Install: http://get-scm.com/download/win

Text Editor: Atom

Useful commands:

$ git init // initializes local git repository

$ git add <file> // adds file to index (to be committed later using commit)

$ git status // checks status of working tree

$ git commit // commits changes in index to git repository

$ git push // pushes to remote repository

$ git pull // pulls most recent version from remote repository

$ git clone // copies remote to new directory

Steps for Setting up a Git Repository and Checking Functionality:

* Start file somewhere on computer
* *‘Git Bash Here’* (right click on file, opens bash and moves to that file)
* Make sure hidden files & extensions are shown in Explorer (View to change, if necessary)
* Make name and email configured for Git

$ git config --global user.name ‘Dakota Roberson’

$ git config --global user.email ‘dak446@gmail.com’

* Add files to git repository using ‘add’ function
* Check status of files in working tree using ‘status’
* To remove file from tree

$ git rm –cached <file>

* To add all files with same extension

$ git add \*.extension

* To add all files

$ git add .

* If changes are made before committing, *status* tells you which file is modified

When Ready to Commit:

* $ git commit // commits changes that are ready to be committed
* Will open up Vim editor. Uncomment ‘Initial commit’ by typing ‘i’ (toggling ‘INSERT’ mode) and erasing #. Then type escape (to escape ‘INSERT’ mode) and type :wq (hit enter)
* To skip whole edit stage

$ git commit –m ‘insert comment here’

* Gitignore ignores certain files that you don’t want to commit (e.g., log files). Open .gitignore and add the files to ignore to the list. To initiate .gitignore:

$ touch .gitignore //init .gitignore file with no content (hence, touch)

* Can also ignore whole folders using /folder in .gitignore, or file types using \*.extension

Branching

* Instead of using the *master* branch, we want to pull our own and work in it to test new things. Create a branch:

$ git branch branchname // branchname is the name of the new branch

* To change branches,

$ git checkout branchname

Pushing to GitHub

* Open GitHub. New Repository.
* Copy: *git remote add origin https://github.com/dak446/repositoryname.git* // repository name is the name of your new repository (obviously). Put that in Git cmd line
* By typing *git remote* we should see *origin*
* Then, copy: *git push -u origin master* to push to repository
* Can add a README.md file. *touch README.md*