BraudyMichaelCS639GitTutorial.docx

Summer I, Week 1a

May 30, 2015

**Part 3:**

What is GitHub? When was it created? Why? By whom? What similar platforms exist? Why would you use such a platform? (Answer between 5 and 10 lines)

GitHub is a web-based [Git](http://en.wikipedia.org/wiki/Git_(software)" \o "Git (software)) repository hosting service. It was launched in 2008, and created by  [Tom Preston-Werner](http://en.wikipedia.org/wiki/Tom_Preston-Werner" \o "Tom Preston-Werner) with co-founders Chris Wanstrath, and PJ Hyett. Its purpose was to have a [web-based graphical interface](http://en.wikipedia.org/wiki/Web_application) with desktop and as mobile integration, as opposed to just a command-line tool like Git. Similar platforms are SoundForge and BitBucket. It is useful to post Git projects for others, such as the instructor of this course, to access them there.

**Part 4:**

Go through the Git tutorial here: <https://try.github.io>. While doing the tutorial, save your work the *LastnameFirstnameGitTutorial-mm-dd-yyyy.docx* file.

**Not sure what to have saved from the tutorial. I did “earn” a badge, thought I didn’t really understand yet what I was doing yet!**

**Part 5:**

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

* Repository

A folder that contains project files each file's revision history.

* Commit

Saves changes to a file.

* Push

Sends committed changes to, in this case, GitHub.com.

* Branch

A parallel version of a repository, contained within the repository. It does not affect the master branch, so you can work in that branch, leaving the other alone.

* Fork

A personal copy of another user's repository

* Merge

Take the changes from one branch (in the same repository or from a fork), and applies them to another branch.

* Clone

A copy of a repository, which lives on your computer, so you can edit the files in your editor and use Git to keep track of your changes without having to be online.

* Pull

Fetching changes and merge them, so for example, if someone has edited the remote file you're both working on, you can pull in those changes to your local copy.

* Pull request

Proposed changes to a repository submitted by a user and accepted or rejected by a repository's collaborators.