CS 232 Introduction to C and Unix

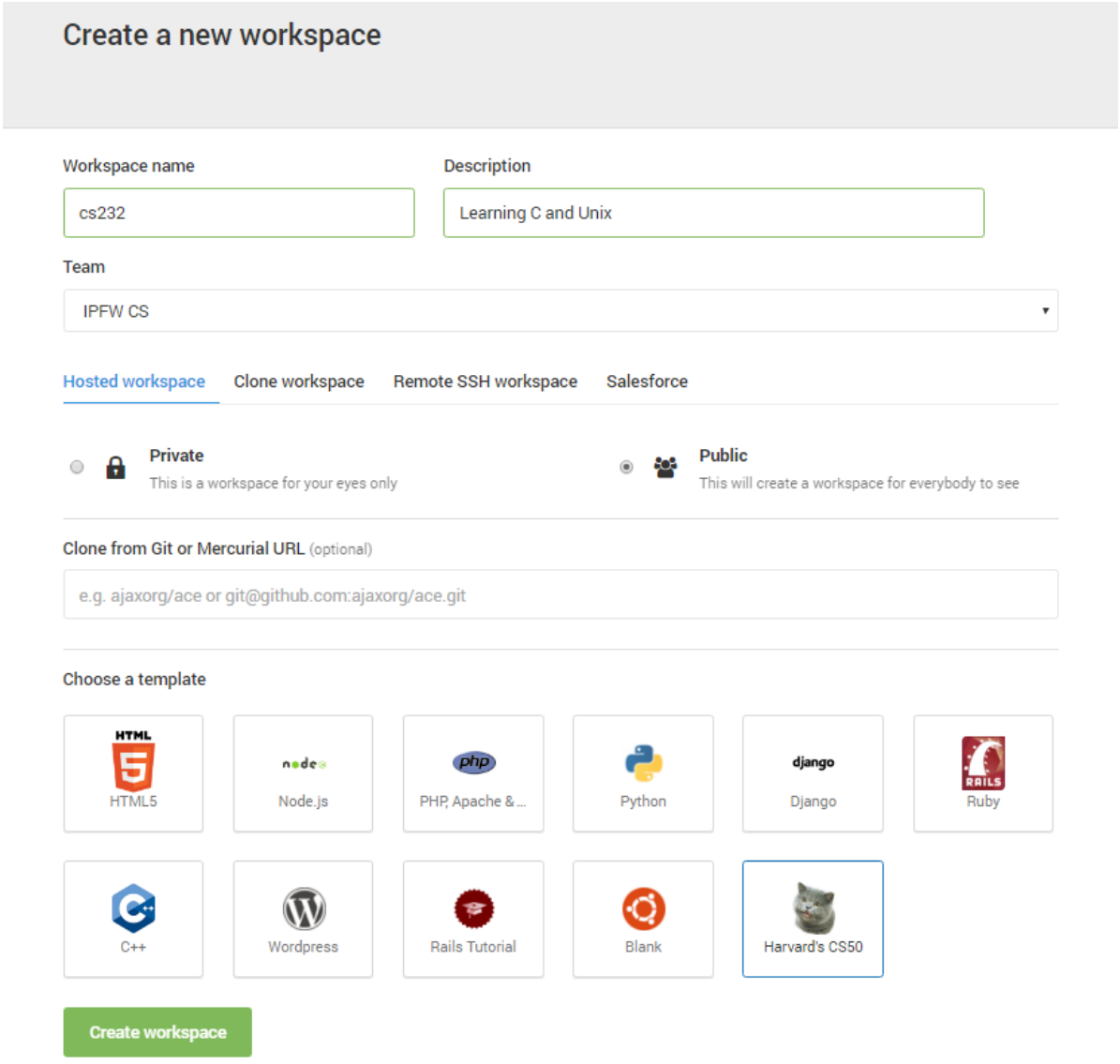
HW1 (Due on Jan. 19, 1:30pm)

The goal of this homework assignment is to let you create accounts at Cloud9 and Bitbucket, and make sure that you are able to upload your code to Bitbucket.

(1) Cloud 9 account.

a. You should have received an invite email from the cloud9 system. If not, please let the instructor know as soon as possible. Please follow the invite to create an account at Cloud9 **without** the credit card number.

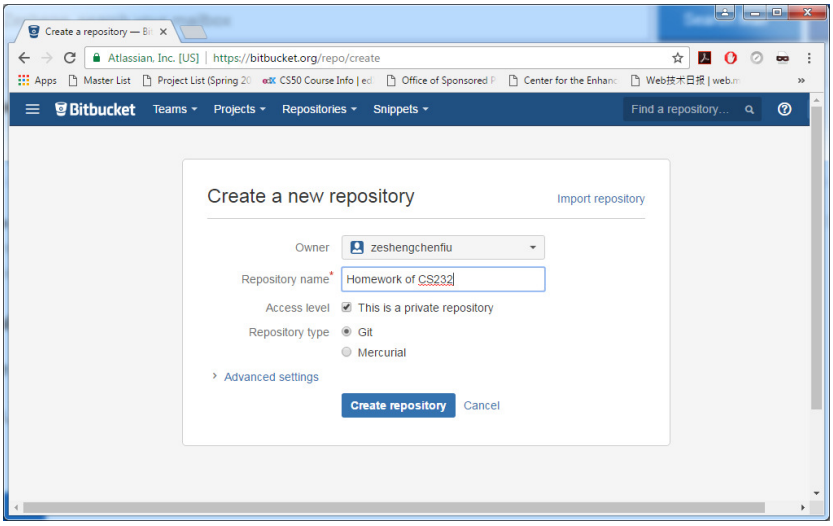
b. Create a new workspace using the "Harvard's CS50" template, like



(2) Bitbucket account.

a. Please go to Bitbucket Website https://bitbucket.org/ to sign up.

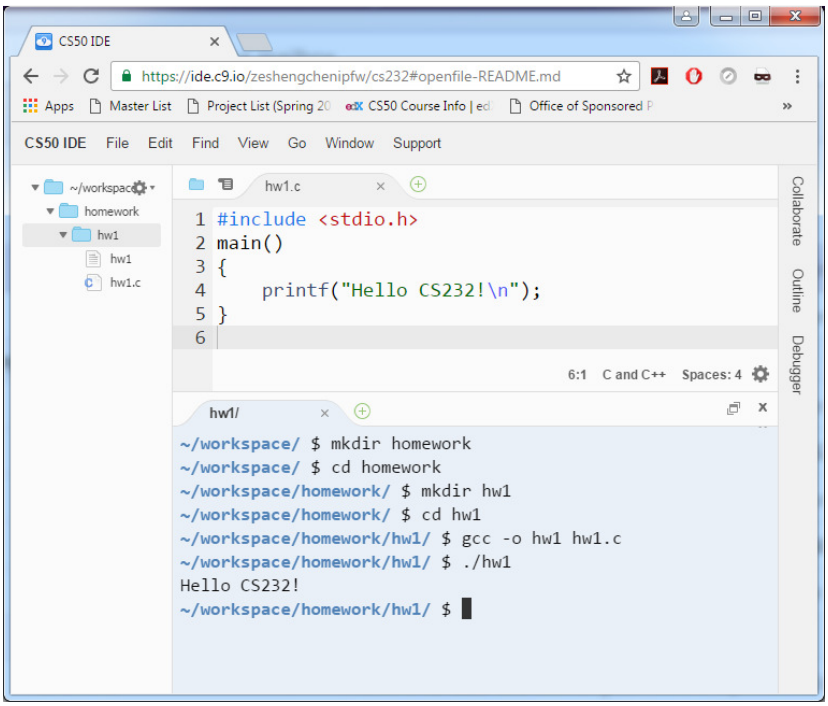
b. Create a new repository and name it "Homework of CS232".



Make sure that you check “This is a private repository” and choose “Git” for “Repository type”.

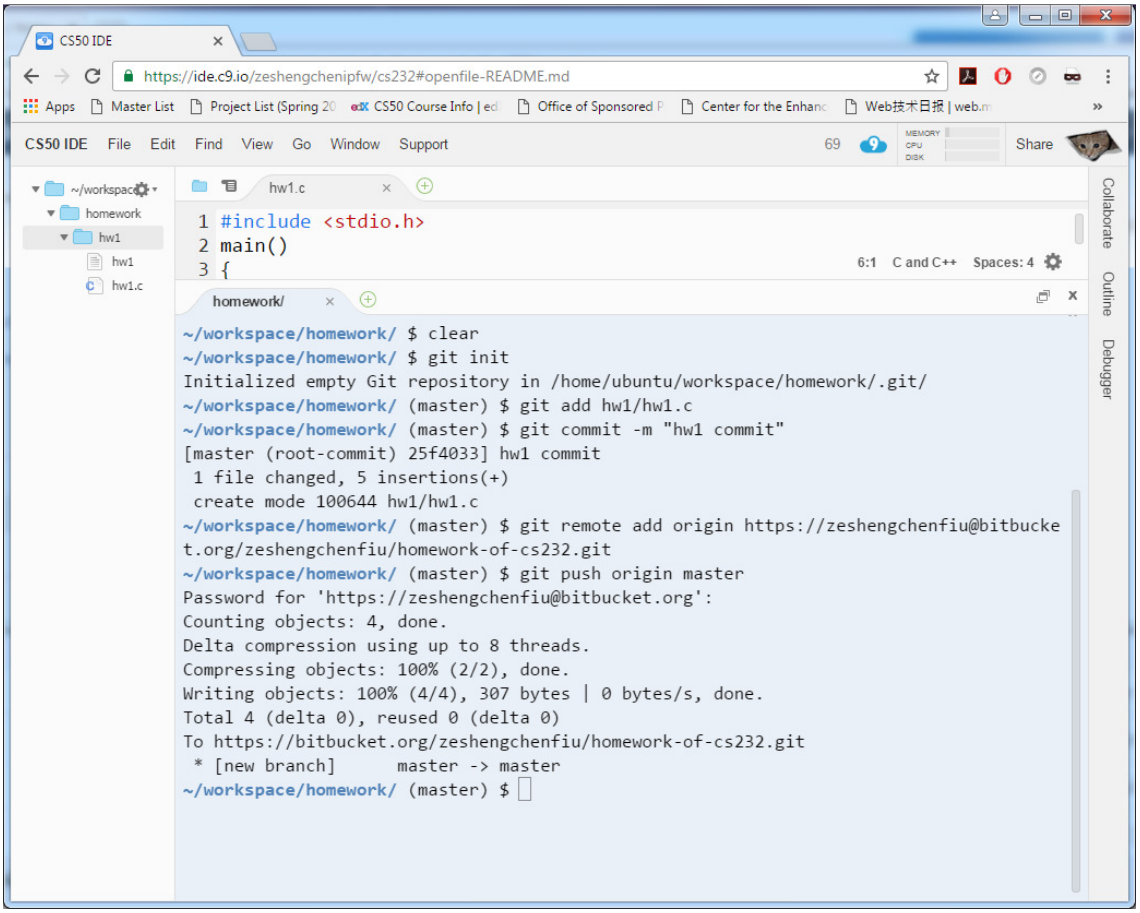
(3) Upload code.

a. In Cloud 9, use “mkdir” create a new directory “homework”. Under the “homework” directory, create a new subdirectory “hw1”. In “hw1” directory, create a new file “hw1.c” that prints “Hello CS232!”

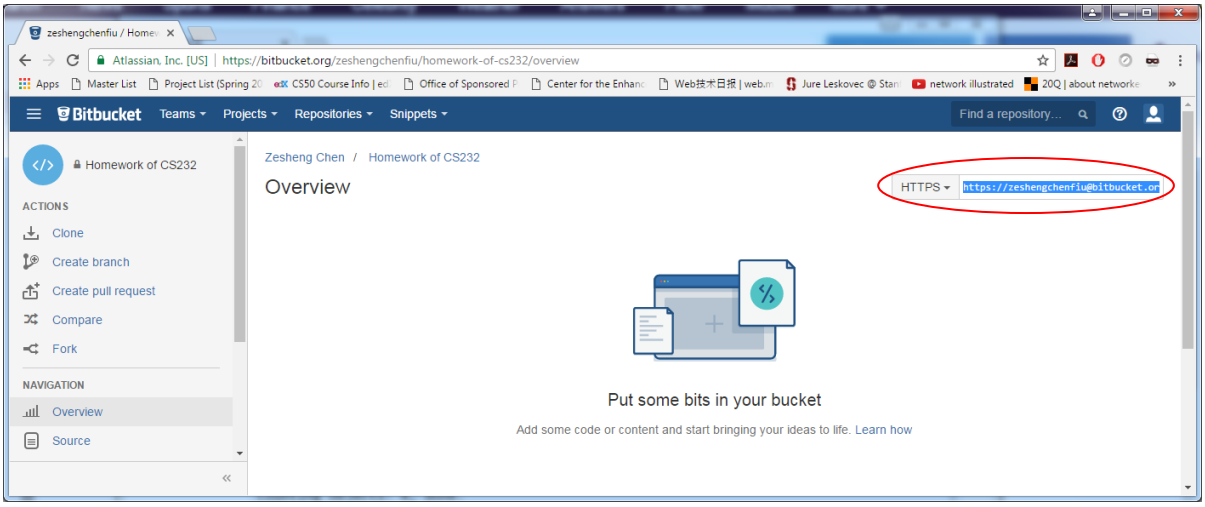


Please make sure that the program can be compiled and run correctly.

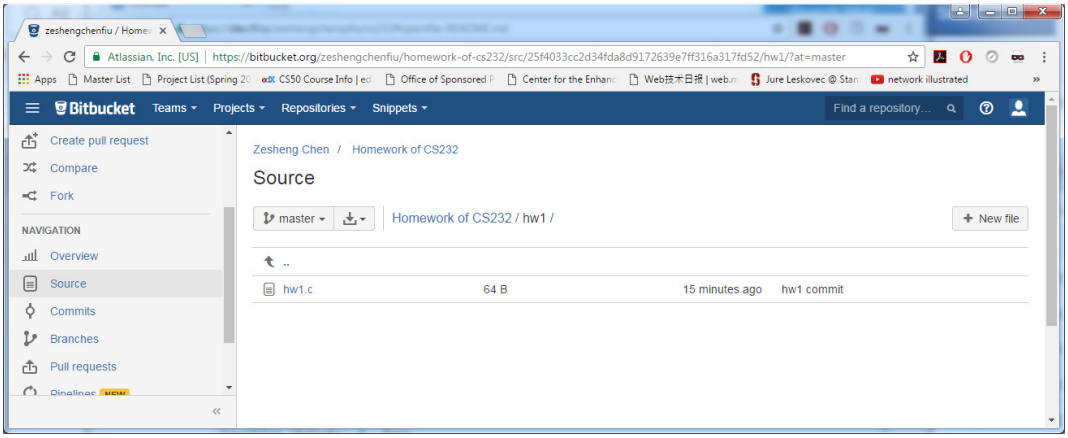
b. Under “homework” directory, use Git to create a repository, add and commit “hw1.c” file, and upload/push the code to your Bitbucket repository.



The Bitbucket repository link is at:

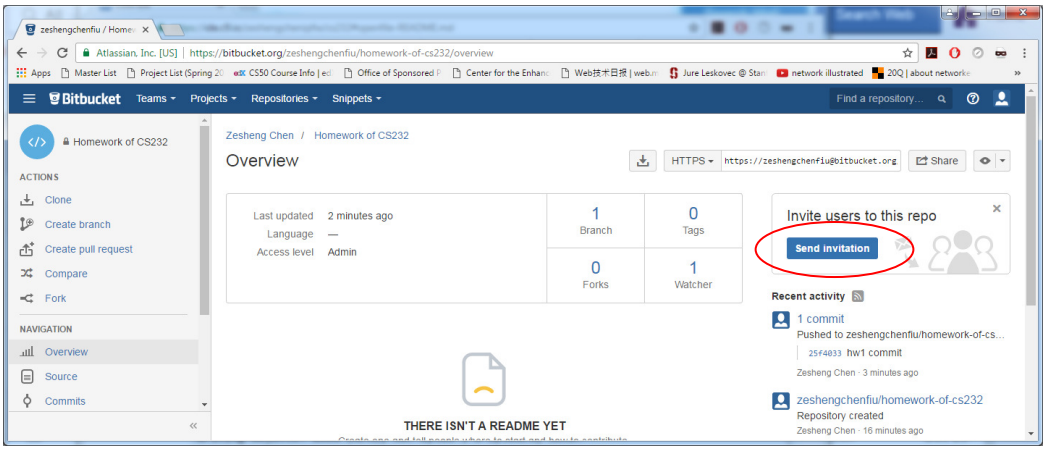


After pushing the code, in your Bitbucket repository, you should be able to see in "Source" tab, there is "hw1" directory, under which there is a file "hw1.c":

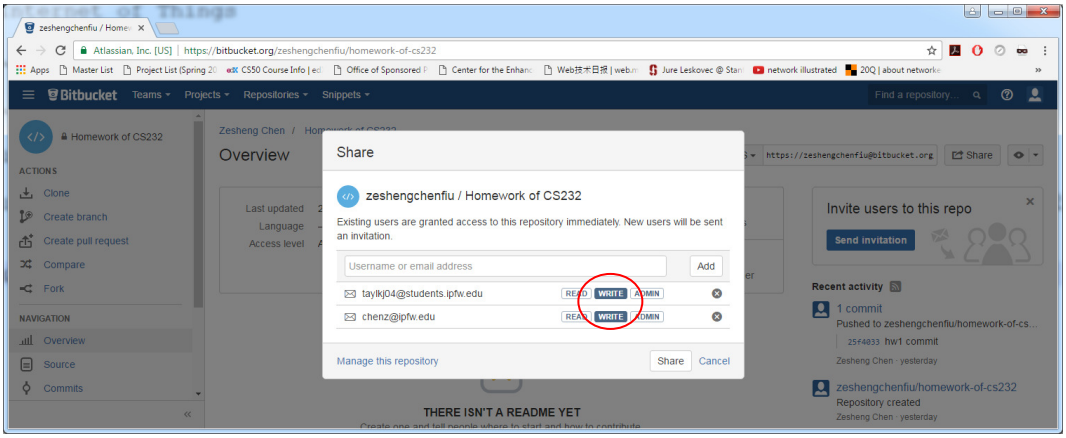


(4) Invite TA and Instructor to your Bitbucket repository.

a. After uploading "hw1.c" code from Cloud9 to your Bitbucket repository, reflash the "Overview" page at Bitbucket repository. The page should look like



b. Click the "Send invitation" button, and invite the TA and the instructor to join the repository through email addresses taylkj04@students.ipfw.edu and chenz@ipfw.edu.



Please make sure to select “WRITE” permission in the above figure. Then, click “Share” button.

TA and instructor will accept your invitation, and will be able to view your homework submissions at Bitbucket and upload the score file to your Bitbucket repository.

If you have any questions, please let the instructor know.

Grading rubric:

- Create a Cloud9 account and workspace using “Harvard’s CS50” template – 20pt
- Create a Bitbucket account and invite TA and instructor (with write permission) to “Homework of CS232” repository – 20pt
- Push the code to Bitbucket under hw1 directory using Git – 20pt
- Program “hw1.c” can be compiled – 20pt
- Program “hw1.c” can run correctly and print “Hello CS232!” – 20pt

Total: 100 points.