Lab 2 Report

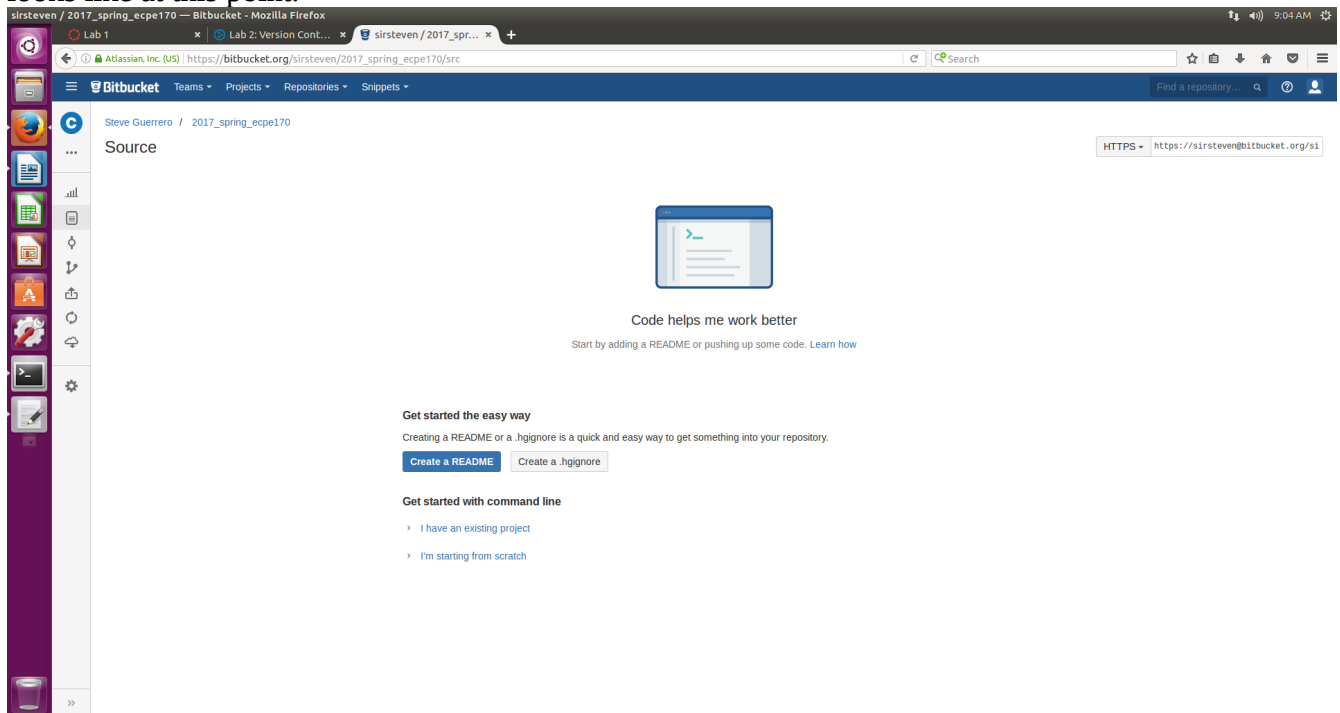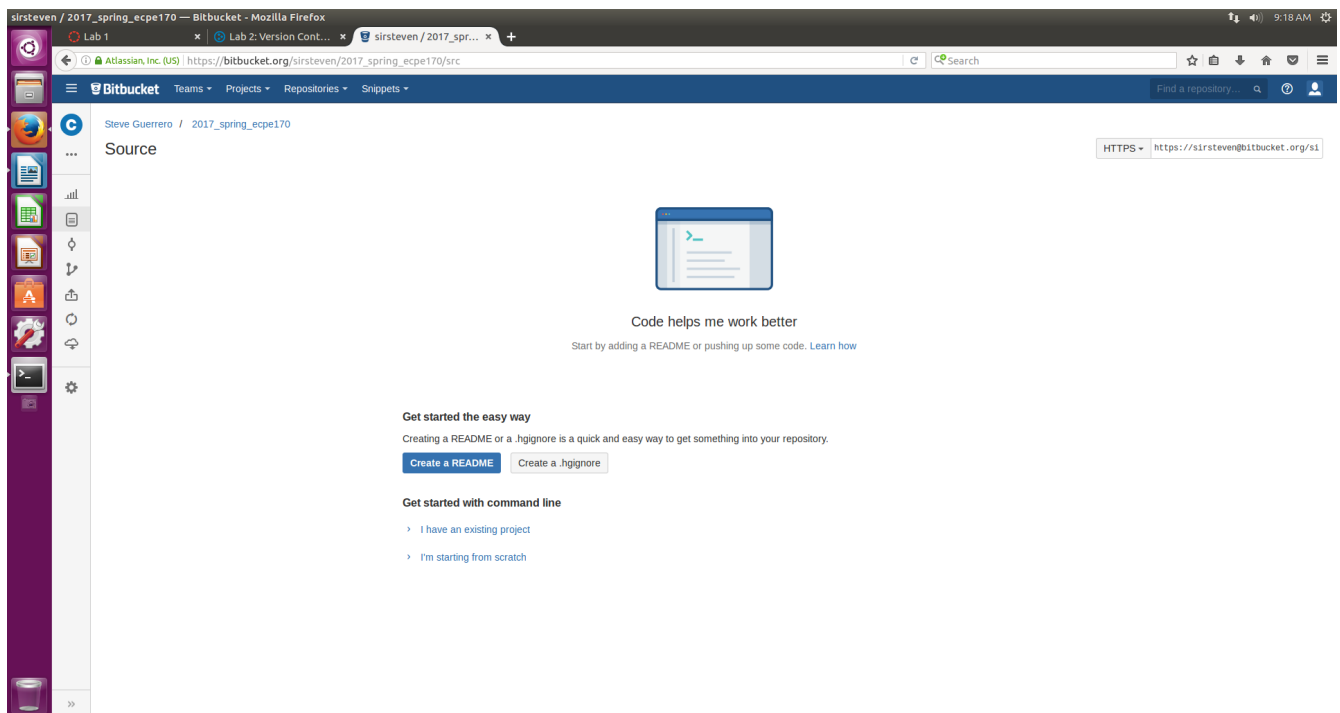## ECPE 170 – Computer Systems and Networks – Spring 2016

Name: Steve Guerrero

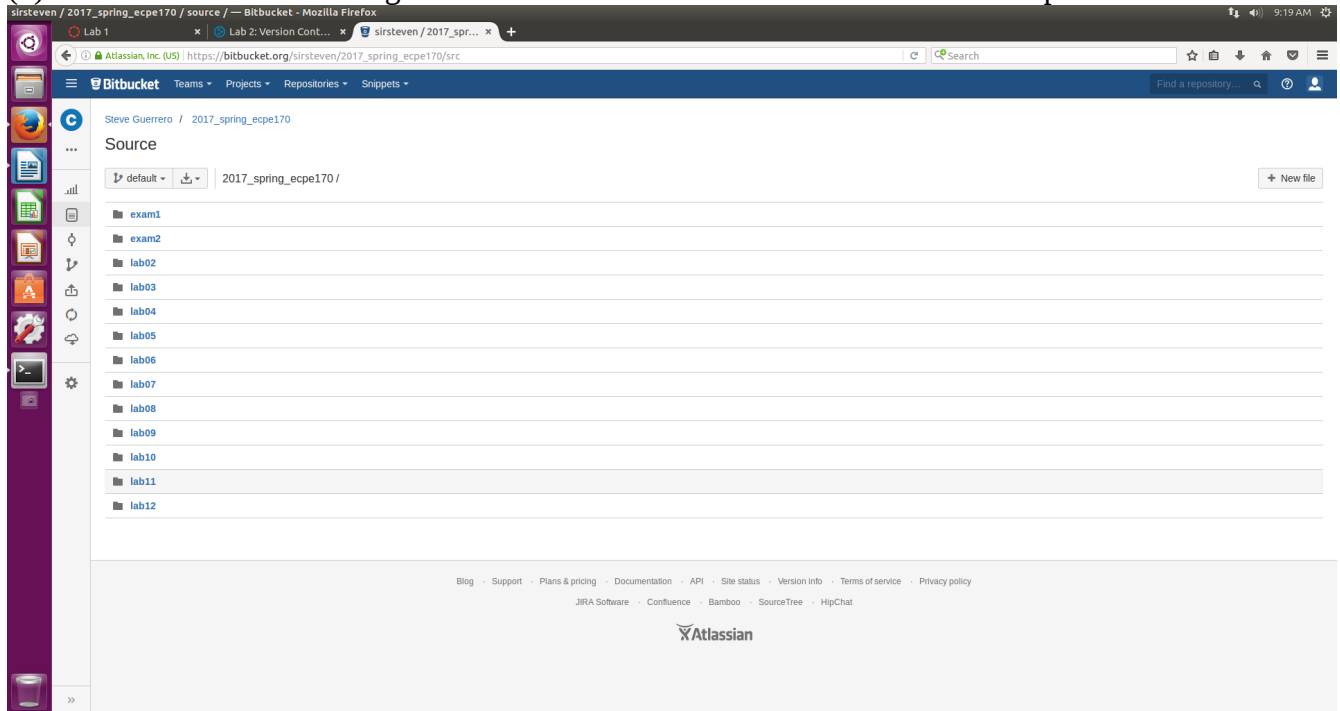**Lab Topic:**   Version Control   (Lab #: 2)

(1) Take a Screenshot (using the Ubuntu Screenshot tool) showing what the BitBucket source view looks like at this point.
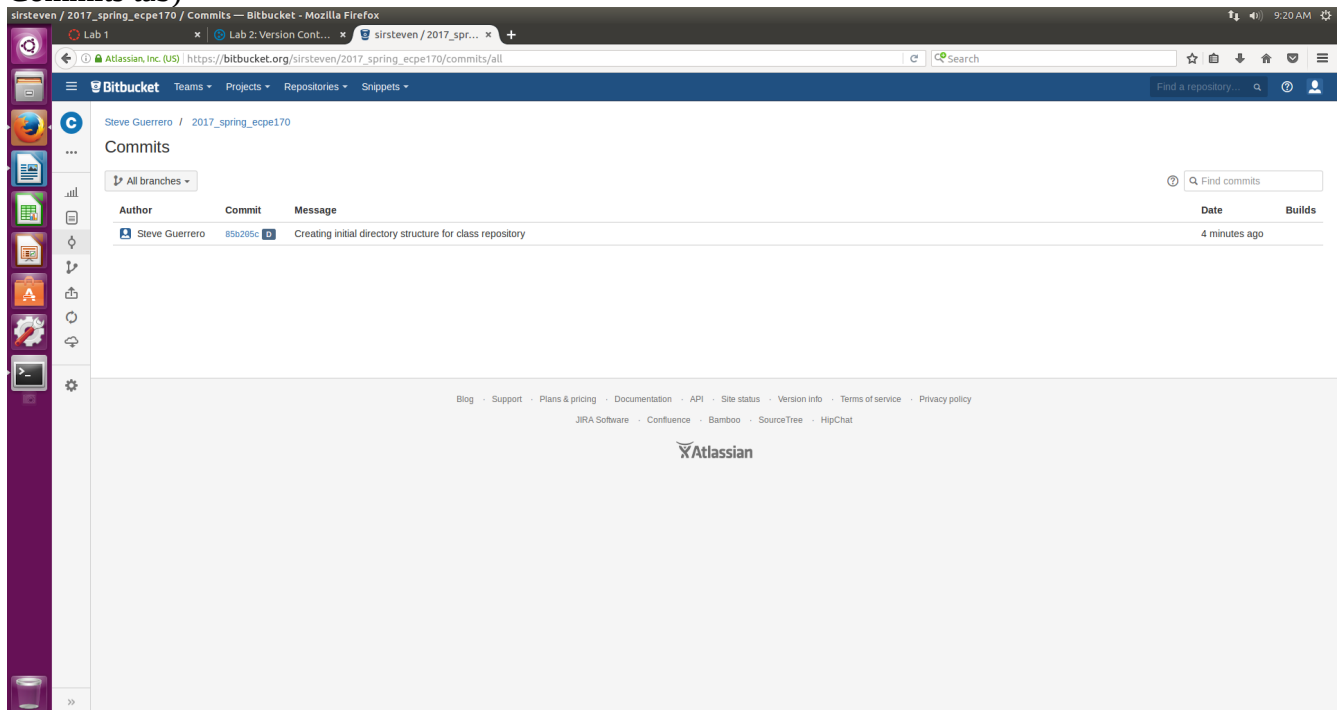

(2) Take a Screenshot (using the Ubuntu Screenshot tool) showing what the BitBucket source view looks like at this point.
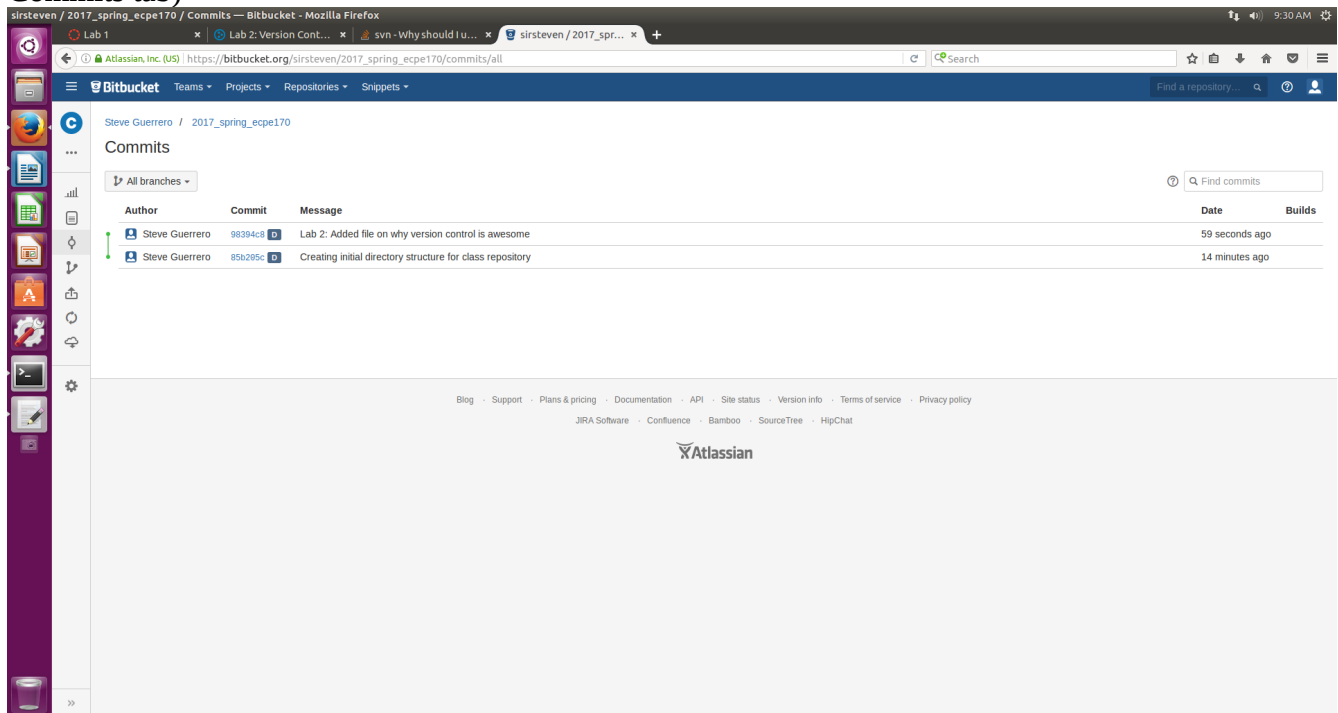
(3) Take a Screenshot showing what the BitBucket source view looks like at this point.

(4) Take a Screenshot showing what the BitBucket version history looks like at this point (under the Commits tab)

(5) Take a Screenshot showing what the BitBucket version history looks like at this point (under the Commits tab)

6) What does the line starting in --- represent?

It show the original copy of the file and when it was created

(7) What does the line starting in +++ represent?

It shows the modified version of the original and at what time it was modified

(8) What do the lines starting in + represent?

The + signs shows the changes or modifications that have been added to the original copy

(9) Can you guess what a line starting in - would represent? (Depending on the edits you made, you might have a few of these lines too)

The - signs shows the changes or modifications that have been removed to the original copy.

(10) What benefits would a large team of developers get from version control? Identify at least two.

Large teams would have access to the master copy and be able to work concurrently on the same program or document, making progress much faster. They would also be able to see who made the changes in the program or document.

(11) What benefits would a single developer (working alone) get from version control? Identify at least two.

The single developer would have a history of all of the modifications he/she has made and revert to an older, working version. They can use it as a backup for their files.

(12) What kind of files should you put in version control?

Source code, scripts, HTML files, or configuration files

(13) What kind of files should you not put in version control? Why?

Binary data, because you can easily compile your program into an executable file. Temporary files or plain text will also just take up space.

(14) What is the difference between an add, commit and a push?

Add places the file in the local repository on your computer. Commit tracks the changes and prepares them to be pushed to the remote repository. Push sends the changes made in your local repository to the remote repository.

(15) Why is it better to use hg cp instead of plain-old regular cp to copy a file within the repository?

Because when there are changes made to the original copy the changes will also be made in the copied files.