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What is GitHub?

is a web-based hosting service for software development projects that uses the Git version control system. Github help users with different jot titles not only developers to keep tracking of their amendments on their work. Its usefulness will be very obvious when it becomes a collaborative work that involve different parties.

When was it created? Why? By who?

Github was created in Feb 2008 and was announced with 46000 public repositories within its first year.

As I mentioned before, the main reason behind Github is to be version control system that controls life time of a file. Mainly if this was a distributed file that will be accessed and changed among different contributors.

What similar platforms exist? Why would you use such a platform? (Answer between 5 and 10 lines)

There are a few other that are available in the industry of VCS, version control software, that might be more preferable over the Github for some security or other reasons which may suits your company better. Some of these options include:

SourceForge, FogBugz, GitLab and also Bitbucket.

Answer these questions in a Word file called *LastnameFirstnameGitTutorial-mm-dd-yyyy.docx*. Please respect the naming conventions!

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

* Repository

The purpose of Github is to manage files and projects and keep tracking them. These data are structured in a way called repository.

* Commit

This command takes all changes that are cached or on stage to be effective and save them

* Push

Pushes all the locally modified files to the remote repository.

* Branch

Lists all branches including remote branches if “-a” parameter is given. This command also creates a branch if the name was provided with the command.

* Fork

When cloning a repository on your local machine then submit amendments on it that wont effect the original remote repository.

* Merge

Merges one or more branches into the current branch and create a new commit if there were no conflicts.

* Clone

This allows you to clone a remote repository and also allows to commit changes if you have a contributor access.

* Pull

Fetches from a remote repository and merge it with your local ones.

* Pull request

This allows you to discuss changes made on a certain file and also discuss it with collaborative.