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**CS 623 Individual Project Responses**

**July 8th, 2017**

**Part 3:**

What is GitHub? When was it created? Why? By who? What similar platforms exist? Why would you use such a platform? (Answer between 2 and 3 lines)

**What?** - GitHub is a web-based [Git](https://en.wikipedia.org/wiki/Git) or [version control repository](https://en.wikipedia.org/wiki/Repository_(version_control)) and [Internet hosting service](https://en.wikipedia.org/wiki/Internet_hosting_service).

**When?** - Development of the GitHub platform began on 1 October 2007. The site was launched in April 2008.

**Why?** - Back then, the Git landscape was pretty barren. Git had only recently become usable by normal people with the 1.5 release. As for Git hosting, there was really only [repo.or.cz](http://repo.or.cz/), which felt to me very limited, clumsy, and poorly designed. There were no commercial Git hosting options whatsoever. Despite this, people were starting to talk about Git at the Ruby meetups. About how awesome it was. But something was amiss. Git was supposed to be this amazing way to work on code in a distributed way, but what was the mechanism to securely share private code? Your only option was to setup user accounts on Unix machines and use that as an ad-hoc solution. Not ideal. And so, GitHub was born.

**Who?** - Founded by Tom Preston-Werner, Chris Wanstrath, PJ Hyett

**Exist** - Only significant and similar platform is Bitbucket - <https://bitbucket.org/>

**Reasons** - In GitHub, my code will be reviewed by the community. GitHub can integrate with common platforms such as Amazon and Google Cloud, services such as Code Climate to track my feedback, and can highlight syntax in over 200 different programming languages. I can have a version history of my code so that previous versions are not lost with every iteration. GitHub also tracks changes in a changelog, so I can have an exact idea of what is changed each time. (This is especially helpful for looking back in time.)

**Part 4:**

Press enter to submit commands

> git init

$ git status

$ git status

$ git add octocat.txt

$ git status

$ git commit -m "Add cute octocat story"

$ git add '\*.txt'

$ git commit -m 'Add all the octocat txt files'

$ git log

$ git remote add origin https://github.com/try-git/try\_git.git

$ git push -u origin master

$ git pull origin master

$ git diff HEAD

$ git add octofamily/octodog.txt

$ git diff --staged

$ git reset octofamily/octodog.txt

$ git checkout -- octocat.txt

$ git branch clean\_up

$ git checkout clean\_up

$ git rm '\*.txt'

$ git commit -m "Remove all the cats"

$ git checkout master

$ git merge clean\_up

$ git branch -d clean\_up

$ git push

>