

Web Programming Assignment

In this assignment you will learn about server-side web programming. Feel free to use whatever web resources you like to complete these assignments.

LAMP Web Programming Assignment (what is LAMP)?

- Develop a simple database-driven web site that maintains a simple inventory for a collection of books. You need to have a login page as well as create, delete, and change functions.
- Use the server *satoshi.cis.uncw.edu* to do this assignment. You each have *public_html* directory setup under your home directory.
- You also have a mySQL database setup (the name is your username and you will receive a password for it via email the first time you login). The machine also has phpMyAdmin running on it and you can access the GUI using this address – *http://satoshi.cis.uncw.edu/phpmyadmin*.
- Demonstrate your web site to the instructor.

Using the Satoshi Server

Initial Setup Steps for On-campus labs. (For off-campus use, see notes below):

1. From the Windows Start menu, choose WinSCP (or PUTTY or other)
2. In the Host Name box enter: *satoshi.cis.uncw.edu* then click Open
3. Enter your UNCW username and password
4. Click the Open Terminal button on the toolbar.
It looks like a dark blue mini screen.)
5. From here you can type in [UNIX commands](#).

Uploading and viewing files

1. Open any FTP client (WinSCP is in the campus labs)
2. Login using host name *satoshi.cis.uncw.edu*, your UNCW username and password.

3. The left half of the screen is your local computer and drives, the right half is your personal web server space.
4. If there isn't a folder called *public_html* on the right side, right click and create a new directory called *public_html* and set the permissions or properties to 755 (if necessary).
5. Edit your web files as usual, saving to your preferred location.
6. When you are ready to test, locate the file(s) you edited in the left pane. Drag and drop them into your *public_html* folder.
7. Test by opening a browser and entering your personal URL followed by the name of the file you are testing (including the extension):
http://satoshi.cis.uncw.edu/~abc1234/ (substituting your userid).

If the file is in a folder, you must include the folder name before the filename:

http://satoshi.cis.uncw.edu/~abc1234/folder/somepage.html

8. To make corrections, edit in the application as you usually do (don't edit straight from the server.) The save the file, re-upload it to the server, and then refresh the browser.

If you are off campus:

- You must be logged in to the UNCW domain to access *satoshi.cis.uncw.edu* and its URLs. If you are off campus, you need a VPN connection. See <http://www.uncw.edu/ITSD/help/VPN.html> for details.
- You may need to download an FTP client (such as SSH Secure Shell, Filezilla, WinSCP, etc.) to do the above steps. You can Google to find the software – just be careful installing that you don't sign up for a bunch of junk (that is, don't just accept all of the default values as you install).

See also:

Marni Ferner's: [web programming course](#)

W3 Schools – [How to connect to a MySQL database from PHP](#)