

Front End Development

Session 2

Planning Our First *Website*

WELCOME.



Learning Goals

In today's session, we will:

01

Demonstrate how to access and use the command line

02

Set up a Github profile

03

Discuss the benefits of version control

04

Build out an HTML site for our portfolios



Q. What does "HTML" stand for?

Q. How can we examine website code on our computers?

Q. In HTML, what's the difference between the <head> and the <body>?

What HTML Tags Have We Learned So Far?

What does it do? How do we write it?



Doctype



Title



Headers



Paragraphs



Link Tags

Git Installations

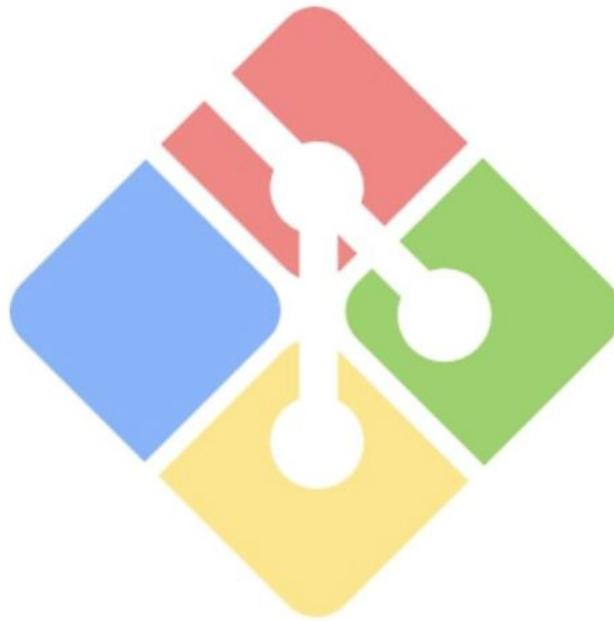
Git is for Everyone!

Let's install and set up our version control!



Windows Users Only!

“Git Bash” provides you with a terminal similar to Mac OS X



Github is for Everyone!

Set up and log into your Github.com profile



Github Desktop is for Everyone!

“Github Desktop” is a user-friendly way to work with Git and Github

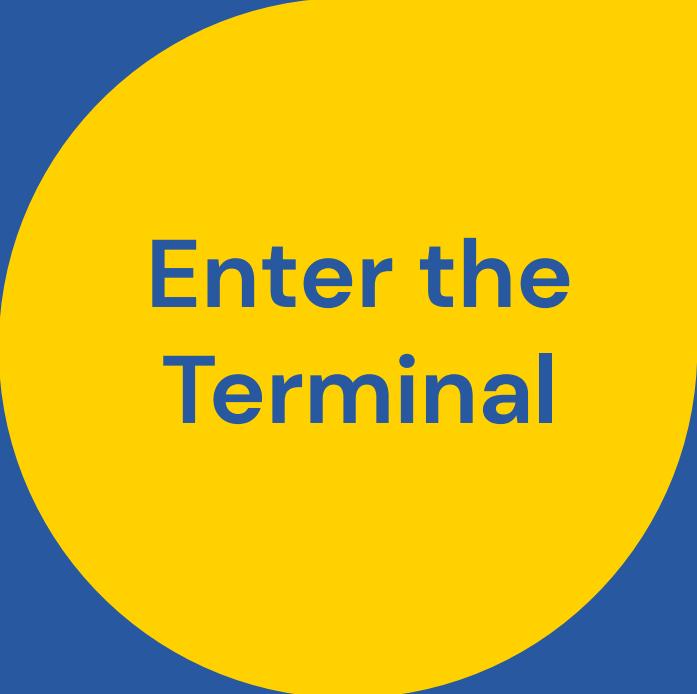


Desktop

Github Developer Pack for Students!

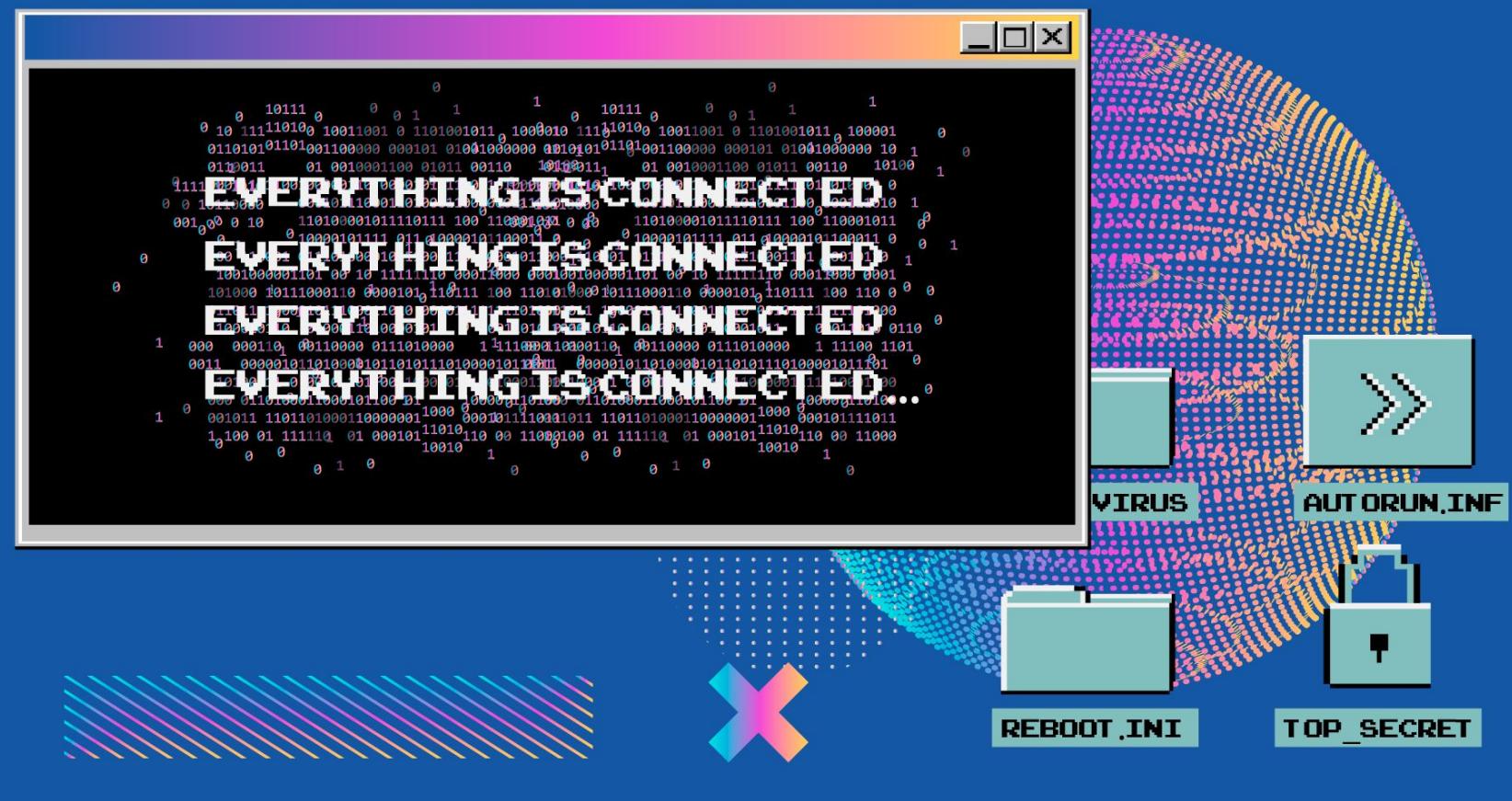
Github offers a free awesome bundle for registered students





Enter the
Terminal

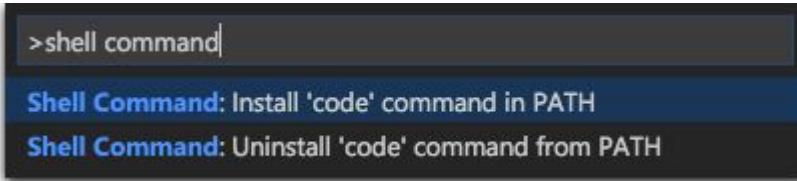
A Terminal is a Command Line Interface (or CLI)



Where Can I Find It?

MAC

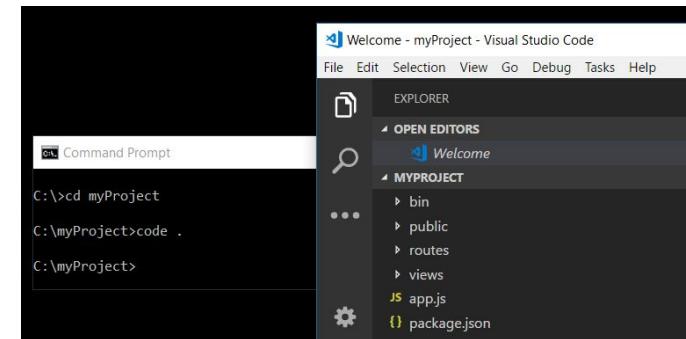
- Launch VS Code.
- Open the Command Palette ($\text{⌘} + \text{P}$) and type 'shell command' to find the **Shell Command: Install 'code' command in PATH command. macOS shell commands**



Restart the terminal for the new \$PATH value to take effect. You'll be able to type 'code .' in any folder to start editing files in that folder.

PC

You can launch VS Code from the command line to quickly open a file, folder, or project. Typically, you open VS Code within the context of a folder. To do this, from an open terminal or command prompt, navigate to your project folder and type `code .`:

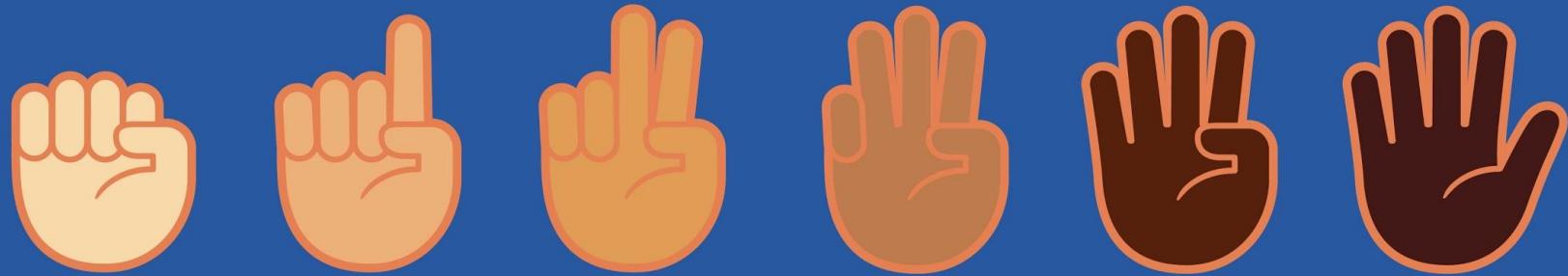




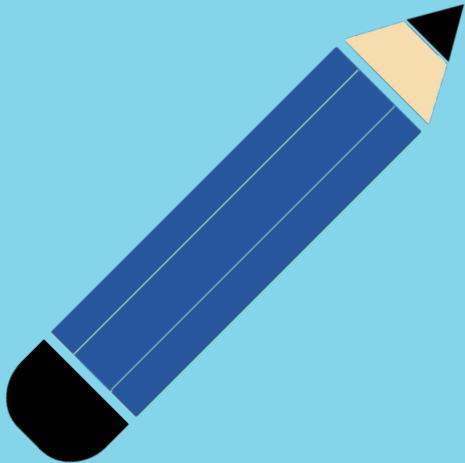
Instructor Demo: terminal/console

Suggested Time:
5 minutes





Fist to five



**Activity instructions are in Canvas for:
Console Commands**

Suggested Time:
10 minutes



Creating an HTML file using console commands

Using only the command line, create the following:



A new folder with the name of `FirstWebsite`



A new HTML file with the name of `index.html`



Next, use the CLI to open the folder containing your new HTML file.



Questions?

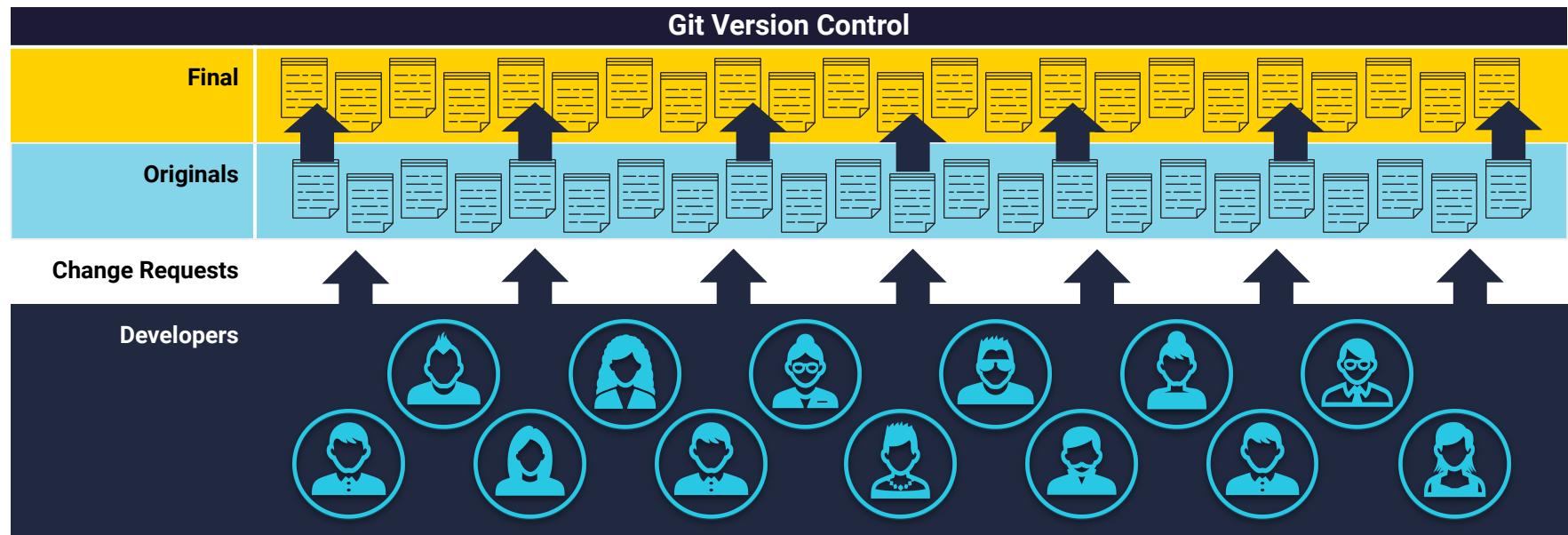


Welcome To Github

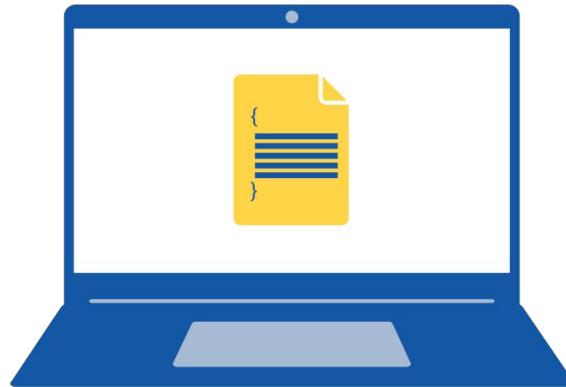


What is Git? Super-Powered Version Control.

Modern web development is *highly* collaborative. Teams are often extremely large and spread out across the country or world. Apps are sometimes made up of hundreds or even thousands of files.



Git vs. GitHub

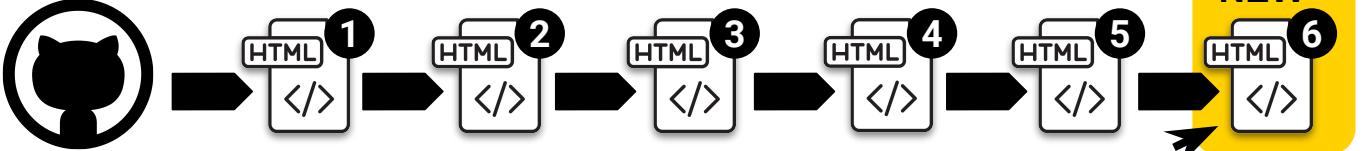
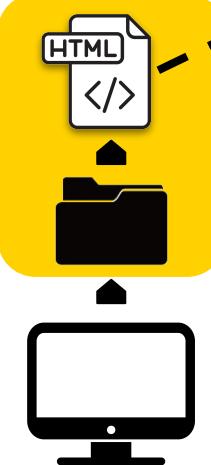


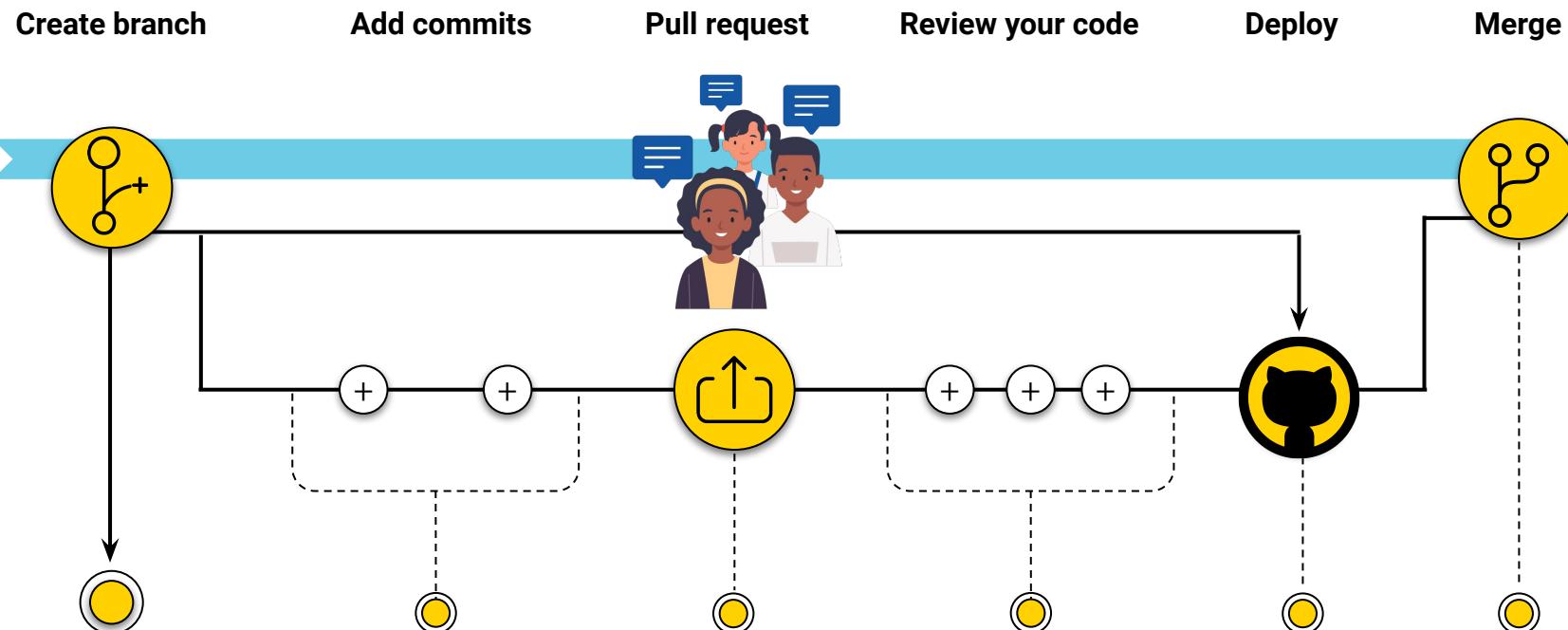
is a **version control system**
that lets you manage and keep track
of your source code history.



is a **cloud-based hosting service**
that lets you manage Git repositories.

The Importance of Version Control

GitHub (Version)	
Command	git push Local code files are added to GitHub. GitHub notes the new version.
Your Computer	<p>Local Code Files in Folder</p> <p>Local Project Folder</p> 



Staging, Saving, and Sharing Your Work

Memorize these three Git & Github Commands!

01

ADD

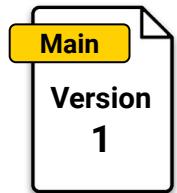
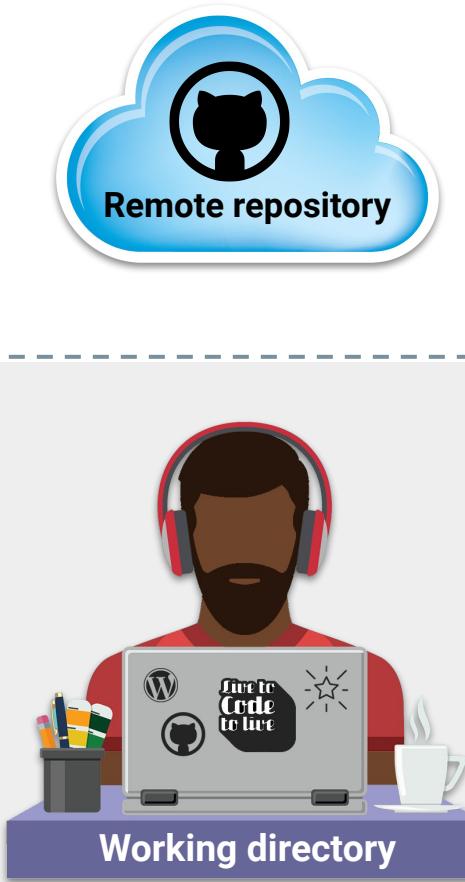
02

COMMIT

03

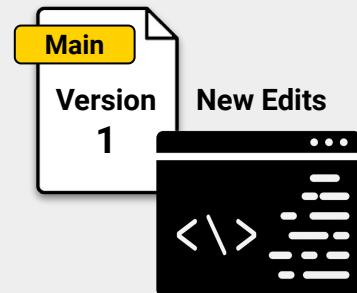
PUSH

Git Add



Staging area is the where you edit the files that will be part of the next commit.

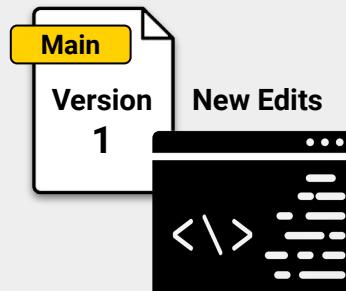
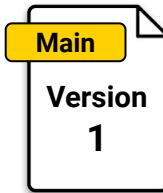
Staging area



git add

Adds your edits to be committed later.

Git Commit



Staging area is the where you edit the files that will be part of the next commit.

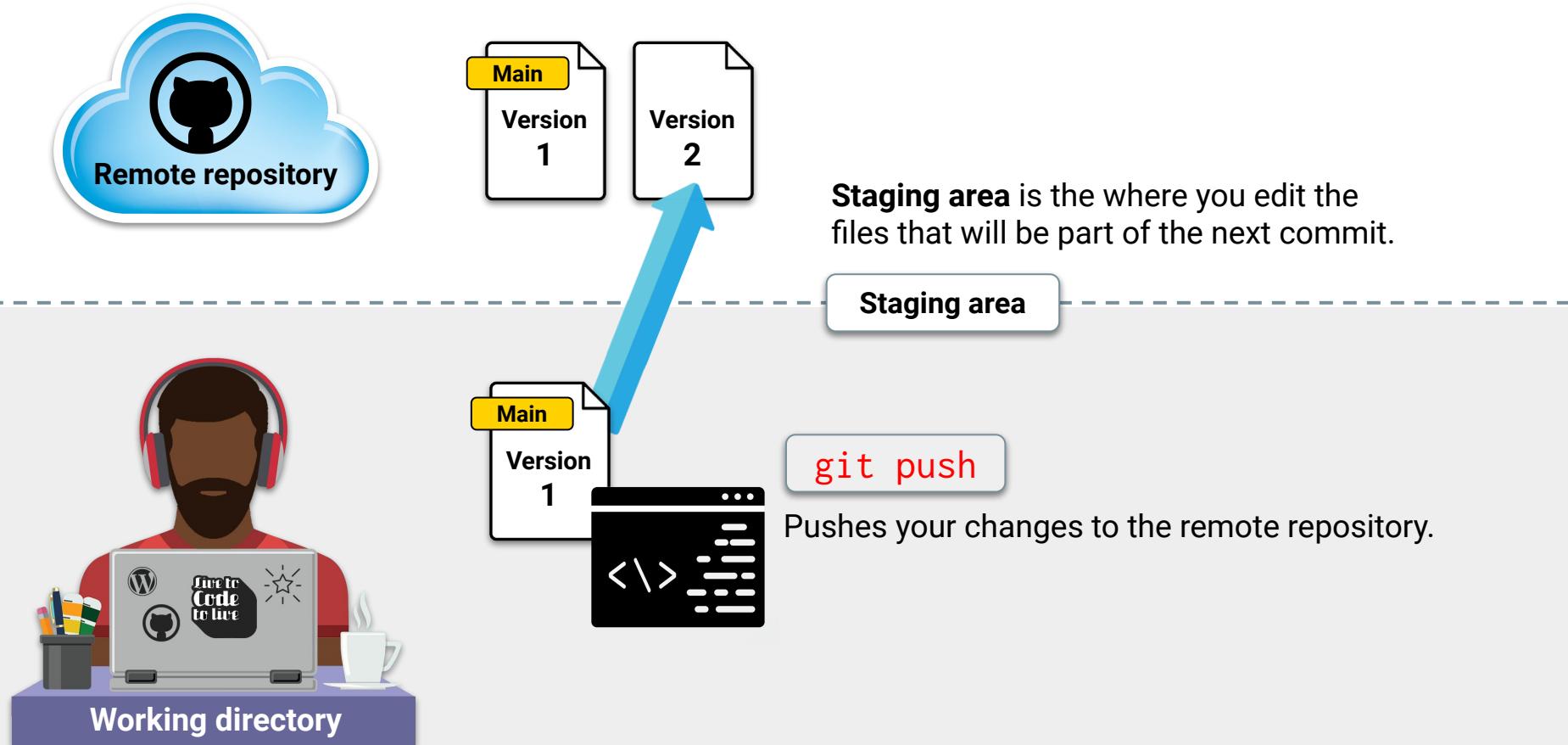
Staging area

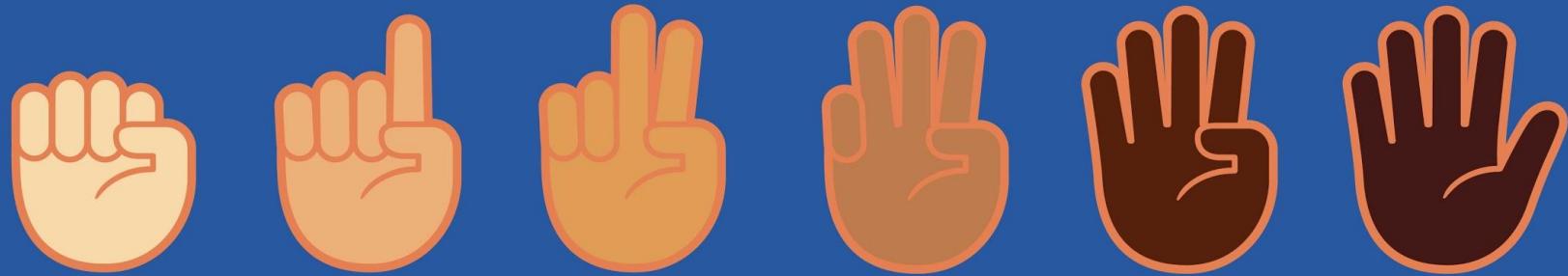
git commit



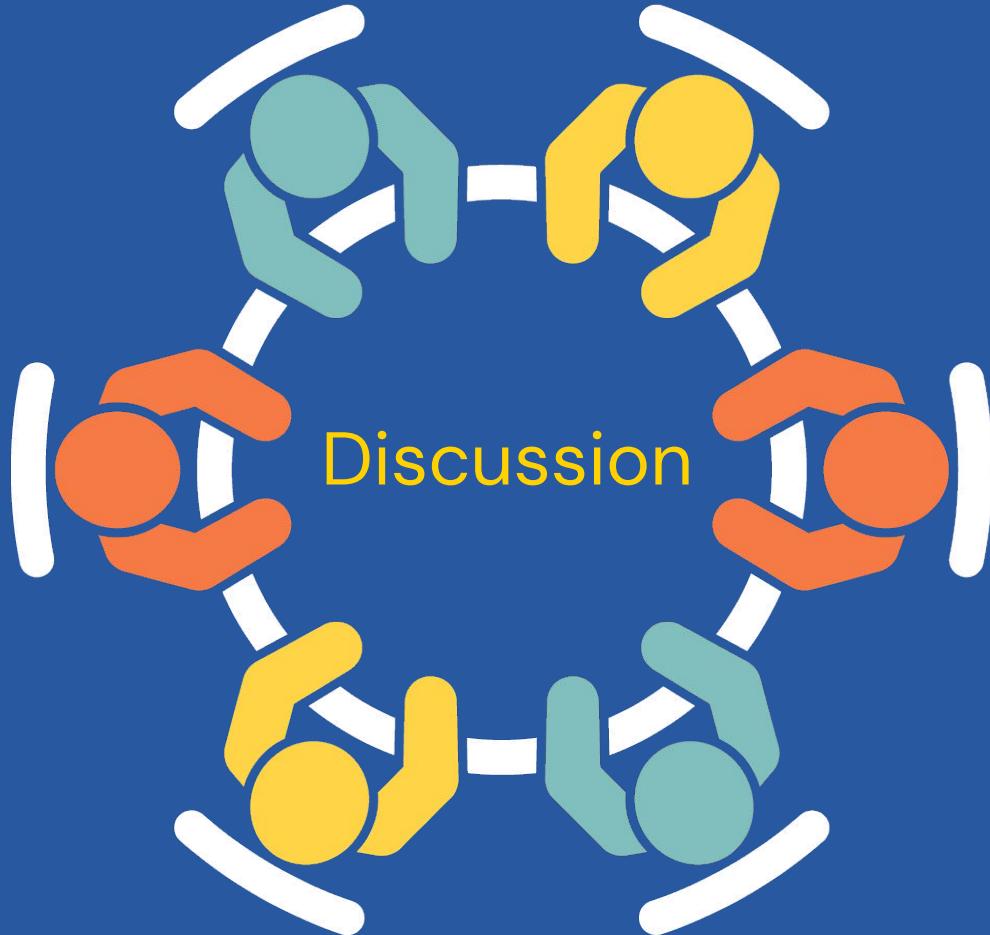
Your staged changes are saved once you commit.

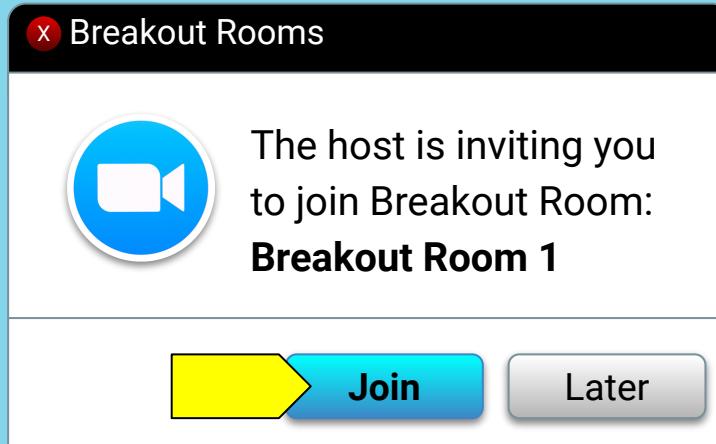
Git Push





Fist to five





Zoom Breakout Room Activity:

- Define version control
- Discuss some of the benefits
- Explain how Git and Github work together

Suggested Time:
10 minutes



Questions?



Let's



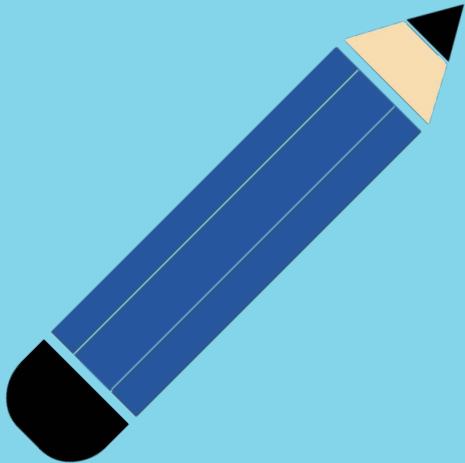
Setup GitHub Pages

Suggested Time:
25 minutes





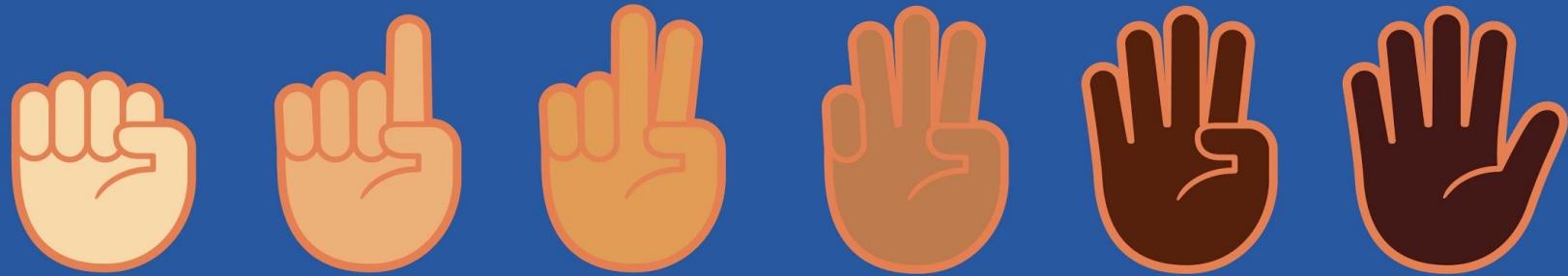
Workshop



**Activity instructions are in Canvas for:
Kick Start Your Portfolio**

Suggested Time:
90 minutes





Fist to five

A large yellow circle is centered on a dark blue background. The circle's diameter spans from approximately the 285 mark on the left axis to the 655 mark on the right axis.

Time to
Recap

Learning Goals

Our objectives for today's session were to:

- 01 Demonstrate how to access and use the command line
- 02 Set up a Github profile
- 03 Talk about the benefits of version control
- 04 Build out an initial HTML site for our portfolios

Reflection

What was your favorite part of today's session?

What was the most interesting thing we covered today?

What do you still have questions about?





Sneak Preview

Tomorrow we'll be learning how to **use CSS**
to add some **style to our HTML pages!**

Questions?



*The
End*