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

GitHub is Git Repository hosting service which can be used to store the code with proper versioning and bug tracking. It has many features like collaboration where work can be collaborated from other repositories. With the free account we can’t create private repository. GitHub is founded in February 2008 almost 8 years before. It is founded by Tom Preston-Werner, Chris Wanstrath and PJ Hyett. If we have paid GitHut account we can also create private repositories.

Repository

Repository is basically used to store the project specific file including all the documents. It also stores the versioning information.

Commit

Commit is used to save the changes to the versioning system. Change maybe single or multiple and can be single or multiple file. Git creates the unique id for individual commit. With we add the comment message.

Push

Push is used to send the changes to the remote repository. We do changes locally and then pushes those changes to the remote location.

Branch

It’s a one of the version of master repository used to make some changes and then it can be merged to master branch. The changes to the branch does not affect the master repository.

Fork

It is used to make the personal copy of another user’s repository. The changes to the personal copy does not affect the main user’s repository.

Merge

Merge is used to merge the changes from one branch to the other branch. If there is a conflict then we can resolve the conflicts.

Clone

Clone is used to make a local copy of repository online repository. We can edit the files locally and we can also keep the versioning information.

Pull

It is used to pull the changes made by other users and merging to the local repository. For instance if one of the user have made some changes and committed to online repository then Pull will fetch the changes and will merge to the local repository.

Pull request

It is used to propose the changes to a repository it can be accepted to rejected by users.