THE UNIVERSITY OF IOWA

COLLEGE OF EDUCATION

PSQF 6250: Assignment 1
15 pts

Using git

For this assignment, you will become familiar with the basics of git, by committing some files, set up .gitignore, pushing to github, create issues, close issues with a pull request, and submit a pull request to one of your peers.

git setup

a Sign up for a github account (it is free).
b Ensure that you have git installed on your computer. It is likely that most campus computers do not have git installed, if you do not have a personal computer to do these steps, then please contact me.
c Create a new project repository to use for this assignment (do this on your computer, not on github. We will link the project repository on your computer to github). Ensure that you do not have any files in this repository to start, these files will become public on github, as such, you want to start fresh to ensure that files you do not want are github are not placed there by accident.
d Finally, keep track of your commands ran and submit these to ICON when submitting this assignment.

Questions

1. Using a command prompt, initialize your project repository (Note: you know you have done this when a .git folder and a few other files are added to your repository). **1 pt**

2. Create a README file (note, you do not need a file extension on this, but you can add .txt if desired), for the content think briefly about 2 to 3 possible course project topics you are interested in exploring in more detail. Add this file to be tracked by git and commit this file. **2 pts**

3. Let's modify the .gitignore file to not track any .pdf files. Add the relevant line to your .gitignore file. To test that this new rule works, place this homework files pdf file in the repository. Try to track and commit this pdf. Was git able to track the .pdf file? **2 pts**

4. Create a new repository on your github page (just create the repository, do not initialize it on github yet, we have already done this above). Now, from the terminal, add the remote github repository (use the project url on github) and push your local repository to github. **2 pts**

5. On github, open an issue to include a sentence or two description to the README file for each of the possible course project topics you came up with from #2 above. After creating the issue on github, go ahead and add a sentence or two description to each topic in the README file. Before staging, look at the output for git diff. What does this output show? How can this be helpful? **2 pts**

6. Now stage the README altered from #5 above. Now commit this, paying specific attention to close the issue on github with the commit message. **2 pts**

7. Fork another classmates repository for this course, then clone the repository(use the supplementary file on ICON to see who you have been randomly paired with). Once cloned, create a new branch for the repository. Next, think of a comment or two for each of the project ideas/descriptions in the README file (be constructive and if possible, comment on areas to explore further or areas to think about). Push these changes to your github repository (this is a simple commit and push the new branch). Now go back to github and submit a pull request to merge your comments back into the original repository. **3 pts**

8. Finally, once you receive the pull request, review the changes and merge back into your original repository. **1 pt**