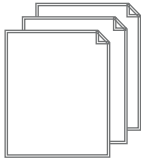


skillcrush

VERSION CONTROL, GIT & GITHUB

HOW THEY ALL WORK TOGETHER

KEY TERMS



VERSION CONTROL

is a system that records of all the changes you've made to your code files.



GIT

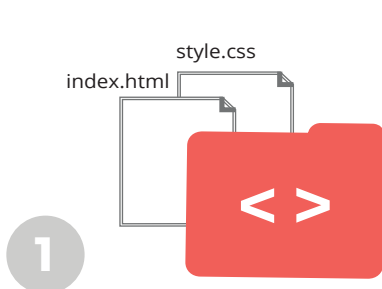
is a kind of version control software. You utilize it on your computer by using the **TERMINAL**.



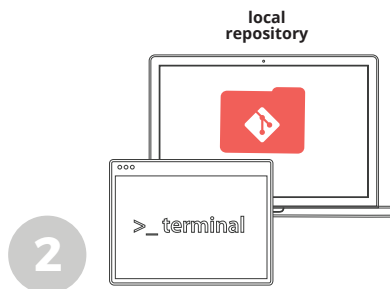
GITHUB

is a software as service (SAS) which allows you to host your code in the cloud.

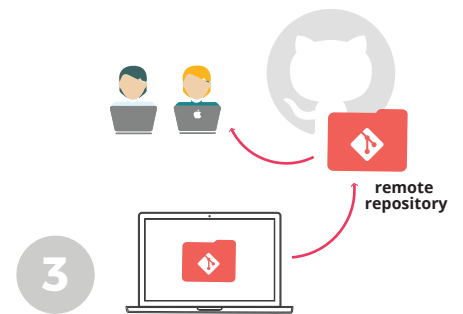
HOW IT WORKS



Let's say you're working on a website. When you start, you'll have a folder with some files on your computer – like index.html & style.css

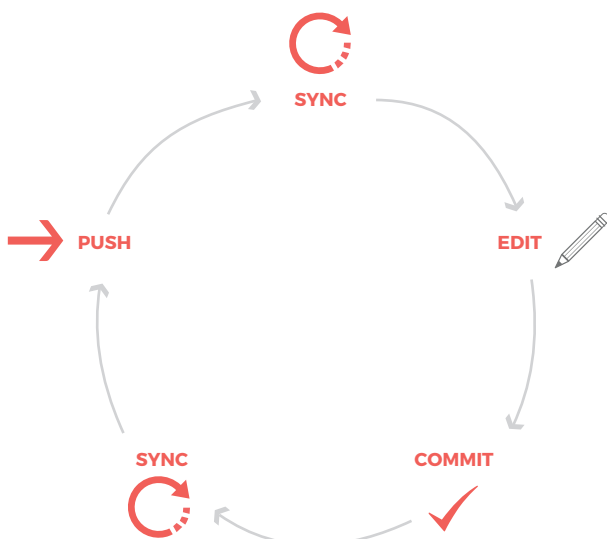


Using the terminal, you can turn that folder into a repository. A repository on your computer is called a **local repository**.



To make sure you have a backup of your files – and to make collaborating with other coders much easier – you'll want to create a matching repository on Github. This is known as your **remote repository**.

TERMINAL WORKFLOW



- 1 **SYNC** your local repository to your remote repository using ``git pull``.
- 2 **EDIT** your files in your local repository or branch.
- 3 **COMMIT** (or save) your changes to your local repository using ``git add`` & ``git commit``.
- 4 **SYNC** your local repository to your remote repository again using ``git pull``, to make sure you're up-to-date.
- 5 **PUSH** your changes to your remote repository using ``git push``.