

Project 0: Setup

due by 5:30 P.M. ET on Monday, 11 February 2008

Goals.

The goals of this project are to:

- Get you on that Interweb.¹
- Introduce you to XHTML and CSS.
- Lay the foundation for Projects 1 through 3.

Recommended Reading.

Per the syllabus, no books are required for this course. If you feel that you would benefit from some supplementary reading, though, below are some recommendations.

- *HTML: Your visual blueprint for designing Web pages with HTML, CSS, and XHTML:* chapters 1 – 13 and 16; appendices A and B.
- <http://www.howstuffworks.com/dns.htm>
- <http://www.howstuffworks.com/web-server.htm>
- <http://www.w3schools.com/xhtml/>
- <http://www.w3schools.com/css/>

¹ <http://en.wikipedia.org/wiki/Interweb>

Academic Honesty.

All work that you do toward fulfillment of this course's expectations must be your own unless collaboration is explicitly allowed (as by the final 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 classroom) 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 class that you have submitted or will submit to another. Moreover, submission of any work that you intend to use outside of the course (*e.g.*, for a job) must be approved by the staff.

You are welcome to discuss the course's material with others in order to better understand it. You may even discuss projects with classmates, but you may not share non-trivial amounts of code (*e.g.*, entire files). If in doubt as to the appropriateness of some discussion, contact the staff.

You may turn to the Web for instruction beyond the course's lectures and sections and for solutions to technical problems, so long as you cite the origin of any code that you encounter and incorporate into your own work (as with CSS, PHP, or XHTML comments). Failure to cite the origin of any such code may be considered academic dishonesty.

All forms of academic dishonesty will be dealt with harshly.

fas.harvard.edu

0. Activate your FAS (Faculty of Arts and Sciences) Computer Account, if you haven't already, by visiting the URL below and following the on-screen instructions.

<https://www.fas.harvard.edu/computing/utilities/activate-pin/>

Not only will this account will provide you with an email address of the form `username@fas.harvard.edu`, where `username` is your FAS username, it will also enable you to log into and use computers in the Science Center at 1 Oxford Street in Cambridge.

Realize that this account is distinct from the account you will have on `cs75.net`.

Be sure to remember your FAS username and password!

godaddy.com

1. Surf on over to GoDaddy.com and buy yourself a domain. Any TLD is fine by us! And it shouldn't cost you more than a few dollars (say, \$9.99 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!

2. Once you've purchased your domain, return to Go Daddy's home page, and click **My Domains** under **Domains** in the site's top-left corner, logging in with your Customer # (or Login Name) and password if prompted. You should then see a list of domains that you own; click the one you just purchased.

Under **Nameservers** on the page that appears, you'll likely see that your domain is currently "parked" with Go Daddy. Go ahead and click one of those nameservers and, on the page that appears, provide the **Custom Nameservers** below instead:

Nameserver 1: `ns1.cs75.net`

Nameserver 2: `ns2.cs75.net`

Then click **OK**. That's it! Within minutes (or, worst case, a few days), the world should know that `cs75.net` is hosting your domain!

cs75.net

3. Once you've purchased your domain and customized it with the course's nameservers, surf on over to the URL below and tell us a bit about yourself.

<http://cs75.net/surveys/0/>

Within 72 hours, we'll send an email to your current address containing your username and password for cs75.net. **Be sure to remember both!**

4. Once you've received your username and password for cs75.net, surf on over to the URL below and log in with the same to access your domain's "control panel."

<http://panel.cs75.net/>

Pretty neat how much you can do, eh? Poke around a bit, even if you're not (yet) sure what everything does. Try not to break anything. ;-) In particular, don't change anything under **DNS Management, Subdomain Management, or MX Records** unless you know what you're doing! You're welcome to change your password.

If you click **E-Mail Accounts**, you'll see that one address has been created for you automatically. If you'd like to create one or more other addresses within your domain, go ahead and click **Create mail account** and complete the form that appears. (It's fine to leave **Email Quota** as 0.) Incidentally, even if you don't plan on using the address that was created for you automatically, don't try to delete it.

You're welcome to start using your domain for email, certainly for the duration of the semester. In fact, prove that you're now on the Interweb by emailing a quick hello to staff@cs75.net from any address within your domain. You can access your domain's email account(s) via webmail as well as via IMAP, POP, and SMTP. Links to three different webmail interfaces (Squirrelmail, Uebimiau, and Roundcube) can be found on your control panel's home page; pick your favorite! And the email you received from us, containing your username and password for cs75.net, should contain instructions for IMAP, POP, and SMTP.

domain.tld

5. Alright, it's time to give your domain a home on the Web. If you surf on over to <http://domain.tld/> or <http://www.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 XHTML and CSS, particularly if you've never before used either. 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://domain.tld/` or, equivalently, `http://www.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.
- Each of your pages must include in its head element YUI's Reset CSS and Fonts CSS.
- At least one of your pages must include at least one image.
- At least one of your pages must include at least one `mailto:` link.
- At least one of your pages must include at least one table.
- Your website's XHTML must be valid (or "tentatively" valid), as per `http://validator.w3.org/`.
- Your website must appear and behave the same on at least two major browsers, namely:
 - Firefox 2.x
 - Internet Explorer 7.x
 - Safari 3.x

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 your domain's `public_html` directory with appropriate permissions. (Odds are any files should be `chmod'd` 644 and any directories 711.)

6. By this project's deadline, submit your website by SSHing to your domain and executing the command below.

```
submit project 0
```

Thereafter, follow any on-screen instructions until you receive visual confirmation of your work's successful submission. You may re-submit as many times as you'd like, but take care not to re-submit after the project's deadline, lest your work be deemed late.