

## CS 5600 Homework 0

1. Activate your Piazza account - you should have received a registration email; if not, you can sign up at <http://piazza.com/northeastern/fall2012/cs5600>
2. Find a homework partner and sign up as a group together on Piazza, using the "Form project teams & study groups" tool. If you are looking for a partner, you can fill out a brief profile and send "partner" requests to other students. If you already know who you're partnering with, please register your group on Piazza anyway.
3. Get a CCIS Unix account.
4. Set up Git access - see the file `git-instructions.pdf` uploaded to Blackboard and Piazza - and check out the repository `<userid>-hw0`

```
git clone gitolite@xevious:<userid>-hw0
```

where `<userid>` is your NEU/Blackboard user ID.

5. Get a photo of yourself - preferably of your face, rather than a large landscape with a small person in the middle of it - and put it in your Git repository:

```
cd user.id-hw0
cp /somewhere/mypicture.jpg .
git add mypicture.jpg
git commit -m 'my picture' mypicture.jpg
git push
```

6. Log in to a CCIS workstation, either locally or remotely, and check out a copy of your Homework 0 Git repository. Create a C program named "homework.c" which counts from 0 to 9 using a loop, printing each number, in this directory.

Compile it with debugging (`-g`) and run it under the `gdb` debugger. Step through it until it has incremented the loop variable several times, then execute the following commands in the debugger: "info locals", "where", and "list".

After you have done this, add the file to your git repository, commit it, and push it to the server:

```
git add screenshot.png
git commit -m 'a screenshot' screenshot.png
git push
```

Note - to take a screenshot in Ubuntu Linux (i.e. on a workstation in the lab) you can use Applications->Accessories->Take Screenshot. In Windows press `PrtSc` (print screen) which will copy a screenshot into the clipboard; then you can paste it into Paint (All Programs -> Accessories -> Paint) and then save it. On a Mac `Command-shift-3` will save a copy of your entire screen to a file on your desktop named "Screen shot <date> at <time>.png"; alternately `Command-shift-4` will let you select part of the screen to capture.