## Git

1. **Git init** – initialize git in a repository. Should not do git init for top level repository
2. **Git Status** – check status for changes
3. **Git add** – STAGING STEP: add files for git to track
4. **Git commit** – the commit the changes and give them messages (-m “…“)

Git is a version control application

In order to use Git for a project, access the project folder and type “**git init”. (it is best not to install git for the entire library of olders with documents that don’t work together)**

**Git init** will create a hidden folder “.git” (.git folder holds all the version of the project you’re working on – don’t screw with it)

**Git add** . – “.”: The dot represents all changes no staged for commit

**Git add .** : This command

**Git add \*.html**: stage files with html extension

\*\*There are times when we do not want to stage files such as log files. So for this scenario, we have to create a **.gitignore** text file. Inside .gitignore text file, add **\*.log**.

1. Git Log
2. Git Checkout

## Stashing:

**Git stash** – to stash a file (that is already tracked) you are working on but NOT ready to commit yet. This will stash/put away the file that you haven’t commited yet.

**Git stash apply** – to re-apply the stash file.

## Branching:

**Git branch MyBranch** – to create a new branch to work on

Use **Git** **checkout** to accessdifferent branch. Master branch is the original branch.

**Git checkout MyBranch** – to access the newly created branch

**Git merge MyBranch** – to merge Master and MyBranch

**Git commit -a -m ‘asd’** – “-a” will skip the staging step for files that are already TRACKED.

## Merge Conflict

Note: when you merge Master and branch and both have different changes .

Git mergetool -

## Remote Repository:

Git clone – cloning a repository (eg: URL link from github)

**Git remote** – to look at existing remote repository

**Git fetch origin** – pull the data from source to your local repository but will NOT merge into your work.

**Git pull origin**

**Git push origin master** – push to remote repository