COMPSCI X443 - Fundamentals of Website Development

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**Git**

Files

Github (git repository) folder = directory

* Able to copy folder to local files
* If faster to start from scratch, start over

-Repository – local machine, but mirror github, but got to be pushed for both areas to be identical

-Staging

-version control

- this is where to build, change things

- have to add, commit, push – buttons, nothing is automatic

-move from staging to repo – called commit – when committed, it’s part of system, everyone can get it and be affected

**Tools for Git**

-Sourcetree

-Allasian

-Git command line tool – git-scm.com

-Readmd – md is mark down

-cd – directory – create folder – git clone

-git add . – move to staging area

-git commit – m “add a sample to file”

-git push

Website

-Browser – read a standard text file, which has instruction of what a website should be like (file = Java Script, CSS, HTML) browser – passive

-Server – web server (common use – Apache – program running on server, provide access to files), contains different files

Apache finds the files – docroot (document root) – DNS service map the web address to the server

Localhost – <http://localhost> means on the current machine

On top of server- database – mySQL, mariaDB

M(map) A (apache) M (MySQL) P(PHP) -

Default “Ports” is 80 eg. <http://holub.com:80>