**CS643 Mobile Innovations**

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**PART III**

**What is GitHub?**

Github is a web based repository hosting service.

**When was it created?**

Github was launch April 2008

**Why?**

To allow the hosting of code and user collaboration in code projects

**By who?**

Tom Preston-Werner, Chris Wanstrath and PJ Hyett

**What similar platforms exist?**

Bitbucket, CodePlex, Launchpad

**Why would you use such a platform?**

For the collaboration of a code project and version control of your code project.

**PART IV**

Press enter to submit commands

> git init

$

Initialized empty Git repository in /.git/

Success!

$ git status   
# On branch master  
#  
# Initial commit  
#  
nothing to commit (create/copy files and use "git add" to track)

Success!

$ git add octocat.txt

$ 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"

Switched to branch 'master'

$ git merge clean\_up

$ git branch -d clean\_up

$ git push

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

* Repository – a hidden directory where git works
* Commit – is a snapshot of the repository
* Push – command to place additions/changes to your repository
* Branch – Copy of the code to allow for separate commits
* Fork – A copy of a repository
* Merge – Consolidation of branches into the master branch
* Clone - Clones a repository into a newly created directory
* Pull – Incorporates changes from a remote repository into the current branch
* Pull request - A pull request allows the project leader to look through your changes and make comments before deciding to merge in the change.

**Part VII**

Forked the repository

Created a branch

Modified file

Committed the changes

Push