**Version Control**

Version Control is keeping track of a work or project and explore the different changes that are being made since from the start of the project. In software development, version control is very significant especially when it involves large and complex project. Fortunately, there are various version control software that are available to use such as git.

**Version Control Sample Codes (Git and Github)**

* git clone <link>
* git init
* git pull
* git push
* git remote add origin <github repo url>
* git push –set-upstream origin <branch wanted to track>
* git checkout <branch wanted to checkout>
* git merge
* git status
* git add
* git commit -m “message”

**Implementations**

* git clone <link>
  + Use to clone the files in the remote repo
* git init
  + use to initialize the local branch
* git pull
  + get the latest update from the remote repo
* git push
  + push all the latest file changes from the local repo
* git remote add origin <github repo url>
  + set the remote repo URL origin
* git push –set-upstream origin <branch wanted to track>
  + use to set which remote branch should the local repo track
* git checkout <branch wanted to checkout>
  + checking out other branches from the remote repo
* git merge
  + merge the contents of branches
* git status
  + use to check unsaved changes from the files in local repo
* git add
  + use to add the different files that you are going to push
* git commit -m “message”
  + commit the files that are being added

**Learnings and Understandings**

* Tracking project in development will be much easier using version control software like git
* Version control is essential in development in order to prevent any conflict on the changes being made.
* Having GitHub repo makes the life of a development team easier because they can collab without having to download the files again and again.
* Code review will be much easier using the Version Control because you can let them see your repo.