CS50 Week 7

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Agenda: Transition to Web Programming

File Permissions & chmod

HTML & CSS

TCP/IP/HTTP

Problem Set 6

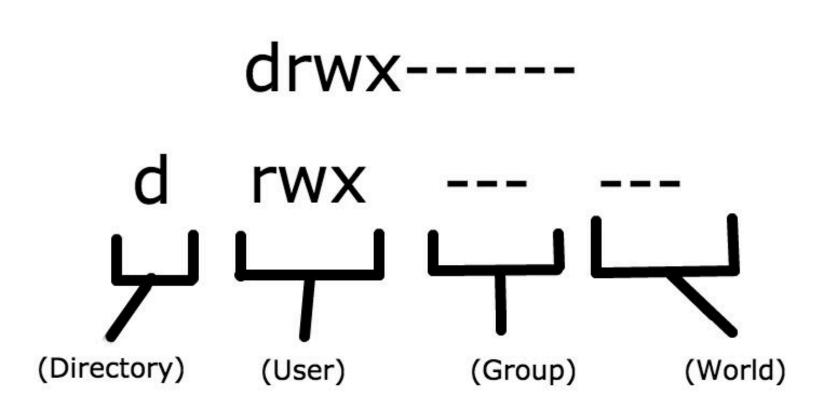
File Permissions

Files in the file system are differently visible to different users.

Examine permissions: 1s -1

Permission flags: d, r, w, x

Permissions: detail



chmod

chmod is a unix utility for changing file permissions.

Chmod takes 2 args:

(1) A change or a setting

(2) A target (file, set of files, dir, set of dirs)

chmod examples

chmod a+r file.txt
chmod 711 direcotry
chmod file.txt
chmod 600 file.php

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chmod 600 file.php
Takeaway: boring but important!

HTML

Hypertext Markup Language
Once you know HTML syntax, you know HTML.
Every tag that gets opened must get closed.

HTML Tips & Tricks

Use the W3 Validator (http://validator.w3.org/)

Reference these cheatsheets:

<u>html</u>

<u>CSS</u>

Crash Course on CSS Selectors

Tag selectors are applied to all elements of a certain type (p, h1, span, etc.)

Class selectors are applied to all elements with that class

ID selectors are applied to the element with that id (bad practice to give more than 1 the same ID!)

CSS: Select by Tag

```
p {
   text-align: center;
}
```

CSS: Select by Class

```
<pcle><pcle>class="ppg">
.ppg {
    font-size: 100;
}
```

CSS: Select by ID

```
Sam
#name {
    color: orange;
}
```

TCP/IP

TCP: Transmission Control Protocol, used to guarantee that every message that needs to get somewhere gets there.

IP: Addressing system.

Reference the lecture notes for the things you need to know.

Problem Set 6

Lots to read!
String manipulation
File I/O