How to use Git Cheat Sheet

**For Windows:**

With File Explorer, open the directory that you want to clone the git repository into. Right click, there should be an option “Git Bash Here”

Cloning a repository into a local directory:

git clone <https://github.com/heno-k/ENEE630-Proj1.git>

**Checking out new branch:**

git checkout -b “NameOfNewBranch”

Useful for making modifications with the added security that don’t harm the main branch.

Any modification in this new branch will only exist in this branch. When you are confident with your changes, we can merge any updates into the main branch.

**Swapping between branches:**

1. To view the names of the branches that you can potentially switch to type:

git branch -a

1. When you see the name of the branch you want to switch to, type:

git checkout “NameOfBranchYouWantToSwitchTo”

**Pushing updates to Remote Repository:**

1. git add “Name of file that you want to push”
2. git commit -m “A meaningful message to distinguish the commit”
3. git push
   1. If you created a new branch and haven’t pushed anything yet, it will say something something push upstream. Just copy and paste the command.

**Merging Branches…**

1. We should just meet up to do this. I have a good mergetool that we can use to identify what changes we want and don’t want. You just have to tell me what is worth keeping and what isn’t.