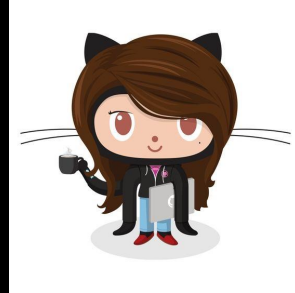
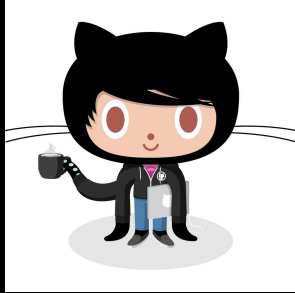


Github 101



Learning Objectives

- Explain what version control is
- Describe the difference between git and github
- Understand the components of a github repository
- Push a simple website up to github
- Pull a simple website down from github

What is Github

- Social networking site used for backing up and sharing your code
- Access to thousands of open sourced projects
- Used for tracking changes in projects and project management

- What does version control mean to you?
- When have you used version control previously?
- What was frustrating about that experience?
- How did it work if you were collaborating with other people?

- **VERSION CONTROL** - A system that records changes to a file or a set of files over time so that you can recall specific versions later

PTC 624 Assignment 16.doc - Microsoft Word

File Edit View Insert Format Tools Table Window Help

Final Showing Markup

Normal

Break...
Page Numbers...
Date and Time...
AutoText...
Field...
Symbol...
Comment
Reference...
Web Component...
Picture...
Diagram...
Text Box...
File...
Object...
Bookmark...
Hyperlink... Ctrl+K

Assignment 16. Editing Bibliographic Material

Directions: Please edit and revise the passages below, making sure to provide specific instructions for your revision suggestions.

Page 1: Use MLA format for these Works Cited entries.

Franz, *Anthropology and Modern Life*. New York: W. W. Norton, 1928. **Print**

s, Alan C. "Putting Readers in Their Places: Some Alternatives to Cloning Stanley
Fish." *College English* 42.3, (1980) 228-36. **Print**

Ravitch, Diane. "Testing and Accountability, Historically Considered." *School
Accountability: An Assessment by the Koret Task Force on K-12 Education*. Ed.
Williamson M. Evers and Herbert J. Walberg. Stanford: Hoover Institution Press,
2002. p. 21. **Print**

Spellings, Margaret. "A Test of Leadership: Charting the Future of U.S. Higher
Education." U.S. Department of Education. *ED.gov*. Sept. 2006. **Web**. 20 June

Deleted: New York,
Deleted: and Company
Deleted: (1980).
Comment [ST4]: Please note that (...
Comment [ST5]: The year, within (...
Formatted (...
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Draw AutoShapes

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What is Git

- Commands and phrases Github uses to control your projects and manage versions
- Allows you to decide what changes you want to save in your 'Final' project version
 - Keeps track of those changes so you never lose anything
- All commands start with the word 'git'

Why Use Github?

- Solidifies a connection between your projects on your computer and projects on github
- Never need to worry if you've lost your code
- Accidentally make a mistake? You can revert back to a previous version
- Easy to contribute/share projects with other people

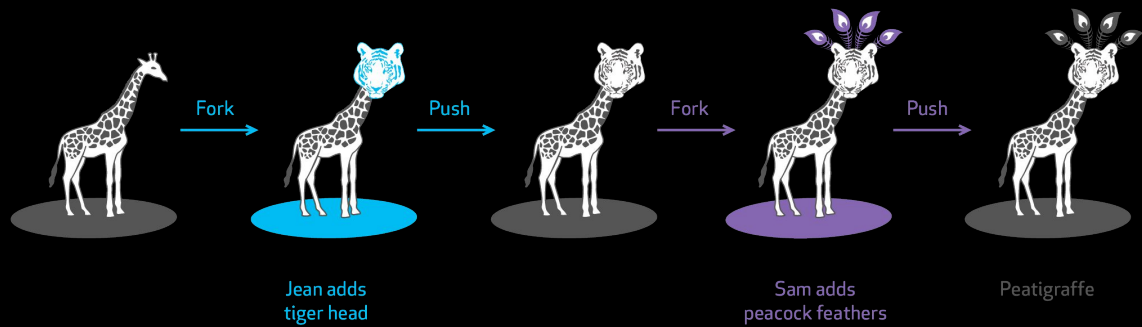


git

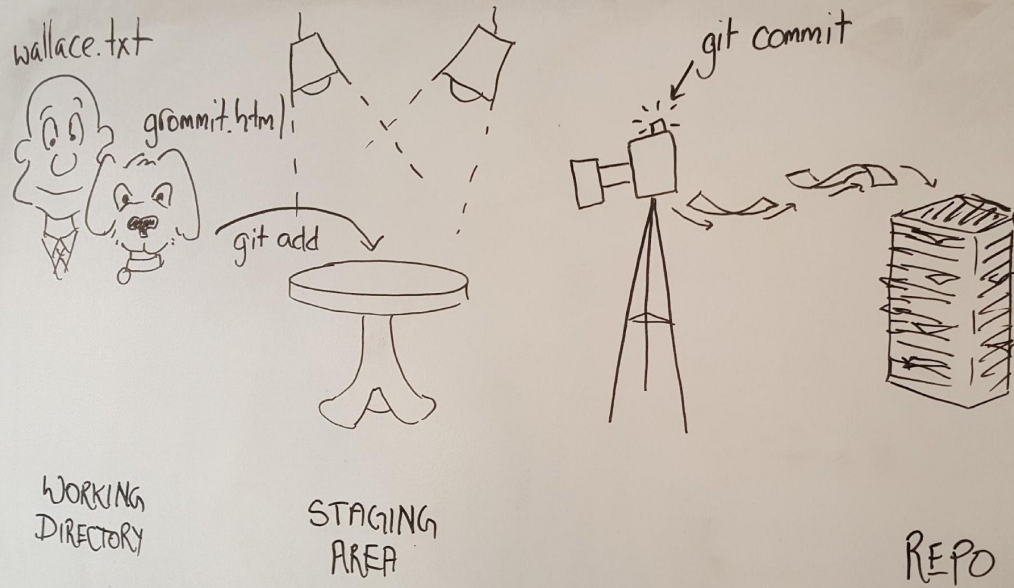


github
SOCIAL CODING

How to use github



peacock feather, tiger, giraffe from The Noun Project



Let's Setup Github

<https://github.com>

How to speak git

Commit Early, Commit Often

- Commits are an opportunity to save your progress
- Records the set of changes to your project at that point in time
- Allows you to go back if need be to your original code



	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
○	AAAAAAA	3 HOURS AGO
○	ADKFJSLKDFJSDKLFT	3 HOURS AGO
○	MY HANDS ARE TYPING WORDS	2 HOURS AGO
○	HAAAAAAAAAANDS	2 HOURS AGO

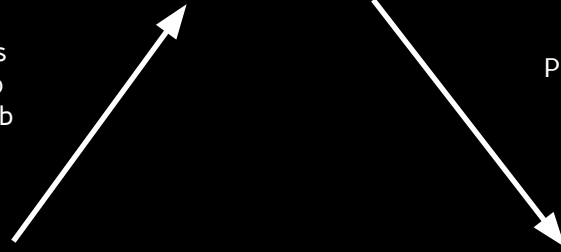
AS A PROJECT DRAGS ON, MY GIT COMMIT
MESSAGES GET LESS AND LESS INFORMATIVE.

Github repository

PUSH- Your Changes
made on your laptop
to save them in github

PULL- Changes you
make only online

My project
(saved locally on my laptop)



Repository: A place where your project folders are stored

Commit: Changes you have saved

Pull: Fetching changes (commits) and merging them into your local version

Push: Sending changes (commits) to a remote repository on github to be incorporated into the project

Fork: A copy of a project folder that you can view and edit on your personal github profile page (independent but linked to the original source)

Lets look at this in github

Exercise 1: Download something

1. Find my github-101 repository
2. Download my presentation
3. IF TIME: Add an issue.

Exercise 2: Download git/setup

Windows

- Go to <http://git-scm.com/download/win> & download will start
Note: this is a project called Git for Windows, which is separate from Git itself
- You will be prompted to choose Git Bash or Run Git From the Windows Command Prompt

Mac

- Download the latest git for Mac installer
<https://sourceforge.net/projects/git-osx-installer/files/>
- Open your command prompt git --version to check to see if it worked

Exercise 2: Setup

Setting your user name and email address:

```
git config --global user.name "Your Name Here"
```

```
git config --global user.email your.name@example.com
```

Exercise 3: My first project

- Make a new repo (folder) on your desktop

mkdir new-project

- Move to that folder

cd new-project

- Create some file

touch Readme.md

- Start git

git init

Thanks for coming



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@lauren_cjay