Rawle Jones Assignment: GitHub

CS 639 Date: 6/02/16

GitHub is a web centric repository and based on Git, a version control command based system developed by Linus Torvalds in 2005. GitHub on the other hand was launched in 2008 by Tom Preston-Werner, Chris Wanstrath and PJ Hyett after an initial beta phase. Being web-based it presents a GUI interface accessible via popular browsers such as Google Chrome, Microsoft Internet Explorer (IE) and Edge, Firefox, Apple Safari etc. Similar repository applications such as GitHub are BitKeeper, Visual Studio SourceSafe (VSS), Team Foundation Services (TFS) and Concurrent Versioning System (CVS). GitHub supports multiple formats and rich content features such as Wikis, code repositories, issues control and tracking, integration directories, email notifications and various other features.

Terms defined in terms of GitHub

* Repository: a storage location consisting the various GitHub components required to host and maintain the features and content associated with that location. It is the core structure of GitHub which is required to store the content being maintained.
* Commit: A GitHub command which provides the ability to take a point in time checkpoint of the repository being reference. This is important in that it affords the option to create a version control process for your repository and files within the same space.
* Push: Process using GitHub to commit changes or updates to your GitHub repository.
* Branch: A tree like structure in a targeted GitHub repository with the master being the main or root of the repository.
* Fork: A GitHub command which enables the option to potentially copy a repository without affecting the original repository.
* Merge: A GitHub command which provides the ability to combine changes being implicated by possible collaborators in a repository into the master branch of the repository.
* Clone: Enables the capability in GitHub to create a new repository of an existing directory.
* Pull: Command in GitHub to retrieve the most recent changes from the targeted GitHub repository.
* Pull request: A GitHub featured command which informs individuals in a collaborative repository of changes applied.

Steps taken to retrieve the README.md file from repository <https://github.com/paceuniversity/courses.git> are as follows:

git pull https://github.com/paceuniversity/courses.git

git commit -m “Rawle Jones – README.md file committed”