

- 1) Yes, I've worked with both Git and SVN before. I used TortoiseSVN and TortoiseGit for both, and TortoiseGit works especially well and integrates with the windows shell.
- 2) Yes, I've worked with window's cmd before.
- 3) Git's add command adds a new file to the repository. Any file that is put in the same folder is not automatically under version control, and so we have to manually add it to the version control system.
- 4) Git commit actually commits all the changes we have made to our local repository. Other people cannot yet see these changes, but we can use this as a rollback point or branching point, if we so choose.
- 5) Git's push command actually uploads all the commits we have made to the remote repository. This means all changed and new files are put up all at once, since the last time we have pushed.
- 6) There are two people on our team, so we have three copies of the Git repository. One on each of our machines, and one on Github's servers.
- 7) There are now three commits in the repository's history, including the initial commit.
- 8) The second commit was made by my partner, Peter Savkovich.
- 9) The second commit involved peter changing the readme, and adding the line "First change" to the readme.
- 10) There are two people on my team, so GitHub's copy of the repo now has three branches, including master.
- 11) There are currently no files with our usernames on the master branch. On my branch, there is one file with my username, and on peter's branch there is one file with his username.
- 12) The git branch command takes whatever commit we are currently at, and prepares a completely separate version of our program. It then puts this on a separate branch, which allows us to make as many changes as we want, and commits that clearly and concisely track those changes, without polluting the other versions and constantly causing conflicts.
- 13) Git's checkout command simply changes us from one branch to another. This means it actually changes over all the versions of all the files to the other branch, and undoes our (presumably saved) versions of other branches.
- 14) There are two members on our team, so there are currently three versions of the readme file. Mine has my username, peter's has his, and the master branch has none at all. What a conflict!
- 15) There were two of us. We did two merges, one was fast forward, and one was manual.
- 16) There are still three branches, but master is the most up-to-date.

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17) No. They were not changed in the merge, since we merged them into master.