CS 458 - Homework 8

Deadline

Problem 1 was completed during CS 458 Week 10 Lab.

Problems 2 onward are due by 11:59 pm on Friday, November 3, 2017

Purpose

To meet with your project team and properly document those meetings, to try pushing up JUST a branch from a Git local repository to the Git remote repository it was cloned from, and to try making a clone on nrs-projects of a Git repository also on nrs-projects.

Problem 1

You needed to meet with your project team in a mandatory team meeting during the Week 10 Lab on Wednesday, October 25, and include a miscellaneous team meeting form `misc-meet-2017-10-25.txt` in your team GitHub repository's `sprint-x/team-meetings/misc-meetings` subdirectory, containing the required contents as described on p. 7 of the project handout.

(That is, you will be graded on working in your team during that lab, and whether your team successfully completed this file, meeting the stated specifications, during that lab.)

Problem 2

I want to make sure you practice pushing up JUST a branch to a Git repository.

FIRST: if you have cloned a repository, you know that you can push changes to the `master` branch of the remote repository you cloned from using:

```
git push origin master
```

You are pushing TO the origin -- the remote repository you originally cloned from -- your local repository's `master` branch.

If you instead use:

```
git push origin another_branch_name
```

...then you would instead push the local branch named `another_branch_name` to that remote repository you cloned from.

You will now practice doing this.

Carefully perform the following steps. **Wherever you see** *abc123*, **substitute YOUR HSU username.**

- Clone a copy of repository `458hw08` in the organization `hsu-cs458-f17` on GitHub into your nrs-projects account.

```
git clone https://github.com/hsu-cs458-f17/458hw08.git
```

- Change to this repository's directory, and you will see just two files, `README.md` and `first-file.txt`.

```
cd 458hw08
```

```
ls
```

- Create a new branch in this repository whose name is `hw8-` followed by YOUR HSU username.

`git branch hw8-`*abc123*

`git branch`

- CHANGE to this new branch.

`git checkout hw8-`*abc123*

`git branch`

- While in this branch, create a new file named `second-file.txt`. In this file, include:

  - your name

  - the date you are creating this file

  - a favorite git command so far

- Stage and commit your file `second-file.txt` in branch `hw8-`*abc123*

```
git add second-file.txt
```

```
git commit -m "adding second-file.txt for Homework 8"
```

```
git status
```

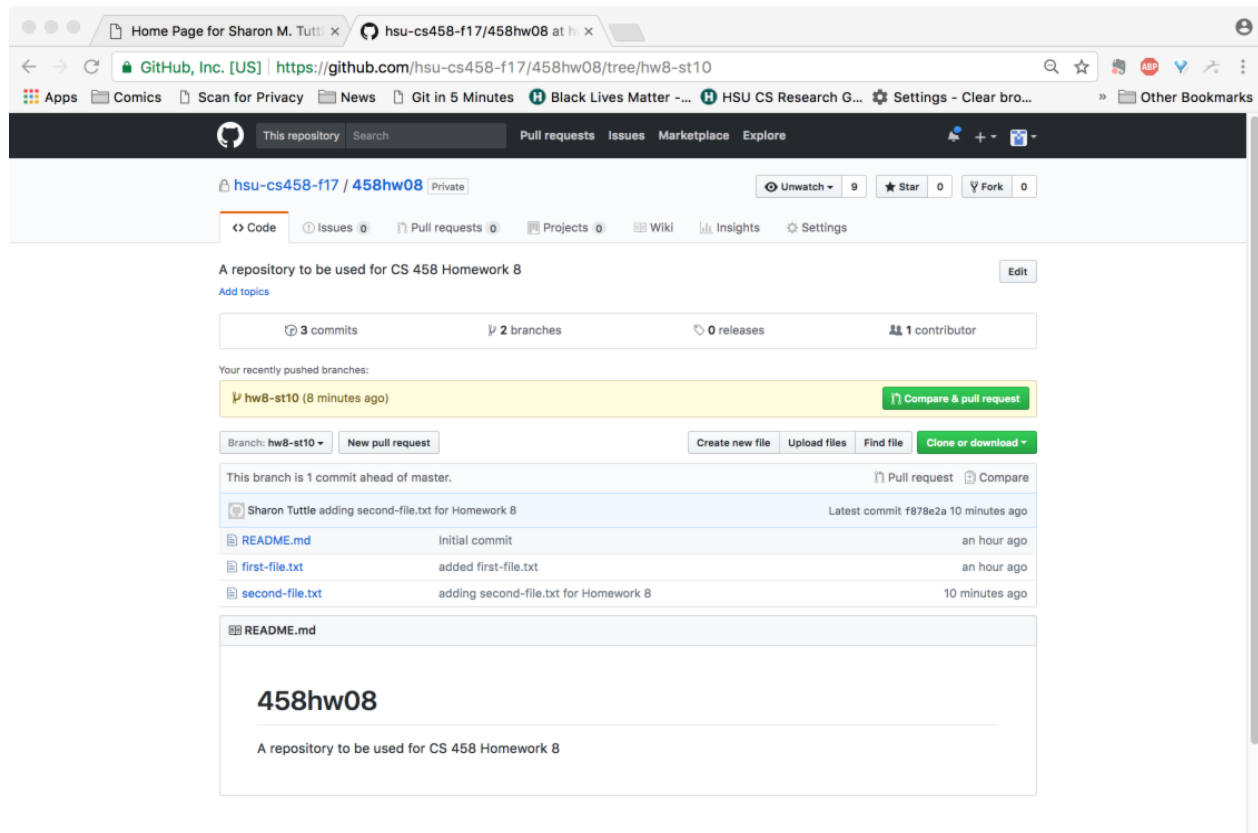- Now -- push your branch `hw8-`*abc123* to the GitHub repository you cloned from.

`git push origin hw8-`*abc123*

- Go to the repository `458hw08` on GitHub. You should see, in the `master` branch, JUST the files `first-file.txt` and `README.md`.

- If you click near the top where it says how many branches this repository has, you should see a list of branches. Hopefully you see the branch you just pushed up!

  - Click on YOUR branch's name. You should see `second-file.txt` listed as one of the files in this branch!

  - Take a screen shot of this GitHub screen, showing that your branch indeed also has `second-file.txt`. Save this screen shot as a PDF with the name `458hw08-branch-proof.pdf`

    For example:

- And if you click on `second-file.txt,` you should see the contents you put there.

  Do this, and take a screen shot of this GitHub screen, also, showing that your branch's `second-file.txt` indeed has the contents you put there. Save this screen shot as a PDF with the name `458hw08-file-proof.pdf`

  For example:

Submit your resulting files `458hw08-branch-proof.pdf` and `458hw08-file-proof.pdf`

Problem 3

And, you should be able to make a LOCAL clone of a repository on nrs-projects (just in case...!)

- `cd` to your `458hw08` repository clone on nrs-projects from Problem 2

- Type the command:

```
pwd
```

...to get the absolute pathname of your repository. Copy this pathname, you will be using it later.

- Now go back to your home directory on nrs-projects:

```
cd
```

...and make a NEW directory `458hw08-try`, and go to that new directory:

```
mkdir 458hw08-try
```

```
chmod 700 458hw08-try
cd 458hw08-try
```

- Now make a clone of your `458hw08` repository on nrs-projects WITHIN `458hw08-try`:

  `git clone` *absolute-pathname-you-copied-earlier*

  (for example, `git clone /home/`*abc123*`/cs458/458hw08`)

- Go to your newly-cloned repository, and you should see this worked:

  ```
  cd 458hw08
  ls
  git status
  git log
  ```

- Now run the following commands:

```
pwd >> ../458hw08-3.txt
echo ============ >> ../458hw08-3.txt
ls >> ../458hw08-3.txt
echo ============ >> ../458hw08-3.txt
git status >> ../458hw08-3.txt
echo ============ >> ../458hw08-3.txt
git log >> ../458hw08-3.txt
cd ..
```

...and submit the resulting file `458hw08-3.txt` within your `458hw08-try` directory.