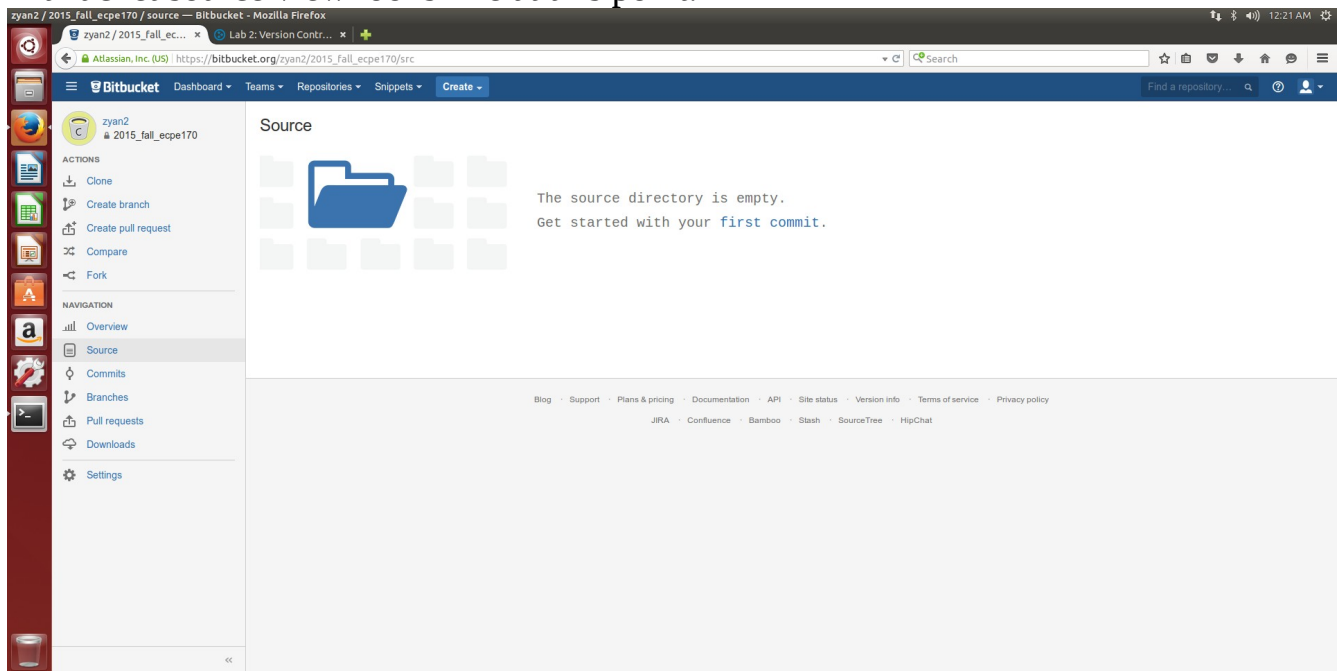


Lab Report

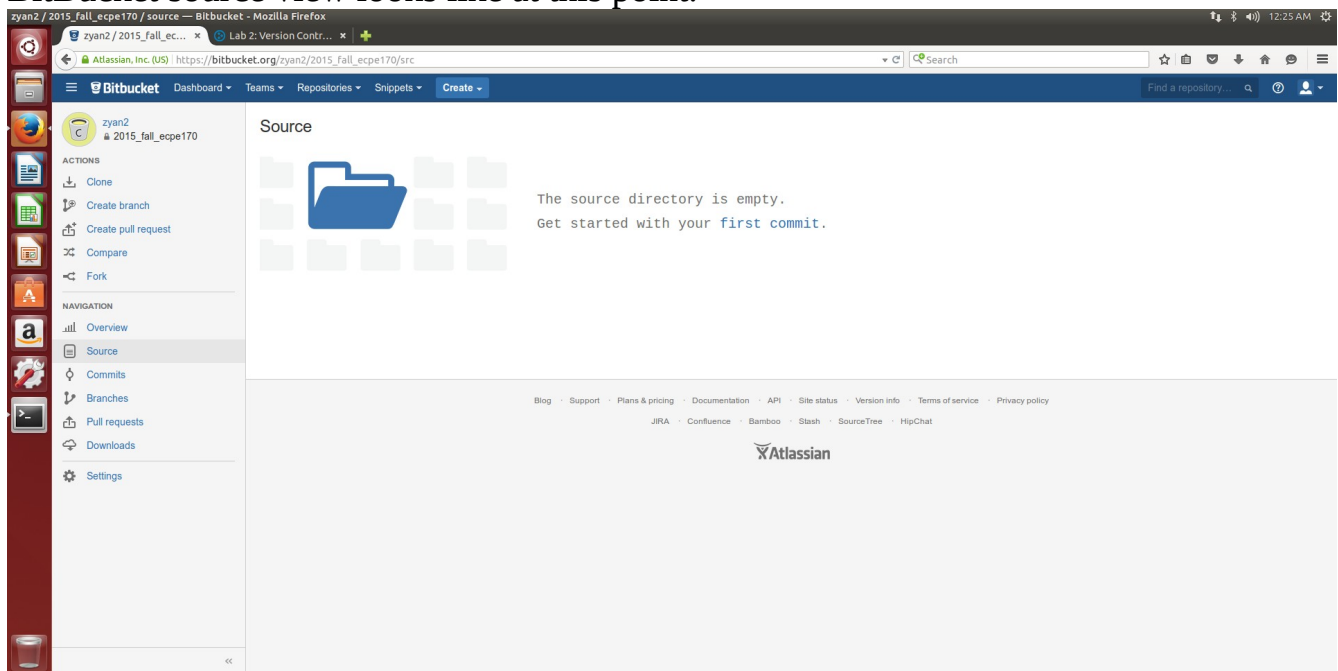
ECPE 170 – Computer System and Networks _ Fall 2015

Name: Zhiyun Yan
Lab Topic : lab2 Version Control

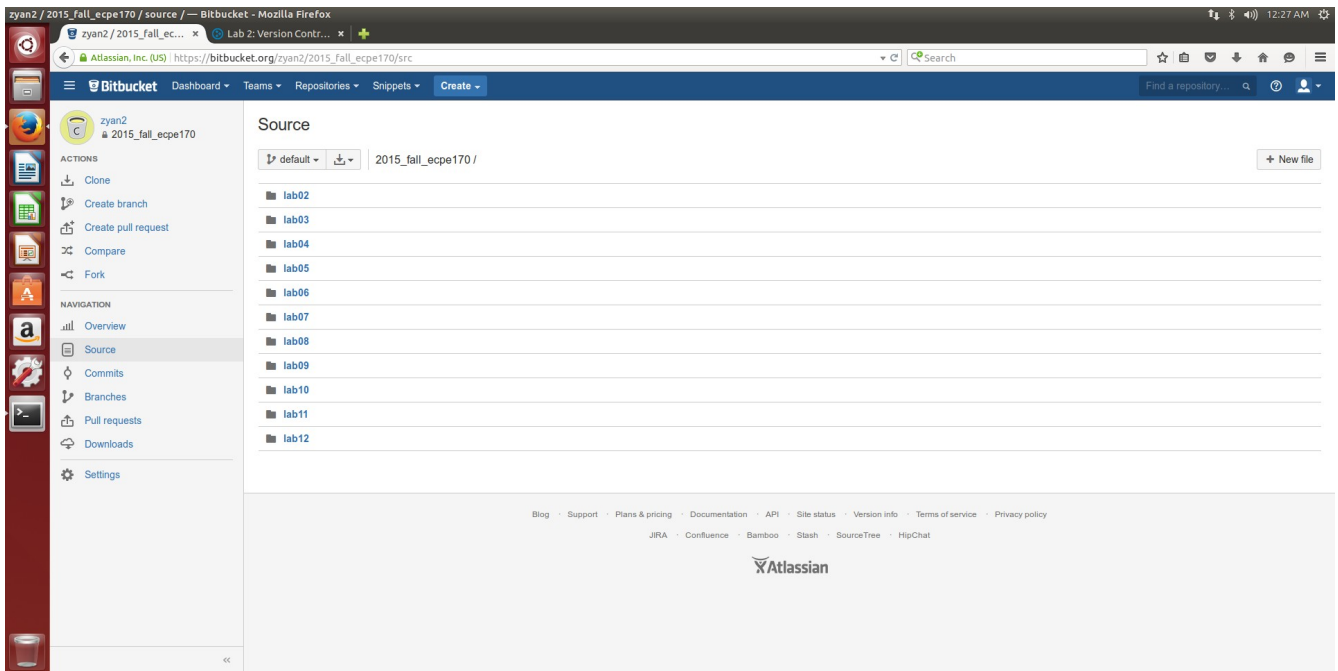
Question 1: Take a Screenshot (using the Ubuntu Screenshot tool) showing what the BitBucket source view looks like at this point.



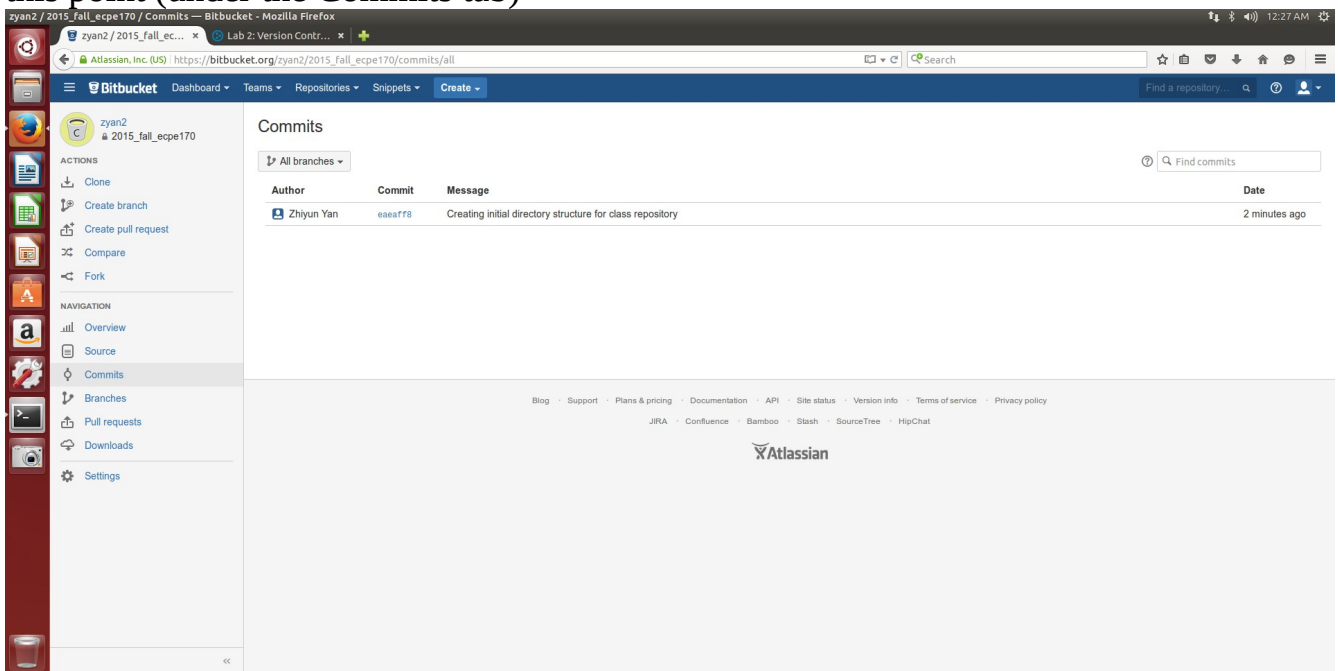
Question 2: Take a Screenshot (using the Ubuntu Screenshot tool) showing what the BitBucket source view looks like at this point.



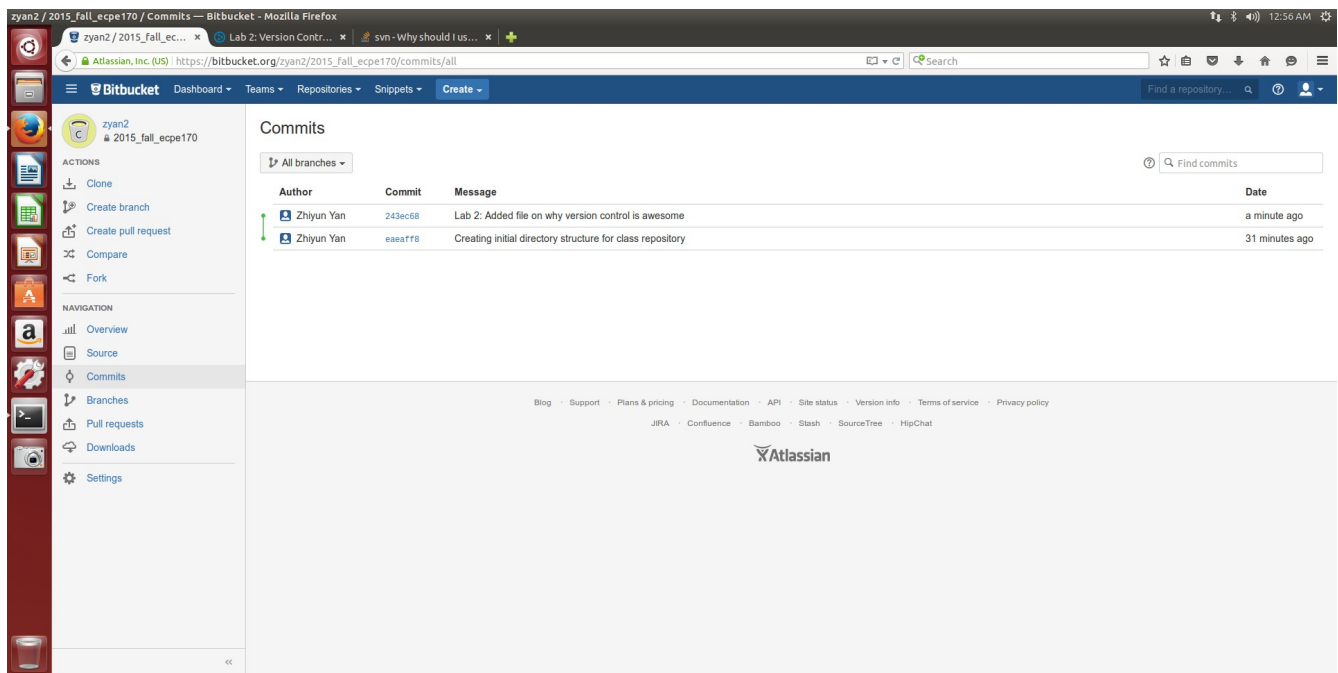
Question 3: Take a Screenshot showing what the BitBucket source view looks like at this point.



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



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



Question 6: What does the line starting in --- represent?

Answer: Remove the old text in files

Question 7: What does the line starting in +++ represent?

Answer: Add new text in files

Question 8: What do the lines starting in + represent?

Answer: This text is added in old files

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: Delete the text from old files.

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

Answer:

1. The member of team can review the old version and can easy know who edit the file in what time.
2. The member can edit the same file in version control system. They can work together.

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

Answer:

1. Developer can knew what is the history versions of code, and Roll-back to earlier.
2. Developer can find different from history versions of code, it is easy to find bugs.

Question 12: What kind of files should you put in version control?

Answer: Program source code, VHDL / Verilog files, Matlab scripts, HTML files, Server configuration files, text files.

Question 13: What kind of files should you **not** put in version control? Why?

Answer: anything auto-generated by the compiler, Binary data, text editor files, big risk in putting the executable in version control

Question 14: What is the difference between a commit and a push?

Answer: The commit command saves a snapshot of all files that Mercurial is tracking, this is used in local repository. Push will save the file in remote 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: `cp` command only copy files in local file system. The `hg cp` command is connect the remote repository.