

Project 0: Setup

due Monday, 27 September 2010, noon ET

Goals.

- Make sure you're comfortable with XHTML and CSS.
- Lay the foundation for Projects 1 and beyond.

Recommended Reading.

- *HTML, XHTML, and CSS: Your visual blueprint for designing effective Web pages:* chapters 1 – 11, 13, 14, 18, and 19; appendices A, B, and C.
- <http://www.howstuffworks.com/dns.htm>
- <http://www.howstuffworks.com/web-server.htm>
- <http://www.w3schools.com/xhtml/>
- <http://www.w3schools.com/css/>

Academic Honesty

All work that you do toward fulfillment of this course's expectations must be your own unless collaboration is explicitly allowed by some project. Viewing or copying another individual's work (even if left by a printer, stored in an executable directory, or accidentally shared in the course's virtual terminal room) or lifting material from a book, magazine, website, or other source—even in part—and presenting it as your own constitutes academic dishonesty, as does showing or giving your work, even in part, to another student.

Similarly is dual submission academic dishonesty: you may not submit the same or similar work to this course that you have submitted or will submit to another. Nor may you provide or make available your or other students' solutions to Project 0, Project 1, Project 2, or Project 3 to individuals who take or may take this course (or CSCI S-75) in the future.

You are welcome to discuss the course's material with others in order to better understand it. You may even discuss problem sets with classmates, but you may not share code. You may also turn to the Web for instruction beyond the course's lectures and sections, for references, and for solutions to technical difficulties, but not for outright solutions to problems on projects. However, failure to cite (as with comments) the origin of any code or technique that you do discover outside of the course's lectures and sections (even while respecting these constraints) and then integrate into your own work may be considered academic dishonesty.

If in doubt as to the appropriateness of some discussion or action, contact the staff.

All forms of academic dishonesty are dealt with harshly.

Google Group

- Head to <http://groups.google.com/group/cs75-2010-fall> and sign up for Fall 2010's Google Group. In a recent email, we accidentally encouraged you to subscribe to the course's OpenCourseWare list (`cs75-discuss`), on which you're welcome to remain; but definitely sign up for `cs75-2010-fall` specifically, else you'll miss announcements and discussions.

Go Daddy

- Surf on over to <http://godaddy.com/> (or your preferred registrar) and buy yourself a domain. Any TLD is fine by us! And it shouldn't cost you more than a few dollars (say, \$11.44 plus taxes and fees). A "registration length" of just one year is fine, and beware Go Daddy's incessant attempts to up-sell you! Certainly do not pay for hosting, as we'll be doing that for you. If you'd like to keep your name and address out of the public WHOIS database, you might want to pay a bit extra for "Private Registration."

Unfortunately, Go Daddy's interface isn't the most straightforward; figuring out how to check out is part of the challenge! If you don't have one already, you'll need to create a "Customer Account" before you can check out.

Be sure to remember your Customer # (or Login Name) and password!

- Once you've purchased your domain, create a CNAME record that maps `projects.domain.tld` to `cloud.cs75.net`, where `domain.tld` is your own domain name; if you'd prefer to choose a subdomain other than `projects`, that's fine. How to do so? Let's piggyback off of Google's instructions:

<http://www.google.com/support/a/bin/answer.py?hl=en&answer=47610>

However, don't map your subdomain to `google.com` or `ghs.google.com`; map it to `cloud.cs75.net`.

If you decided to procure your domain name from someone other than Go Daddy, Google offers instructions for other registrars as well:

<http://www.google.com/support/a/bin/answer.py?hl=en&answer=47283>

Thanks, Google!

Anyhow, as an aside, if you'd like to equip your domain with email (and more), you're welcome to sign up for Google Apps itself, the Standard Edition of which is free:

<http://www.google.com/apps/intl/en/business/>

Just take care, at a minimum, to map that one subdomain to E-75's cloud for now. You can have it back after term's end!

Cloud

- Once you've purchased your domain and mapped a subdomain therein to E-75's cloud, surf on over to the URL below and tell us a bit about yourself.

`http://www.cs75.net/projects/0/`

Within 72 hours, you should receive an email via your preferred address from `bot@cs75.net` containing a username and password for `cloud.cs75.net`, which you can then access via SSH or SFTP.* **Be sure to remember both!** If you don't receive said email within 96 hours, check your spam folder! If still nothing, drop `help@cs75.net` a note to inquire.

Home Sweet Home

- Alright, it's time to give your subdomain a home on the Web. If you surf on over to `http://projects.domain.tld/`, where `domain.tld` is the domain that you bought, you'll see that there's not all that much there. Yet!

Your final task for this project is to build yourself a website using just XHTML and CSS. This one won't be dynamic, as it's meant to prepare you for the projects ahead. Consider this website your opportunity to experiment with HTML5 or XHTML 1.0 as well as CSS, particularly if you're not very comfortable yet. Use of WYSIWYG tools (*e.g.*, Dreamweaver) is expressly forbidden. You must write your XHTML and CSS "by hand" using only a text editor (*e.g.*, Notepad or TextEdit). Text editors with non-WYSIWYG features like syntax highlighting (*e.g.*, Emacs, Nano, TextPad, TextWrangler, Vim, *etc.*) are allowed and encouraged.

We leave your website's content and style entirely to you, but we require that it meet the specifications below.

- Your website must live at `http://projects.domain.tld/`. Presumably, then, your home page will be called `index.html`.
- Your website must comprise at least three pages, all of which are somehow interconnected via hyperlinks.
- At least one of your pages must make use of CSS.
- Your website's HTML or XHTML markup must be valid (or "tentatively" valid), as judged by `http://validator.w3.org/`.
- Your website must appear and behave the same on at least two major browsers, namely:[†]
 - Chrome 5.x
 - Firefox 3.x or 4.x
 - Internet Explorer 8.x
 - Opera 10.x
 - Safari 5.x

* If unfamiliar, we'll discuss SSH and SFTP in Lecture 2 as well as in sections.

[†] If your website requires certain browsers for proper rendering, be sure to tell us (*e.g.*, in your website's footer).

You are welcome to develop your website anywhere (*e.g.*, on your local machine), so long as you ultimately upload it (as via your control panel or SFTP) to `~/projects/0/`, a path that denotes a directory called `0` in a directory called `projects` in your cloud account's home directory. (We will ensure via a `VirtualHost` directive on `cloud.cs75.net` that the `DocumentRoot` for `projects.domain.tld` is that same directory.) Odds are your files should be `chmod'd` `644` and any directories `711`.[‡]

How to Submit

To submit this project, simply ensure that the files are on `cloud.cs75.net` in `~/projects/0/` by this project's deadline. No need to run any commands to submit. Do take care not to re-upload or edit any files in `~/projects/0/` after this project's deadline, lest your work be deemed late!

[‡] If unfamiliar, we'll discuss SSH and SFTP in Lecture 2 as well as in sections.