Gitting Started

No that's not a typo; it's a terrible pun. This document is about how to get the website downloaded onto your group and how to update when you've made some changes. We're going to use Git to do that.

As a reminder, Git is a file version manager that was created to make it easier for programmers to work together on large apps.

Cloning

This is a one-time operation. You won't do this again. The app is stored in a Github repository. Github is a cloud-solution for storing app code so in case you spill water on your laptop, the code is not lost forever.

1. In your File Explorer, navigate to the Documents folder and make a new folder called development.

2. Open VS Code and open a terminal. Type the following and then press the *TAB* button.

$ cd ~/Docum

3. The line should now read something like *cd C:\Users\sblwi\Documents* where *sblwi* is some semblance of your username. Type deve, and then press TAB. What you should now see is something like *C:\Users\sblwi\Documents\development*. Press ENTER.

4. The cd command means to change directory, and so you are now in the folder *\Users\sblwi\Documents\development*. Run the following. This will create a new folder called *sanders* and download the Sanders website into it. It may take a while the first time, but Git will track changes and only download and upload changes from now on.

$ git clone https://github.com/schoork/sanders.git

5. CD into the sanders directory by running:

$ cd sanders

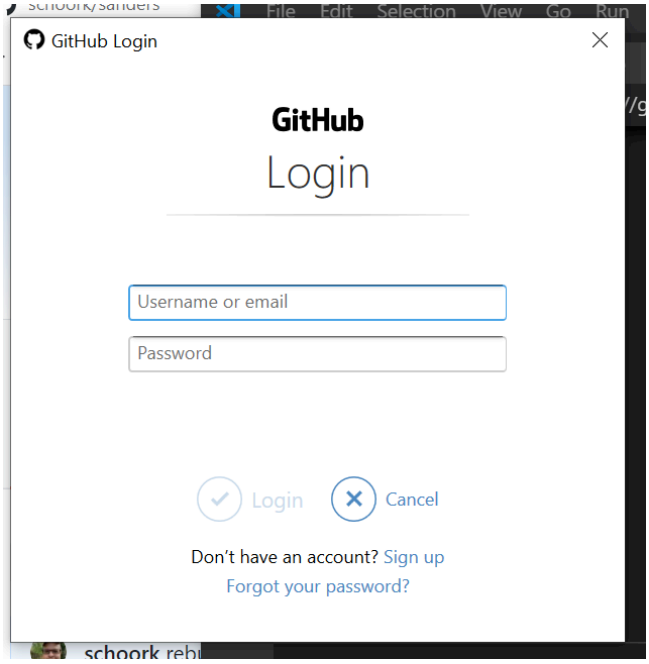
Setting Credentials

Since *sanders* is a public repo, you can clone it with no issues, but to push to it you will need some credentials. This is also a one-time operation.

1. Run the following.

$ git push

2. This will give you a pop-up asking for your Guthub username and password. If you have a Github account, type them in. If you don't have an account, you will need to make one.



3. Once you have an account you will need to be added as a collaborator to the sanders repo. Send a text or email to the maintainer of the repo with your Github username. When that is done you should be able to run the *git push* command again and you won't have to enter your username or password again.

Common Git Commands

There are four common Git commands that you will use.

1. *git pull* - retrieve any new changes from the Github repo; run this FIRST every time you sit down to work do some work on the website, it's not required but it makes things easier
2. *git add .* - adds all new changes so they can be committed and then pushed
3. *git commit -m "xxx"* - commits changes to the branch so they can be pushed to the Github repo; 'xxx' is a very short description of what you did (it's not that important what it is)
4. *git push* - sends any new changes to the Github repo

There is a file called *deploy.sh* that takes care of the adding, committing, and pushing commands for you. When you are ready to send your changes to the real site and make them live, you can run the command:

$ ./deploy.sh