

GitHub Assignment 1

1 INTRODUCTION

Version control is a critical tool for professional engineers. Read about it here:

<https://www.bignerdranch.com/blog/you-need-source-code-control-now/>

Git has become that dominant system for version control, and GitHub is an extremely popular service that offers free Git repository hosting. I have set up an area on GitHub for our class, but you will need to register for yourself.

2 REGISTER FOR A GITHUB ACCOUNT AND SEND ME YOUR USERNAME

Go to www.github.com and register for a GitHub account.

Send an email to me at:

pearlstl@tcnj.edu

Subject: My GitHub username is <fill in your username here>

You don't need anything in the body of the email.

3 WAIT FOR ME TO INVITE YOU TO THE TCNJ-ELC411 ORGANIZATION

While you're waiting you can learn about Git:

<https://try.github.io>

http://rogerdudler.github.io/git-guide/files/git_cheat_sheet.pdf

<http://rogerdudler.github.io/git-guide/>

<http://product.hubspot.com/blog/git-and-github-tutorial-for-beginners>

You can install software on your PC. In the labs we have "Git for Windows 2" and the TortoiseGit GUI.

I want you to be able to do a simple subset of Git operations:

- clone
- add
- commit
- pull
- push

4 CHECK IN A FILE

I will create a repository that only you and I can access, and send you a link. If you request I will add lab partners to your repo.

Clone the repo that I send you a pointer to.

Create a new text file under a top-level subdirectory¹ called 'junque', called 'blah.txt'. Put in some text, like your favorite quotation or some code that you just wrote.

Check that file in to the repo using:

add

commit

push

¹ Note – in Git the top level directory for the default branch is called 'master', so your file would live at: master/junque/blah.txt. Master can be anywhere on your computer (or a lab computer), depending on where you cloned the repo.