**PART 3**

What is GitHub? When was it created? Why? By who? What similar platforms exist? Why would you use such a platform?

GitHub is a web based database shared among different members who are working on the same project in order to have a revision controlled copy of the source files. It was created in February 2008 by [Tom Preston-Werner](http://en.wikipedia.org/wiki/Tom_Preston-Werner), Chris Wanstrath and PJ Hyett. Gitlab, Gitorious, Codeplane,Allura are some of the several github alternatives. Such platforms are necessary in order to keep the latest updates available for all the involved developers

**Part 5:**

Repository : It is the actual database which contain all the source codes and other files

Commit : Commit is the process of saving all the changes made by a user on his personnel system to the repository, making it available to everyone.

Push : Push is the process of uploading the data to repository

Branch : Parallel developments use branches to perform own line of development. Once complete it will be added to the main branch and the sub-branch will be deleted.

Fork : Forking is creating a copy of the repository like clone but without write access. A forked repository will not have direct write access to the repository.

Merge : Merge is combing a sub-branch into the main branch

Clone : Creating a copy of the repository

Pull : Pull is creating a local copy of the repository

Pull request: This request is sent when a user forks the repository and finishes making his changes to his local repository version, asking to pull the updated version from his local account.

**PART 7:**

[WEB UI] I used the GitHub web interface to update the file. I forked the file first and then updated in the text UI. Then created a pull request for the person with write access to the repository to merge the fork with the main branch.

[GIT BASH]

Established a connection with the remote repository

Git remote add pace [git@github.com:paceuniversity/courses](mailto:git@github.com:paceuniversity/courses)

Pull current repository onto local path

Git clone https://github.com/dsathkumar/CS6392015.git

Edit file

Stage file for commit

Git add “README.md”

Commit

Git commit

Push

Git push