**CSSE 376 Lab 2**
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**[Question 1 (1 pt)] Have you worked with any version control systems, including Git or SVN, before? If so, which systems?**

Yes. In the past, we have mostly worked with SVN.

**[Question 2 (1 pt)] Have you worked with a command prompt or shell before? If so, which one (e.g. Windows cmd, bash, PowerShell, zsh)?**

We have worked with the windows command prompt, bash, and the UNIX command prompt in the past.

**[Question 3 (2 pts)] Explain, in your own words, what the git add command does.**

Git add tells the repository that a certain file will be included in the next commit.

**[Question 4 (2 pts)] Explain, in your own words, what the git commit command does.**

Git commit commits all signified changes to the local repository.

**[Question 5 (2 pts)] Explain, in your own words, what the git push command does.**

Git push pushes any committed changes to the remote repository.

**[Question 6 (2 pts)] How many people are on your team? How many copies of your Git repository exist in total? (Hint: don't forget your remote!)**

Our team includes two people, so three copies of our repository exist (one local copy for each team member and one remote copy that is shared).

**[Question 7 (2 pts)] How many commits are there in your repository's history?**

There are three commits in the repository's history.

**[Question 8 (2 pts)] Who created the second commit in your repository's history?**

Cundifij created the second commit in our repository.

**[Question 9 (2 pts)] What changes did the second commit in your repository's history make?**

The second commit made changes to README.

**[Question 10 (2 pts)] How many members are on your team? How many branches are there in GitHub's copy of the repository? (Hint: don't forget the master branch!)**

Our team has two members. There are three branches in our repository (one for each team member plus the master branch).

**[Question 11 (2 pts)] How many files with a student's username exist on the master branch? How many files with a student's username exist on each other branch?**

No files with a student's username exist on the master branch. One file exists on each other branch.

**[Question 12 (2 pts)] Explain, in your own words, what the git branch command does.**

A git branch command creates a new branch that is named after the specified string.

**[Question 13 (2 pts)] Explain, in your own words, what the git checkout command does.**

A git checkout command selects the branch that the user is currently working in and makes a local copy of the files within that branch.

**[Question 14 (2 pts)] How many members are on your team? How many versions of the README file are there? (Hint: don't forget the version on the master branch!)**

There are two member on our team. There are three versions of the README file.

**[Question 15 (2 pts)] How many members are there on your team? How many Git merges did you perform? How many of these merges were fast-forward, and how many were done manually?**

There are two members on our team. We performed three git merges (with the second one failing). Only one of these merges was fast-forward, and only one was done manually.

**[Question 16 (2 pts)] How many branches exist in the GitHub copy of your repository?**

Three branches exist in the GitHub copy: one for each user plus the master branch.

**[Question 17 (2 pts)] Are any of the individual student branches at the same point as the master branch? Why or why not?**

One of our branches is at the same point as the master branch (applekw). This is because the repository of the other user (cundifij) has not been updated to reflect the master branch.