Git

| Terminology | | | |
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| Commit | Saving state of project in GIT | | |
| Repository | Directory that contains project, made up of commits | | |
| Working Directory | Files you are working on at the moment | | |
| Checkout | Taking files from Repository to put in working directory | | |
| Staging Area / Index | Holds information on what will go into your next commit | | |
| SHA | Id that Identifies each commit | | |
| Branch | New line of development, doesn’t influence old one | | |
| Terminal Commands | | | |
| ls | List files and directories | | |
| mkdir | Create new directory | | |
| cd | Change directory ( use ‘\ ‘ to add a space)  Cd / to go to base level  Cd .. to go one level up  Cd - to go to previous directory | | |
| rn | Remove files and directories | | |
| pwd | Prints working directory | | |
| Git Commands - Basic | | | |
| Git init | Creates Repo | | |
| Git clone | Gets repo from another source and puts in our repo (change name by adding new name after a space after the link/location) | | |
| Git status | Gets status of Repo | | |
| Log | | | |
| Git log | Shows history of commits (q to quit, up or down arrow to move up or down). Can use git git log --oneline command to make it display in one line  git log --stat command gives statistics about the file edited by commit  git log -p shows actual changes made  git log -w shows changes while ignoring whitespace only changes  git log [SHA] starts list at SHA brackets aren’t needed | | |
| Git show | Same as git log but only shows 1 item. Has same display as -p by default, but if --stat is used, need to re-enter -p | | |
| Commits | | | |
| Git add | Add files from working directory to staging index | | |
| Git commit | Add files from staging index to repo | | |
| Git dif | Displays differences between two versions of files. | | |
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