



Project located at <https://github.com/zmancooks99/CS372>

I used the git command line tool to initialize a directory with a file "FILE.TXT" to a new repo on github.

The file contained the line `"THIS IS MY FIRST FILE IN THIS REPO"`

I then locally made a commit containing a new line in the file `"#THIS IS A MODIFICATION TO THE FILE THAT I WON'T PUSH IMMEDIATELY"`

Then before I pushed that I went to the repo and changed the file to read `"THIS IS MY FIRST"` (missing a few words) followed by `"HERE'S SOME INFO TO MAKE A CONFLICT"`

Then I attempted to push the local changes which failed, so I pulled the updated repo, used nano to examine the offending file, modified it so that the issues were resolved, and re-added, committed, and pushed to the master branch.

add, branch, checkout, clone, commit, log, merge, pull, push, status
Rebase, stash, bisect, diff, show

GIT COMMANDS NOT COVERED IN CLASS:

git stash: Records the current state of the working directory by pushing it to the working branch as WIP [name] and then restores your directory to the most updated version in the branch. Options are:

- list: lists the current stashes.

- apply: restores the stash (even after another commit or push)

- show: shows the changes between the working directory and the stashed version

- Drop: drops the changes that were stashed

git diff: Shows the file changes that are not yet staged.

- staged: Shows the difference between files that are in the staging area and the latest version present

- [branch a] [branch b]: Shows the difference between two branches

git bisect: If at some point a commit broke a feature of your app and you don't know which commit, you can do "git bisect good [name of last commit that worked]" and "git bisect bad" which applies to the current version. Then it will start selecting commits in between and you can compile them and if the feature works, run "git bisect good" and if it doesn't run "git bisect bad" then it will keep giving you versions until it has narrowed down the latest version on which the feature works.