**Git Cheetsheet**

**First setting up**

After you download git, you will have a tool called 'git shell'. You will need to open this to work with github.

When first setting up the project, you need to clone the repository to your local workspace.

The only commands you really need to know prior to learning the few git commands you'll learn here is 'ls' and 'cd' .

* 'ls' is short for 'list' as in 'list all files in my current directory'
* 'cd' is short for 'change directory' which navigates you through your files.

In the git shell, navigate to the folder you want the project to be placed in:

**$ cd path/to/directory**

When you're in the directory and ready to import the folder, clone the repository. The milk repository is (<https://github.com/IsoLennox/MILK.git>)

**$ git clone** [**https://github.com/IsoLennox/MILK.git**](https://github.com/IsoLennox/MILK.git)

Now the files will download into the directory you are in in a older called 'MILK'

now to prepare these files to be modified, and every time you create/insert a new file or documents/images into this directory, you will add them to your working files:

**$ git add \***

This adds all files to the "watch" so that when you're ready to commit and push files, it includes them.

You will want to open files through the command line to ensure you are working on the pulled files.  Let's set up your text editor.

I've set up git to open Brackets by default:

**$ git config --global core.editor "\"c:\Program Files(86x)\Brackets\brackets.exe\""**

But you can use this same command to set up Sublime, or Notepad++, etc.. as long as the file path to where it's installed is correct.

Now you're set up to start working on your files!

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**Working on Files**

When you open up the files to start working, it is always a good idea to "pull" the most recent files that have been "pushed" (put up on the server):

**$ git pull origin master**

Then to open files:

**$ .\index.php --edit**

This will open index.php in whichever text editor you set up. You should be able to see any changes made.

It will be a good idea to make a branch, which is kindof like a 'sandbox' or 'testing' site, so you can work on the files and not worry about messing anything up.

When creating a branch, it copies everything from the 'master' branch which is your main branch.

You can name the branch whatever you want while you create it:

**$ git checkout -b LaRhea**

You will now see that you are in a branch called LaRhea!

now look at your files:

**$ ls**

You will see all the files are there. Open one and make a change:

**$ .\index.php --edit**

Save it and then "Commit" it, which is like saving it in the command line.

**$ git commit -a -m "Message about what I changed"**

Switch to your 'master branch':

**$ git checkout master**

now open the same file:

**$ .\index.php --edit**

**WHHHAAT.** Your changes are not there! If you switch back to LaRhea, and open the same file, your changes are there. it's a parallel universe!

To see your branches:

**$ git branch**

Now, if you like your changes in LaRhea, and want to merge/back them up into your master branch.

If you are not in the master branch, switch to it:

**$ git checkout master**

And then merge the files:

**$ git mergeLaRhea**

YAY! You see all of your changes. And you still have a sandbox for later endeavors.

If you are done for the night, you can make sure to commit everything:

**$ git commit -a -m "Message about what I changed"**

**(unless you added new items, then say *$ git add \**first)**

Then you will be ready to push all of your changes to the server for the rest of the team to see!

**$git push origin master**

Well done.