Gal Foox

Week 1a Assignment: Task 3 & 4

5/26/2020

What is GitHub? When was it created? Why? By who? What similar platforms exist? Why would you use such a platform? (Paragraph between 3 and 5 lines)

The Word file should be called *LastnameFirstnameGitTutorial-mm-dd-yyyy.docx*. Please respect the naming conventions!

GitHub is a web-based repository service. It was developed by Chris Wanstrath, P.J. Hyett, Tom Preston-Werner, and Scott Chacon in 2008. Some similar platforms include GitLab, SourceForge, GitKraken, and Launchpad. Using a platform, like Github, permits exposure for projects one is working on as well as creates greater opportunities for assistance and collaboration.

Define the following terms in the context of Git (2 lines maximum for each):

* Repository : a central location where data is stored and managed
* Commit : a change to a file or set of files
* Push : a command used to transfer commits from a local repository to a remote repository
* Branch : (there can be multiple) a unique set of code changes with a unique name – essentially the working version of one’s project
* Fork : a copy of a repository
* Merge : essentially putting a forked history back together again – allows one to take changes made by another branch and integrate them into a single branch
* Clone : making a copy of a repository in a new directory at another location
* Pull : allows one to fetch and download content from a remote repository and immediately update the local repository so the content matches
* Pull request : allows one to tell another about changes that were pushed to a branch in a repository