a custom subdomain](#) such as `blog.example.com`

CMS with Jekyll



[GitHub tutorial](#)