How to Use GitHub:

Gitbash/Msys2/Raspberry Pi

Github Commands--------------------------------------------------

**cd**: changes your current directory and tells the Path where your files are located

**ls**: show a list of all the files on your laptop

**git clone url for repo**: clone the repo that you want on your laptop

Example: git clone git@github.com:StevensDeptECE/cpe-390hw-jjohn9000.git

**git remote -v**: shows any other files from github

**git status**: shows any changes you made

**git add .** : adds every change you made

**git add (filename)** : Adds the changes you made to a specific file

**git commit -m “(write something here)”**: commits the changes you made, and the message is used to let others what you were working on

**git log**: shows you activity on that repo and the times you pushed or pulled

**git push**: push all your local changes to your repo online

**git pull** : Pulls all files from your repo to a device such as your laptop or Raspberry Pi (For example, if you were working on your Pi and wanted to add the changed files to your laptop)

Github Setup On Gitbash-------------------------------------------

First time setup:

1. Go to Git bash
2. Type cd ~/Desktop/
   1. You can choose where this file goes, so it does not have to go to the Desktop, but in this example the repo is going to the Desktop
3. Type git clone <url here> for repo
4. Type cd (name of the file that was just cloned/ This will go to the repo you want)
   1. Example cd cpe-390hw-jjohn9000
   2. The files will now be on your desktop
5. Type git remote -v
6. Type ls
7. Type git status
8. Type git add . or git add
9. Type git commit -m “ “
   1. If you forget to put a message use this:
      1. Click i to put a message in
      2. Get out by clicking esc
      3. Then click shift zz
   2. If you just want to exit the message system:
      1. :q to get out if you committed without a comment
10. Type git log (show all changes) (q to exit)
11. Type git push

How to Push on to Github-------------------------------------------

Pushing is another way of saying the changes you made on your computer/ Raspberry pi will update onto your repository

After first time setup:

1. Go to Git bash
2. Type cd (location of where your file is located)
3. Type git status
4. Type git add . or git add (filename)
5. Type git commit -m “ “
   1. If you forget to put a message use this:
      1. Click i to put a message in
      2. Get out by clicking esc
      3. Then click shift zz
   2. If you just want to exit the message system:
      1. :q to get out if you committed without a comment
6. Type git log
7. Type git push