Git Basics

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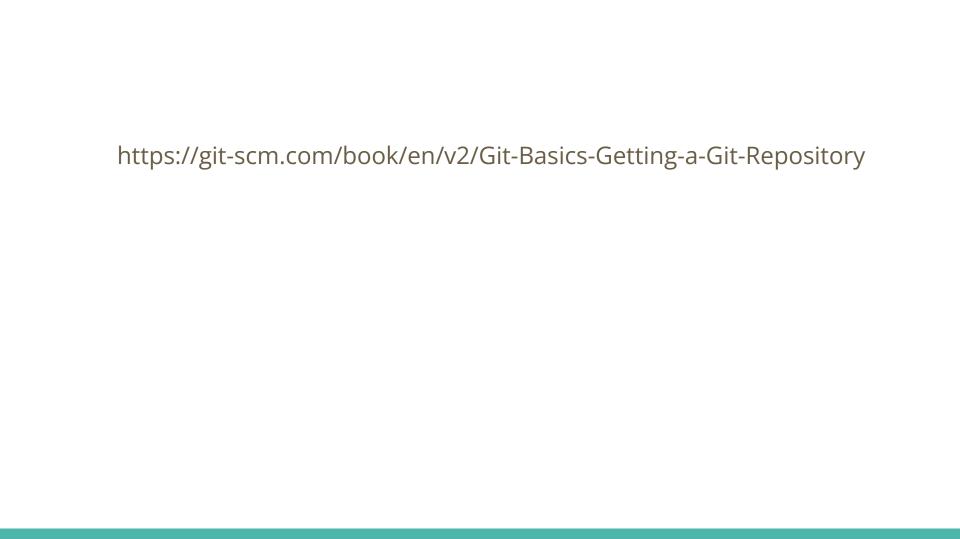
Git Pull

Navigage to https://github.com/the-Coding-Boot-Camp-at-UT/UTA-VIRT-BO-FSF-PT-04-2022-U-B

git clone <ssh link>

After a change is introduced to the cloned repository, you can git pull to receive the updates on your local machine.

git pull

(You might get a warning message, in which case for now you can run git config --global pull.ff only as a short fix. More on this here https://salferrarello.com/git-warning-pulling-without-specifying-how-to-reconcile-divergent-branches-is-discouraged/)

https://git-scm.com/book/en/v2/Git-Basics-Getting-a-Git-Repository

Git

- Enables us to track and store versions of content i.e. codebase
- Creating a repository is an important step of the development process and should be done at the start of every project
- Last class we:
  - Created a repository on Github and git cloned it to our local machine
  - Created an html file and pushed it up the repository on Github

Today we will take a local project and turn it into a git repository and push it up to Github.

Step 1 : make a local repository

git config --global init.defaultBranch main (run this command only once to configure git)

mkdir bootcamp
cd bootcamp
mkdir git-init-sample
touch index.html
git init
git status
git add index.html
git commit -m "add index.html file"

You now have this project under version control locally, but there is no upstream repository.

Step 2: push the local repository up to Github

github.com

Click "New Repository"
Enter same name, git-init-sample
Leave boxes empty, we are importing an existing repository

git remote add origin git@github.com:<username>/git_init_sample.git

git branch -M main

git push -u origin main

Subsequent "pushes" can be done with "git push"

Take a look at the repository on Github.com, your files have been pushed up!

Review

How does this process differ from what we did during the welcome session?

What is the purpose of git init ?

What is the difference between git push and git pull ?

What is version control and why is it important?