



# Computer Science E-75

## Building Dynamic Websites

Harvard Extension School

<http://cs75.net/>

### Lecture 3: SQL

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# A Dynamic Website

The screenshot shows a Mozilla Firefox browser window displaying the website for Harvard Extension School's Computer Science E-75: Building Dynamic Websites. The browser's address bar shows the URL `http://cs75.net/`. The website has a blue header with the text "csci e-75: building dynamic websites" and a login status "You are not logged in. Log in." with a link. The main content area is divided into three columns. The left column features a sidebar for "David J. Malan, Instructor" with contact information and a list of navigation links: Forum, Lectures, Office Hours, Projects, Resources, Sections, Software, Staff, and Syllabus. Below this is a search bar for manuals and buttons for "Apache", "MySQL", "PHP", and "YUI". The middle column has a "Welcome" section with a paragraph about the course, a paragraph about dynamic websites, and a section for "Recent Messages in the Forum" with a bulleted list of forum topics. The right column displays the Harvard University crest, the text "Spring 2008", and announcements for "NEXT OHs" and "NEXT VOHS" on "Saturday @ 10:30a" in a "Virtual Classroom". The footer contains copyright information for David J. Malan in 2008.

Harvard Extension School's Computer Science E-75: Building Dynamic Websites - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://cs75.net/

You are not logged in. [Log in.](#)

**csci e-75: building dynamic websites** @ harvard extension

**David J. Malan, Instructor**  
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cs75.tv

**VIRTUAL CLASSROOM**

Forum ::  
Lectures ::  
Office Hours ::  
Projects ::  
Resources ::  
Sections ::  
Software ::  
Staff ::  
Syllabus ::

Search a Manual

Apache MySQL  
PHP YUI

## Welcome

Computer Science E-75: Building Dynamic Websites is a course at [Harvard University's Extension School](#). It is part of the school's [Distance Education Program](#), which means that students can take this course via the Internet as well as on campus.

Today's websites are increasingly dynamic. Pages are no longer static HTML files but instead generated by scripts and database calls. User interfaces are more seamless, with technologies like Ajax replacing traditional page reloads. This course teaches students how to build dynamic websites with Ajax and with Linux, Apache, MySQL, and PHP (LAMP), one of today's most popular frameworks. Students learn how to set up domain names with DNS, how to structure pages with XHTML and CSS, how to program in JavaScript and PHP, how to configure Apache and MySQL, how to design and query databases with SQL, and how to use Ajax with both XML and JSON. The course discusses issues of security, scalability, and cross-browser support.

Available at left is the course's [syllabus](#) and much more.

No matter your distance from Cambridge, Massachusetts, we invite you to join us in building dynamic websites!

### Recent Messages in the Forum

- SSI (2 replies)
- Flash generated code fails validation (3 replies)
- php debugger (no replies)
- Background color not filling page? (no replies)
- YUI style sheets fail W3C CSS validation (1 reply)
- Should my CSS validate when using YUI Fonts CSS? (no replies)

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Done

# RSS

<http://cyber.law.harvard.edu/rss/rss.html>



# RSS

```
<?xml version="1.0" encoding="UTF-8"?>
<rss version="2.0">
  <channel>
    <title></title>
    <description></description>
    <link></link>
    <item>
      <guid></guid>
      <title></title>
      <link></link>
      <description></description>
      <category></category>
      <pubDate></pubDate>
    </item>
    [...]
  </channel>
</rss>
```

# Authentication

## Log In

Please provide your username and password for cs75.net.

Username:

Password:

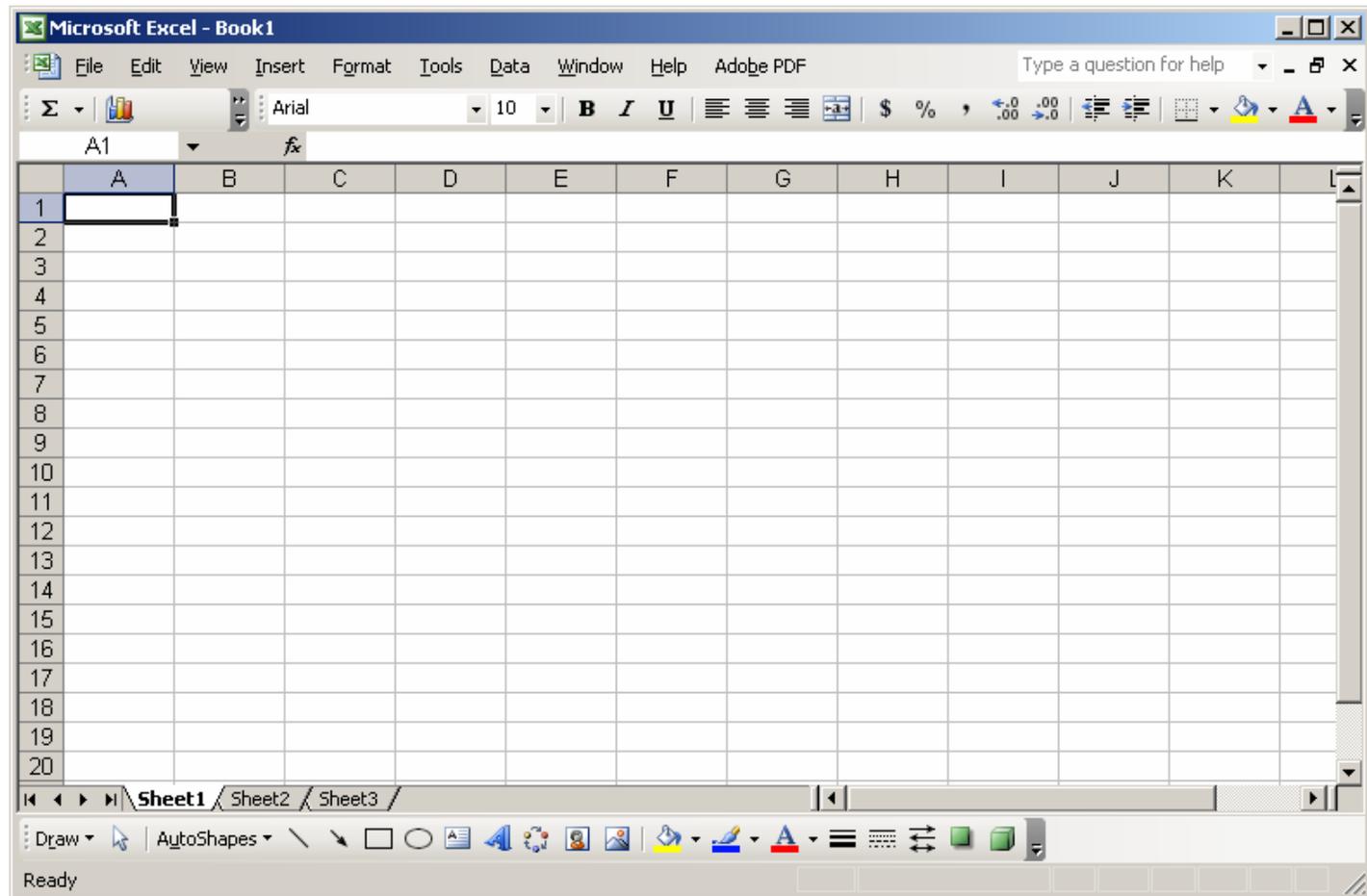
keep me logged in until I click **log out** atop page

# Cookies

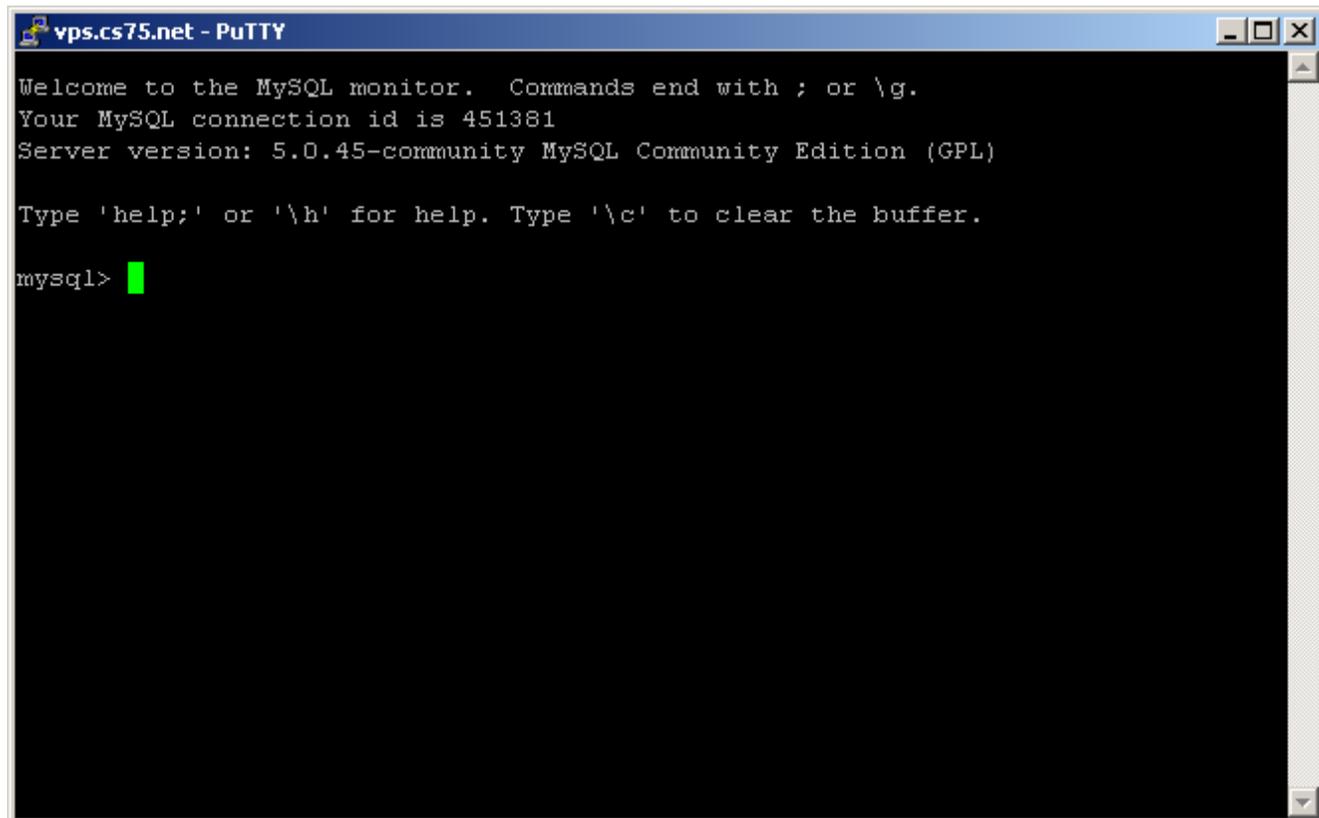
<http://us2.php.net/setcookie>



# Tables



# MySQL



The image shows a terminal window titled "vps.cs75.net - PuTTY". The terminal output is as follows:

```
Welcome to the MySQL monitor.  Commands end with ; or \g.  
Your MySQL connection id is 451381  
Server version: 5.0.45-community MySQL Community Edition (GPL)  
  
Type 'help;' or '\h' for help. Type '\c' to clear the buffer.  
  
mysql> █
```

# phpMyAdmin



# SQL

- SELECT
- INSERT
- UPDATE
- DELETE
- . . .



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