

Welcome to Git

Intro to Git and Git Fundamentals

4/01/2019

// FLATIRON SCHOOL



// Introduction to Git & GitHub

// Be able to fork a repo on GitHub

// Be able to clone a repo from GitHub

// Be able to git add

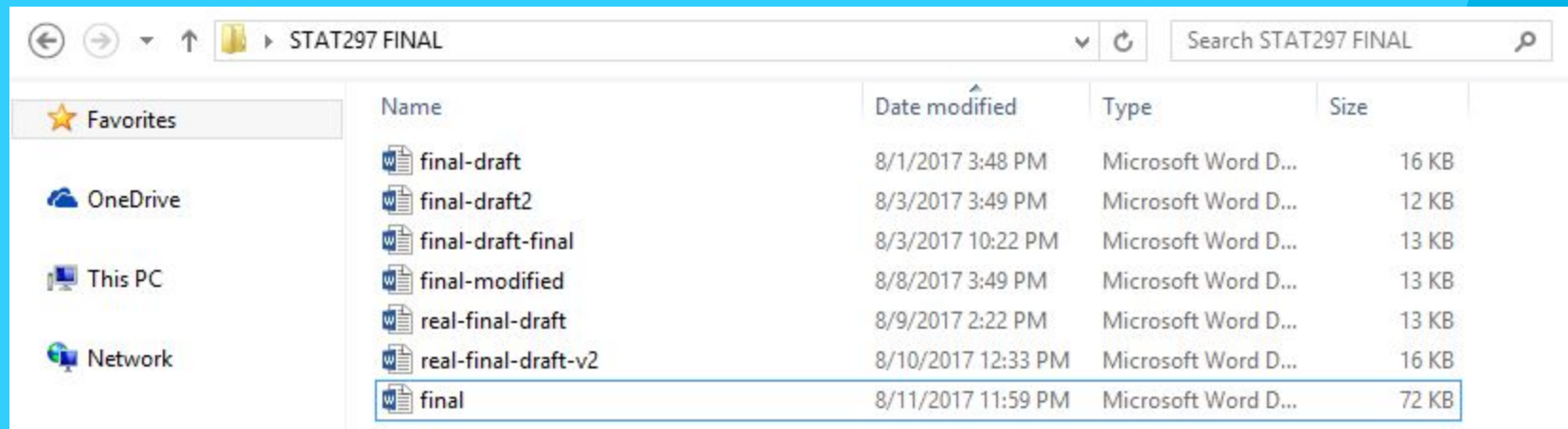
// Be able to git commit (with meaningful messages)

// Be able to git push

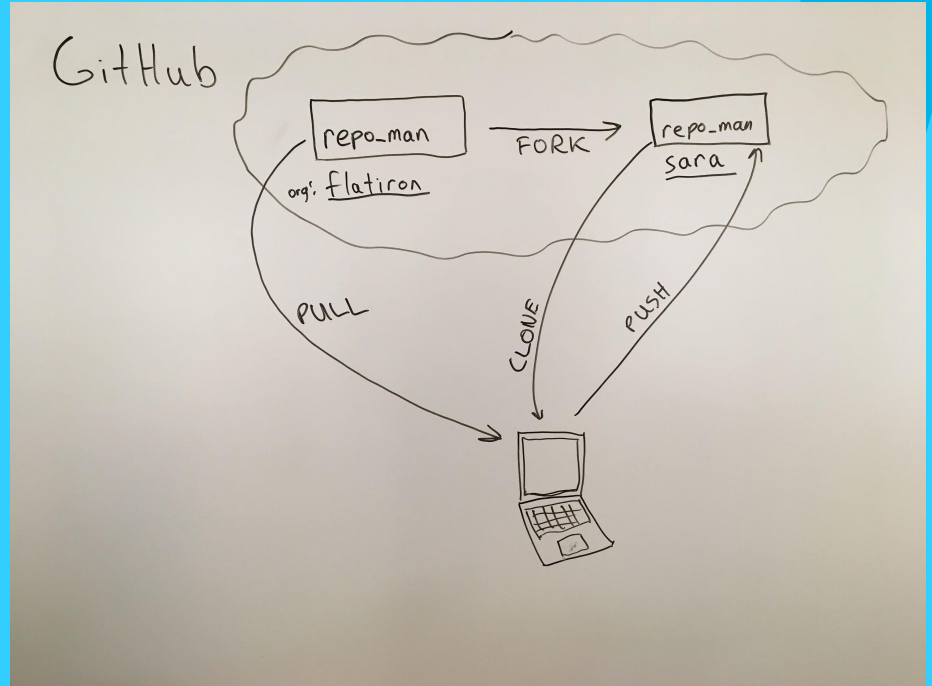
// Be able to git pull down changes



How many of you have seen a folder like this?

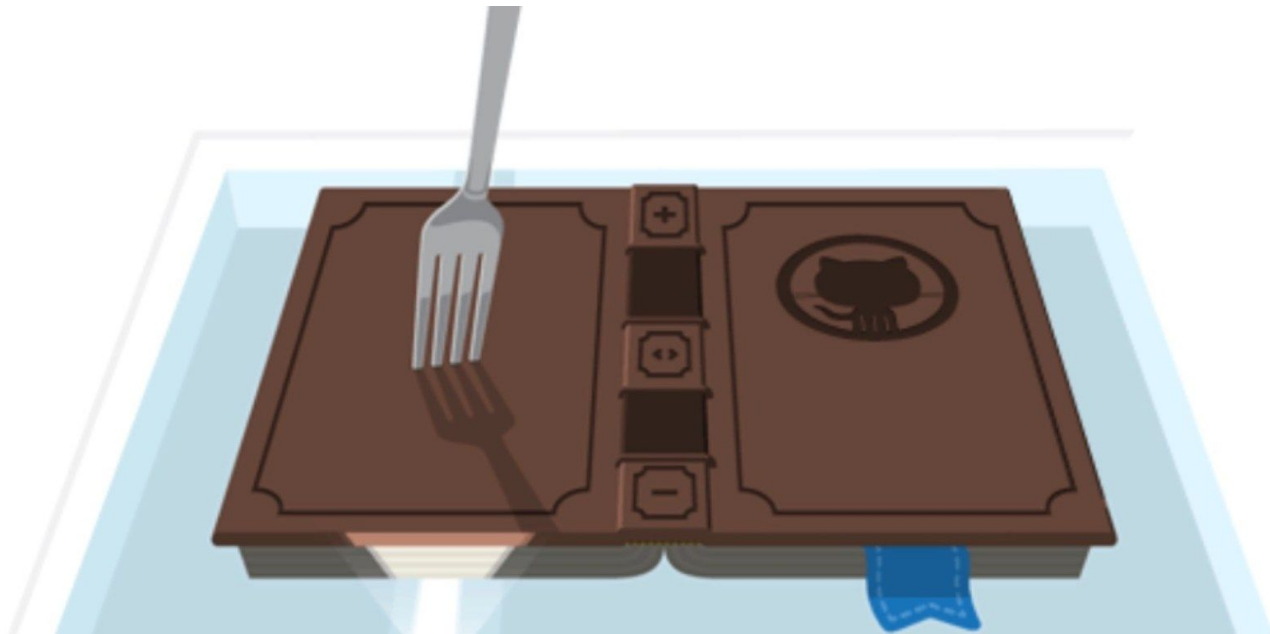


Version control is a system that records changes to a file or set of files over time so that you can recall specific versions later



Fork a repository

Forking a repository allows you to freely experiment with changes without affecting the original project



Clone a repository

You can clone your repository to create a *local* copy on your computer and sync between the remote version on GitHub and your newly created version on your local machine

```
$ git clone https://github.com/cenuno/first_day.git
```

Make local changes

Modify the my_intro.txt
file so that the text is
true to you

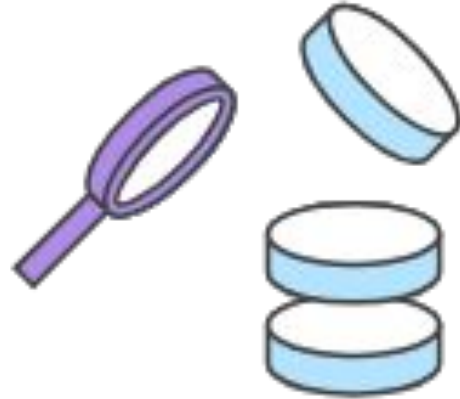
Name:	Cristian E. Nuno
Email:	cristian.nuno@flatironschool.com
Favorite Place:	Hakone, Japan
Favorite Food:	Lou Malnati's Deep Dish Pizza
Astrology sign:	Cancer

git status

You want to obsessively use it to track your files and make sure things worked

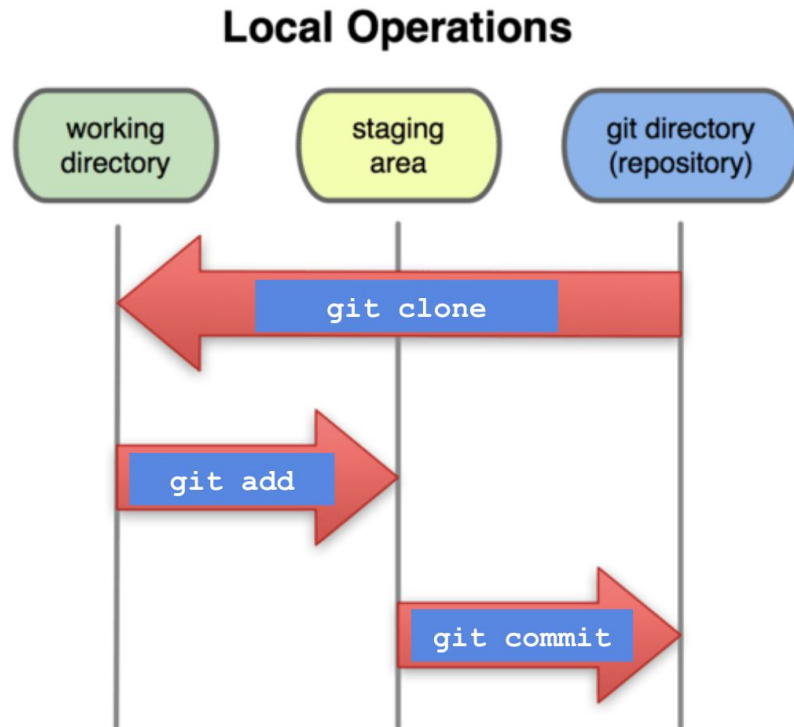
Green represents files that are staged for commit

Red represents unstaged files



git add my_intro.txt

Adds the file to your local repository and stages it for commit

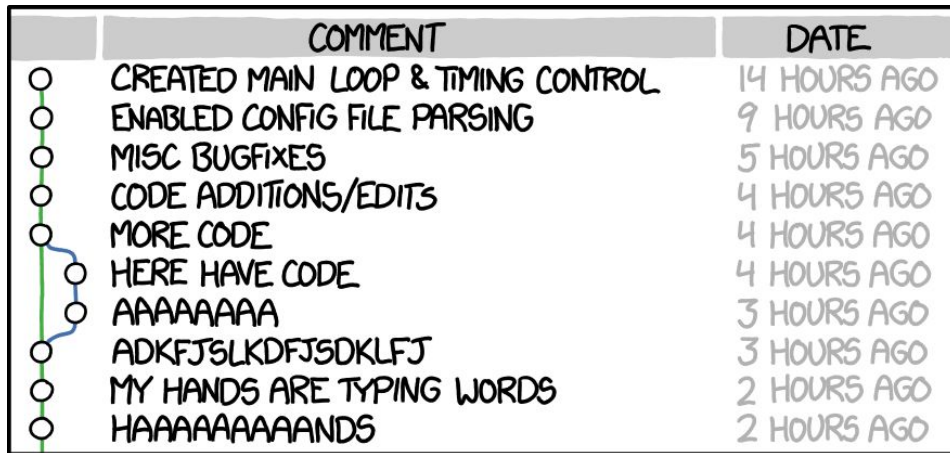


git commit -m "put meaningful stuff here or else"

Commits the tracked changes and prepares them to be pushed to a remote repository

Commit messages should....:

- Start with a verb in the present tense, imperative mood
- First line is the most important line, high-level summary
- If I apply this commit, it will X
 - "Add spell check feature"
 - "Fix super awful bug written by Cristian"
 - "Refactor for loop logic to be more efficient"
 - "Add my personal information"
 - "Update URLs in README.md"



	COMMENT	DATE
○	CREATED MAIN LOOP & TIMING CONTROL	14 HOURS AGO
○	ENABLED CONFIG FILE PARSING	9 HOURS AGO
○	MISC BUGFIXES	5 HOURS AGO
○	CODE ADDITIONS/EDITS	4 HOURS AGO
○	MORE CODE	4 HOURS AGO
○	HERE HAVE CODE	4 HOURS AGO
○	AAAAA	3 HOURS AGO
○	ADKFJSLKDFJSDKLFJ	3 HOURS AGO
○	MY HANDS ARE TYPING WORDS	2 HOURS AGO
○	HAAAAAAAAANDS	2 HOURS AGO

AS A PROJECT DRAGS ON, MY GIT COMMIT
MESSAGES GET LESS AND LESS INFORMATIVE.

git push origin master

Pushes the changes in your local repository up to the remote repository you specified as the origin

In case of fire



1. `git commit`



2. `git push`



3. leave building

Programmers protocol

git pull origin master

Grabs online updates and merges them with your local work

