Center for Digital Imaging Arts

**WEB DESIGN AND DEVELOPMENT CURRICULUM**

WD108 WordPress 1 - Databases

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When it comes time for databases you should be thinking, "excel spreadsheets". Now databases are not latterly excel spreadsheets, but they are not that different in design. A database is broken into tables and tables are then divided into rows and columns. Thus if you wanted to "look something up" in the database, you could say look in table number 2, and tell me how many rows have a value in the "price" column… Or something to that effect. Lets take a look:

MAMP

Open a finder window and navigate to: applications > MAMP. In there you will need to click on the icon MAMP application (icon as seen in the upper left of the below diagram), to launch MAMP.
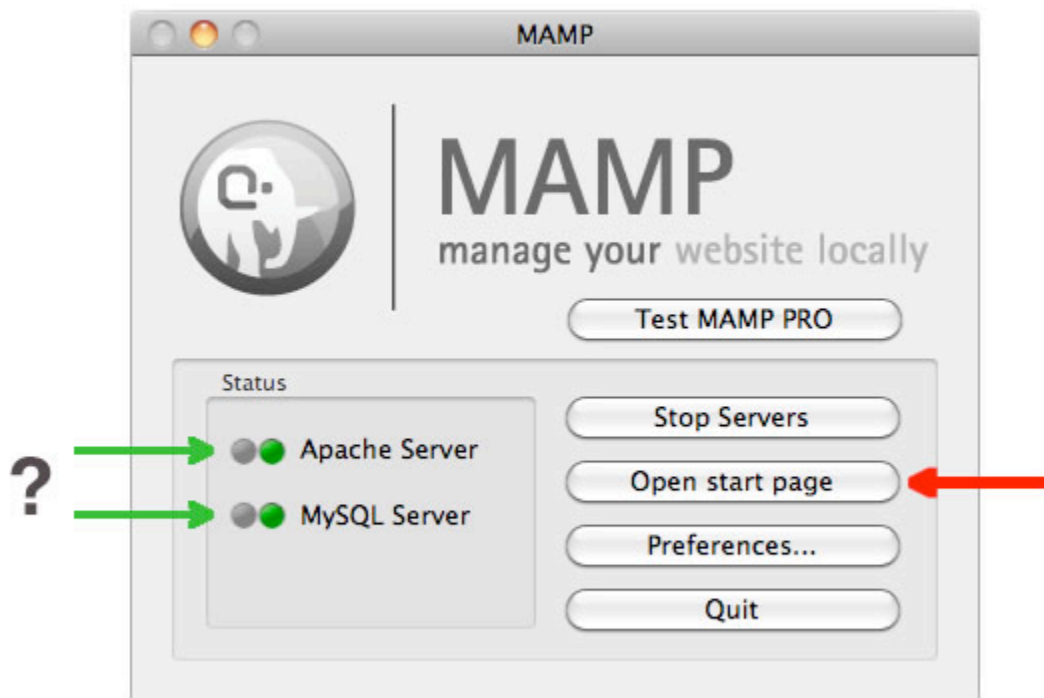
Be sure that you get **two** green lights (as seen above, green arrows) before proceeding. Once you do the program should automatically launch the "start" page. If at any time you need to get back to this start page you can always click the "open start page button" in the MAMP application (as seen above, red arrow).

Once MAMP has launched take a look at the start page's URL. It should read http://**localhost:8888**/MAMP/?language=English. The Localhost:8888 here is equivalent to the "mysite.com" if this were a "live" site. Thus to view the files that we launch you will need to point your browser to localhost:8888/.

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Okay so we know how to view our site, but where do the files live? Great question! Inside of the MAMP folder there is a folder called "htdocs". This folder is your website's "root folder". Thus to find that folder you will want to open a finder window and go to: **applications > MAMP > htdocs/**.

When dealing with Databases, there are a few pieces of information that you will need. Specifically you will need to know your MySQL server username and password. For your personal sites, this is something that you should be able to get through your "control panel" or by calling/contacting your hosting provider. In MAMP we can get this information on the "Start Page":

Now we have MAMP running and we have started to generate a list of important information that we will need, we know where our files live and how to "browse" to them. Back to actual databases:

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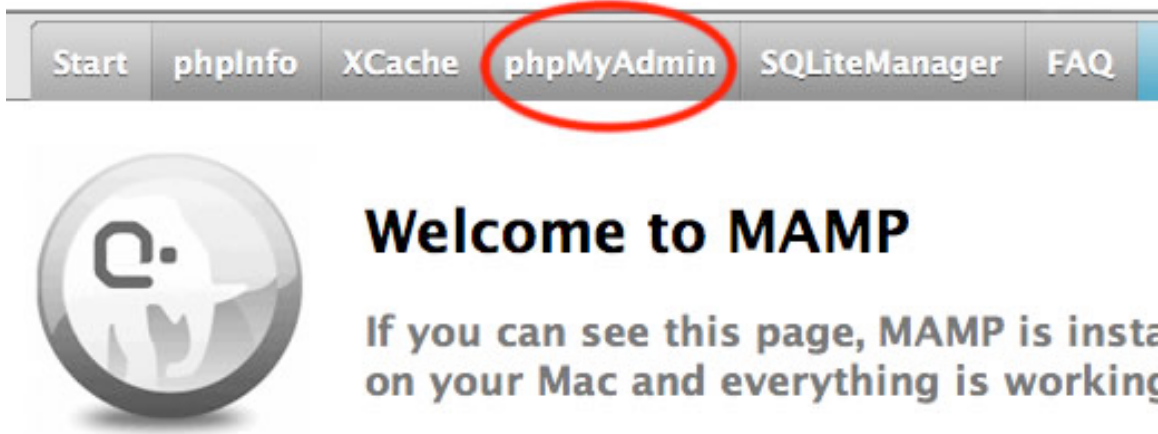
On the start page you want to click the phpMyAdmin tab as seen above. phpMyAdmin is an open source MySQL database manager. It should look a little something like this:
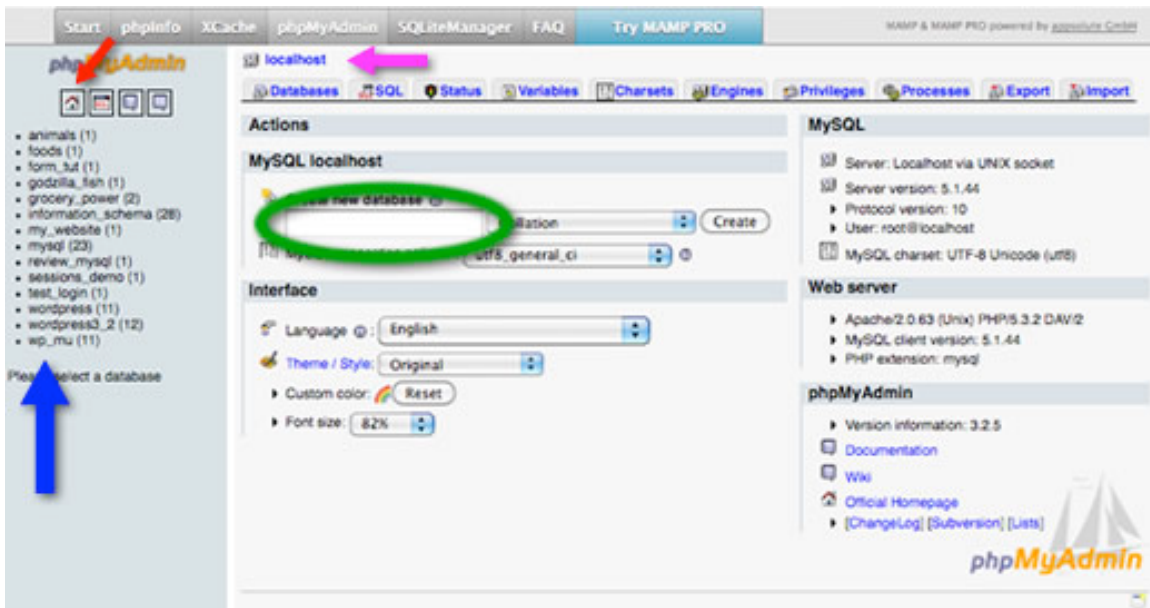
A couple key features worth pointing out:
- Return to this main "home" screen (red arrow)
- List of all of your databases (blue arrow)
  - Once inside of a database (by clicking on one) this list will then show the database's tables.
- Create a new database (green circle)
- The name of your host (magenta arrow)

Lets take a look inside one of the tables:

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Browse Table   Empty Table   Drop/Delete Table

For now lets not worry too much about getting information into the database, rather lets take a look at an already populated database. How do we upload and or export an existing database?

Export a database:
1. Select the export tab from the start screen as seen above.
2. In the Export column select the database(s) that you want to export and choose a file type (SQL is recommended).
3. At the very bottom of the page, check on the "Save file as" box and give the file a name in the text field.
4. Press "go" in the lower right corner of the screen and you are good to go!

Import a database:
0. Make sure that you do not already have a database with the name of the one that you are trying to create.
1. Select the import tab form the start screen as seen above.
2. In the "File to Import" section, browse to find a database file for importing.
3. Press "go" in the lower right corner of the screen and you are all set.

Read More?

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http://php.net/
http://www.w3schools.com/php/
http://documentation.mamp.info/en/mamp