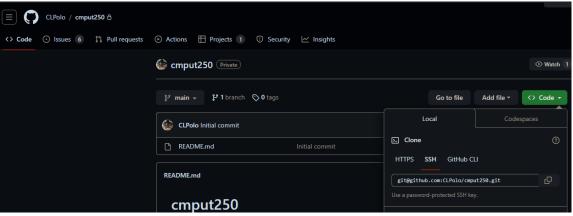
Part 1: Installing Git (if you don't already have it)

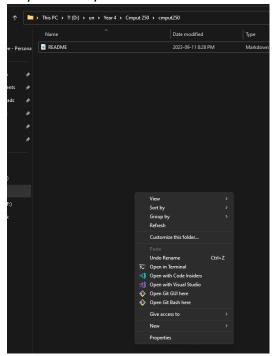
- 1. https://git-scm.com/ download the installer from here.
- 2. Run the installer.
 - a. Ensure git bash is installed (git bash shows branch names beside the directory path)
- 3. That's it you are done!

Part 2: Accessing the git repository

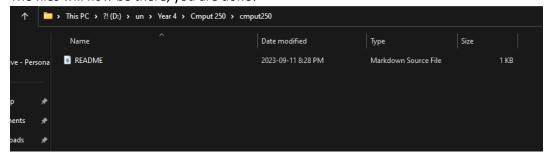
- 1. Go to the repository: https://github.com/CLPolo/cmput250
- If you do not already have a github ssh key set up, you will need to set up an ssh key and register
 it on your device, see the following github documentation:
 https://docs.github.com/en/authentication/connecting-to-github-with-ssh/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent
- 3. Copy the ssh link from the code section:



4. Open git bash (right click > show more options first) where you want the repository to be located on your local system:



- 5. Type `git clone <ssh-link>` replacing <ssh-link> with the link previously copied Gurtaj K@Desktop310 MINGW64 /d/un/Year 4/Cmput 250 \$ git clone git@github.com:CLPolo/cmput250.git
- 6. The files will now be there, you are done!



Part 2: Adding to the git repository

1. Traverse into the repository using `CD: cmput250` from the previous folder

```
Gurtaj K@Desktop310 MINGW64 /d/un/Year 4/Cmput 250
$ cd cmput250

Gurtaj K@Desktop310 MINGW64 /d/un/Year 4/Cmput 250/cmput250 (main)
$ |
```

- 2. Create a branch for your changes using 'git branch <branch-name>' (detailed names help) and switch to it 'git switch <branch-name>
 - a. Alternatively use 'git brsw <branch-name>' to create and switch to it (assuming config is set up, see last page for git configs)
 - b. **NOTE:** branches are created from the **CURRENT** branch, switch to the main branch before you create new branches, it's also common practice to pull all changes before creating the branch to prevent merge conflicts in the future

```
Gurtaj K@Desktop310 MINGW64 /d/un/Year 4/Cmput 250/cmput250 (main)

$ git branch adding-git-instructions-to-repo

Gurtaj K@Desktop310 MINGW64 /d/un/Year 4/Cmput 250/cmput250 (main)

$ git switch adding-git-instructions-to-repo

Switched to branch 'adding-git-instructions-to-repo'

Gurtaj K@Desktop310 MINGW64 /d/un/Year 4/Cmput 250/cmput250 (adding-git-instructions-to-repo)

$ |
```

3. Make any changes to the file system as needed and type `git add –all` to add your changes to the selection of tracked files, then type `git commit -m "<message>"` to create a commit

```
Gurtaj K@Desktop310 MINGW64 /d/un/Year 4/Cmput 250/cmput250 (adding-git-instructions-to-repo)
$ git add --all

Gurtaj K@Desktop310 MINGW64 /d/un/Year 4/Cmput 250/cmput250 (adding-git-instructions-to-repo)
$ git commit -m "added a word document with instructions on using git"
[adding-git-instructions-to-repo 03a984a] added a word document with instructions on using git
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Documentation/Git Setup Help.docx
create mode 100644 Documentation/~$t Setup Help.docx
```

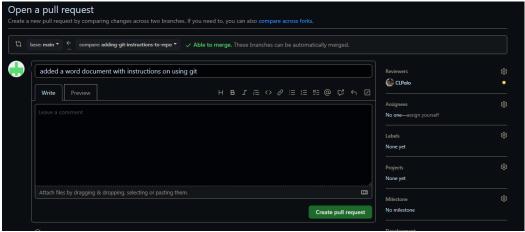
4. Push your changes using 'git push –set-upstream origin
branch-name>` (or simply 'git pushu` if config is set up [see last page])

```
Gurtaj K@Desktop310 MINGW64 /d/un/Year 4/Cmput 250/cmput250 (adding-git-instructions-to-repo) $ git push --set-upstream origin adding-git-instructions-to-repo
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 6 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 141.49 KiB | 2.48 MiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'adding-git-instructions-to-repo' on GitHub by visiting:
              https://github.com/CLPolo/cmput250/pull/new/adding-git-instructions-to-repo
remote:
remote:
To github.com:CLPolo/cmput250.git
                      adding-git-instructions-to-repo -> adding-git-instructions-to-repo
* [new branch]
branch 'adding-git-instructions-to-repo' set up to track 'origin/adding-git-instructions-to-repo'
```

5. Go onto the github repository and create a pull request for your branch to be merged with the main branch:

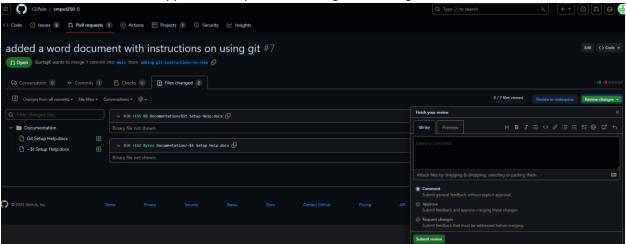


6. Add any reviewers, labels, link any issues (use #number in the comment section or the title and it will automatically link it) and create the pull request.



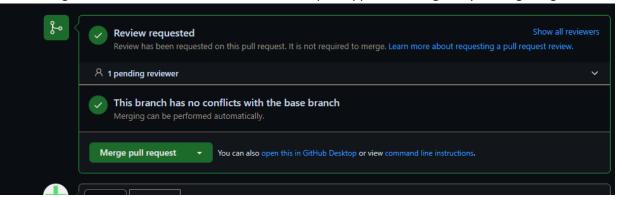
Reviewing PRs:

1. Add comments and either approve or request something to be changed:

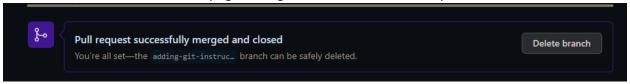


Merging PRs:

1. After changes from reviews have been made and the pr is approved, merge it by clicking merge:



2. Delete the excess branch after the pr gets merged to avoid clutter basically



Keeping your local files updated

- 1. Running a simple 'git pull' will update the CURRENT branch with any changes in github
 - a. If someone has made changes to the main branch that you cannot see, switch to the main branch and type 'git pull'

(OPTIONAL): Set up git configs

1. Copy the contents in the .gitconfig file into your local .git/config file:

