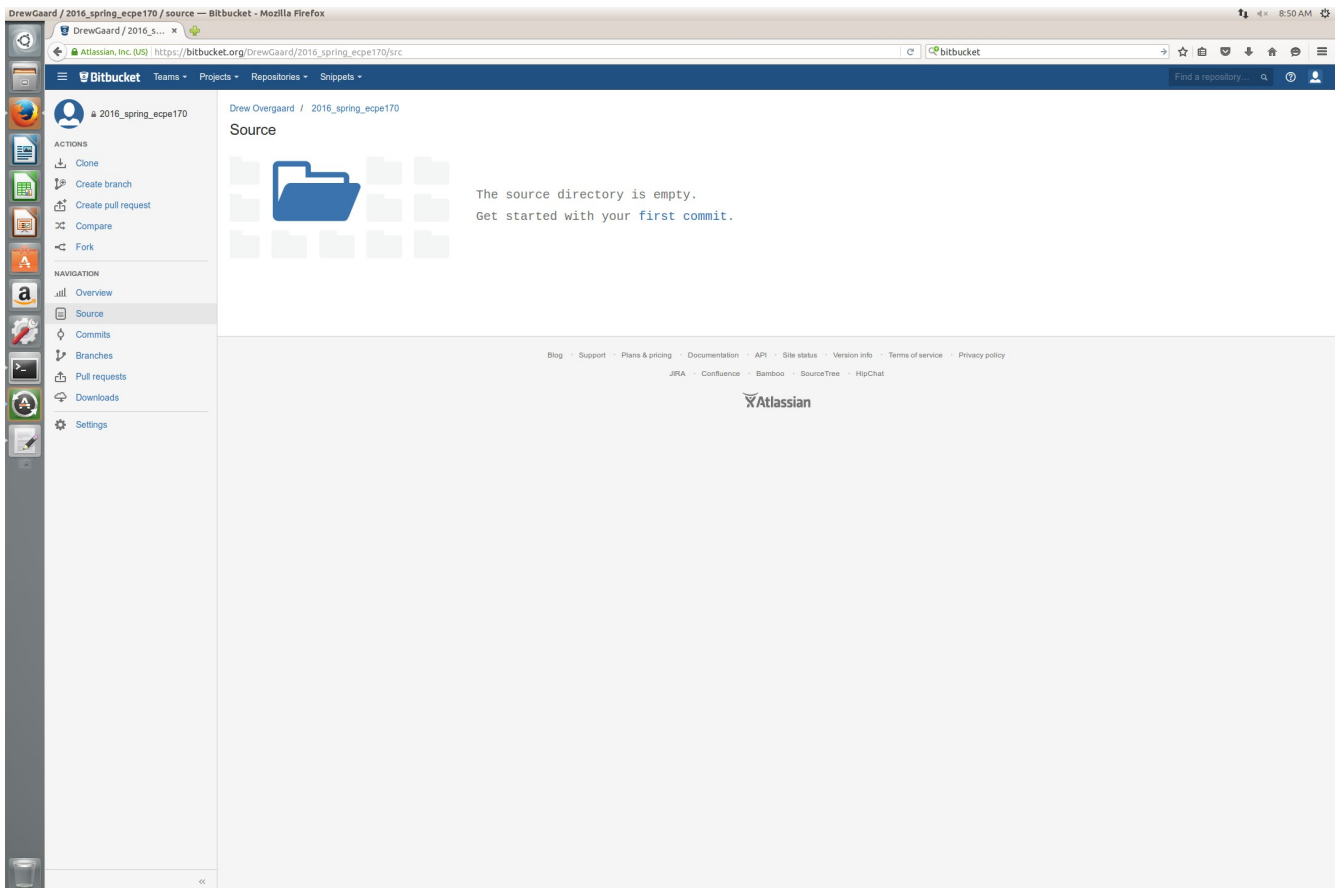
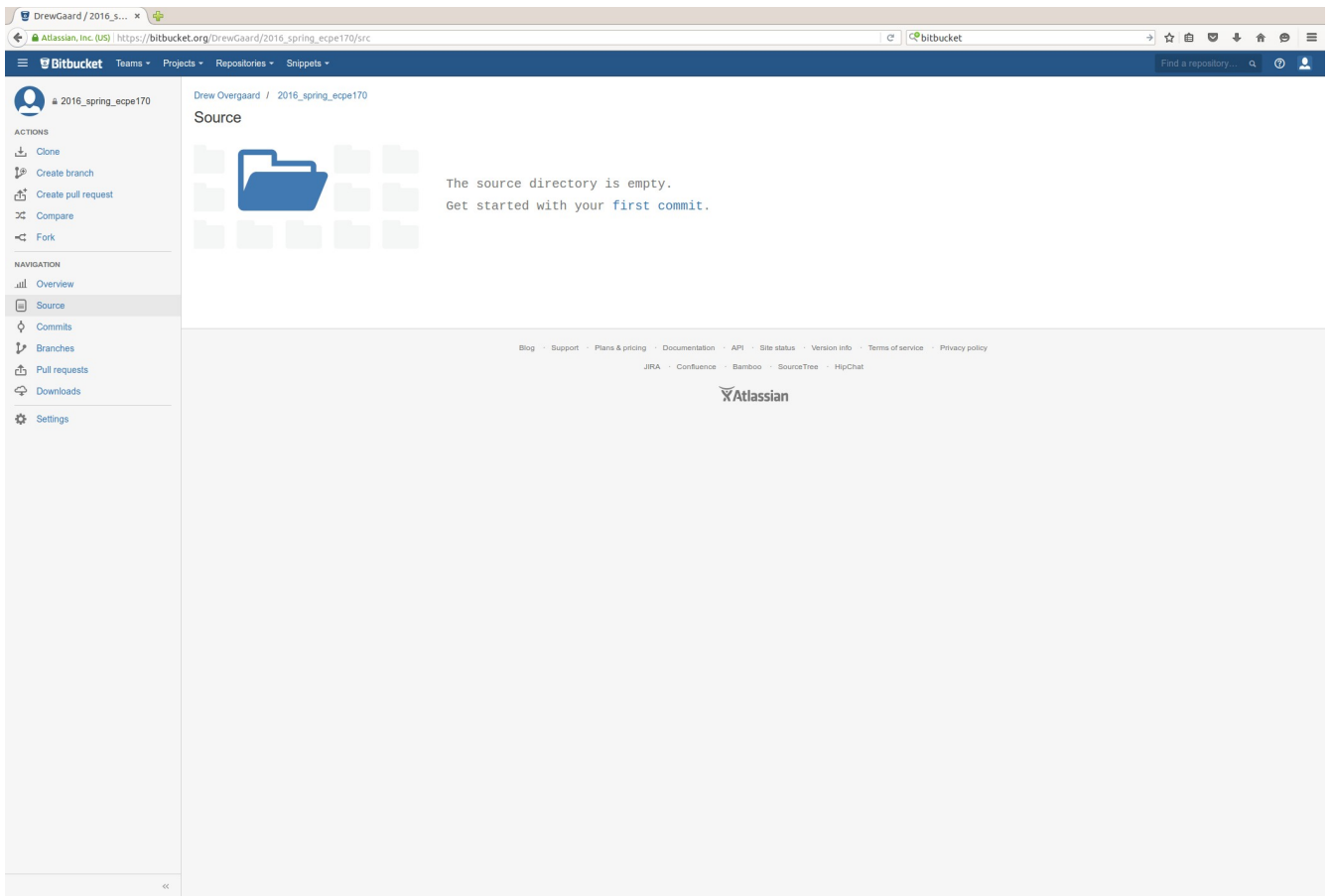


# Lab Report

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

**Name:** Drew Overgaard

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



DrewGaard / 2016\_spring\_ecpe170 / source — Bitbucket - Mozilla Firefox

Bitbucket Teams Projects Repositories Snippets

Find a repository...

2016\_spring\_ecpe170

ACTIONS

- Clone
- Create branch
- Create pull request
- Compare
- Fork

NAVIGATION

- Overview
- Source
- Commits
- Branches
- Pull requests
- Downloads
- Settings

### Source

default 2016\_spring\_ecpe170 / New file

- lab02
- lab03
- lab04
- lab05
- lab06
- lab07
- lab08
- lab09
- lab10
- lab11
- lab12

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### Commits

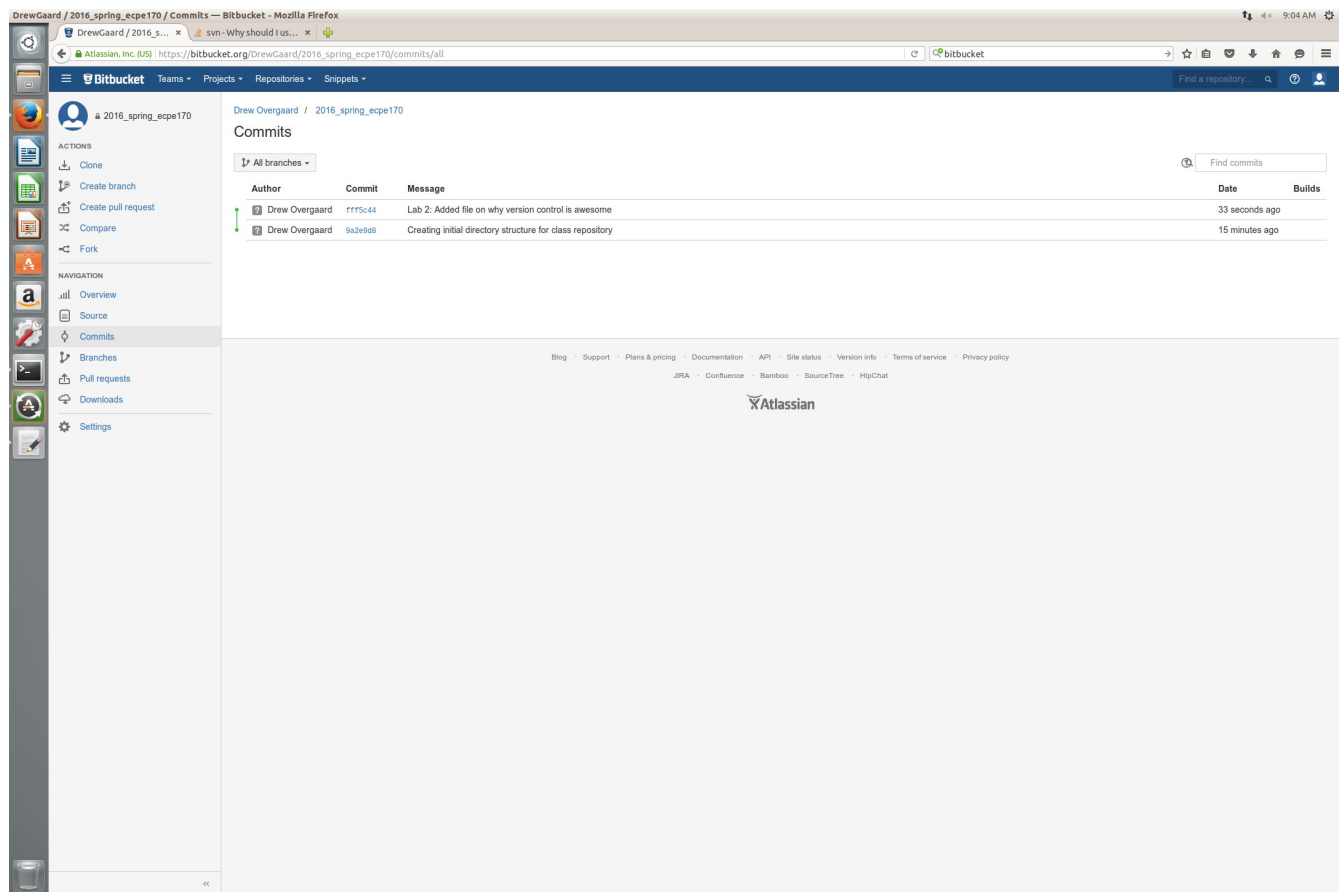
All branches Find commits

Author	Commit	Message	Date	Builds
Drew Overgaard	9a2e9d8	Creating initial directory structure for class repository	4 minutes ago	

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**Above are the images for questions 1-5 in that order.**

**Question #6:**

What does the line starting in – represent?

**Answer:**

The --- line represents the last time that I did a commit.

**Question #7:**

What does the line starting in +++ represent?

**Answer:**

The +++ indicates the last time I made a change to the file.

**Question #8:**

What does the line starting in + represent?

**Answer:**

The lines starting with + indicate the everything new that was added to the file after the last commit.

**Question #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)

**Answer:**

A line starting with - would indicate lines that had been removed from the last commit.

**Question #10:**

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

**Answer:**

One benefit of a large team using version control is that all the developers have access to various edits of project files and are able to make changes without modifying the original copies. Another benefit is that version control allows for you to see who has made what changes, which allows people to see who's making what changes.

**Question #11:**

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

**Answer:**

A single developer would also get the benefit of having a backup of all previous versions of their files. A single developer also has the benefit of being able to save a copy of whatever their working on anytime they want and they can merge files together if they need to.

**Question #12:**

What kind of files should you put in version control?

**Answer:**

You can place any type of text file in version control. For example source code.

**Question #13:**

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

**Answer:**

You should not store binary files or executable files in version control. These should not be places in version control because they take up space and may cause problems when dealing with bugs and keeping track of edits.

**Question #14:**

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

**Answer:**

'add' will add the file to version control. 'commit' will save a snapshot of all the files that mercurial is tracking. The 'push' command will push from the local repository to the BitBucket repository.

**Question #15:**

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

**Answer:**

It's better to use the hg cp command when copying a repository over the regular cp command because the hg cp command preserves history.