Basic Git Operations

dCC

Setup:

1) Create a remote repository for your project on github.com.
   a. (Do not name your repository the same name as your project)
   b. If you are using Visual Studio Community (not VS code) you must include a Visual Studio ".gitignore" file from the drop down menu.

2) Create local repository using 'git clone':

   a. Open GitBash in the directory in which all projects are stored (e.g. dCC > Projects)
   c. git clone "_your_github.com_url_"
      i. This will create a folder that is your local repository with the same name as the remote repository
   d. Navigate into the new folder that was created. Grab all the files that were cloned from github and move them out one directory level.
      i. ".git" file, ".gitignore", and "README.md" files should all be on the same directory level as your other files/projects you want to push to github.(Wherever the .git folder is, is your local repository.)
   e. Once you have all the files you want to push in the same directory as your .git folder. Run the commands listed below.

Traditional Operations:

1) git add .
2) git commit -m "message"
3) git pull origin master (Skip a-d if you don't have merge conflicts)
   a. If you have merge conflicts run git status to get a list of all files with conflicts (There may be several conflicts per file. So, check entire file)
   b. Resolve merge conflicts. And test application to ensure all is working.
   c. Run git add .
   d. Run git commit -m "Message describing merge resolution"

4) git push origin master

Other Helpful Commands:

1) If you attempt to pull and it doesn't go through because the histories aren't related:

   a. git pull origin master –allow-unrelated-histories

2) If you get to the VIM screen (usually after executing the above command):
   a. Esc
   b. :wq