Version Control

Version Control is an element of development used in programing that allows changes to be tracked and attributed to the correct user, as well as allows programming to be tested and then only known good versions of the program to be deployed.

Git or Git Hub allows for multiple users (or in my case computers) to work on and from the same repository. In my case this allows me to work on my projects from 3 different computers in 3 different places. I have a very powerful computer with 4 monitors in my office, a laptop with 2 extra screens set up on my desk at home, and my traveling Laptop, having to always wait or use just one machine would slow me down (especially since I spend 90% of my work week sitting at computers watching status bars of installs and other update processes.) The commit comments also allow me to confirm if the work that I am accessing is the most current version of my programs.

One of the interesting components of the reading that I saw was regarding the git commands related to merging different lines of development together. When larger programs are worked on, teams or groups, will work on it together. This feature of version control with multiple branches being worked on separately and then when ready having them merged allows everyone to work effectively together. The command has several steps, but common is the “git merge” command.