

Advanced Homework 9

Assigned: Friday, March 11th

Due: Before the first lecture on Friday, March 25

Building a Command Reference

A few weeks ago, we collected all of the commands that we have seen in this class so far. Now we're going to take that list and build up a reference resource for current and future students. We've gotten things started at c4cs.github.io/reference.

The idea here is that you are best qualified to generate examples that are accessible to you and useful for you.

GitHub Pages

Notice how the course homepage is c4cs.github.io? GitHub has a really neat feature called [GitHub Pages](#), that will turn a repository into a website – hosted for free.¹ What's really nice about this is that it means it is very easy for many people to collaborate to develop a website, it's just a repository!

In the simplest setup, GitHub will simply serve the files in the repository as static web pages. Writing lots of HTML by hand, however, can be a pain, so GitHub supports a *site generator*, [jekyll](#). Using jekyll, adding an update to the homepage is as simple as adding [a text file](#). The site will also [automatically hide updates older than one month](#).

Getting Going

First, install ruby: `sudo apt-get install ruby ruby-dev zlib1g-dev`

Then, install [bundler](#): `sudo gem install bundler`

Now grab a copy of course website repository (<https://github.com/c4cs/c4cs.github.io>), and follow the directions in the readme.

Once things are running, it should print out

```
Server address: http://127.0.0.1:4000/
```

Visit <http://127.0.0.1:4000/> in your browser and you should see your own local copy of the course website! Try making some changes to the site and then refresh the page in your browser.

The Assignment:

Choose one of the commands that have not yet been documented and add documentation for it. Alternatively, pick a command that isn't on the list and add documentation for it. Check out `ls` as a good, complete example.

Once you have made your changes, issue a [Pull Request](#).

We'll look over your changes and give you feedback. Once we merge your changes, this assignment is complete!

¹ My [personal website](#) is also [hosted this way](#), though it does not use jekyll.