

# Installing MAMP on a Macintosh Computer

**MAMP** stands for Macintosh Apache MySQL PHP and this software provides everything you need to develop Web applications in standalone mode on your Macintosh. It is very easy to install the **MAMP** software. To install the server, download the software from:

## Install MAMP

Download and install MAMP from <http://www.mamp.info> as follows

1. Under the **MAMP** (NOT the MAMP Pro) icon, choose **Download Now**.
2. Open the download file with **Stuffit Expander**
3. The file will download and will be unarchived into your **Downloads** folder
4. In the Downloads folder, click the **MAMP\_1.7.2.dmg** file (note that your version number may be different)
5. Agree to the License Agreement
6. A MAMP screen will appear with instructions to copy the MAMP folder to your **Applications** folder. You can drag the MAMP folder on this screen to the Applications folder (do not drag the MAMP Pro folder).
7. Your Applications folder will now contain the MAMP folder and your standalone software is ready to use.

## Test MAMP

To test your server, go into the **/Applications/MAMP** folder and click **MAMP**. This will run the server. You will see a **MAMP Control Panel**, and your browser will display a confirmation page. Note the URL in your browser's address window. It begins with:

<http://localhost:8888/MAMP/>

Your server is running and you have just connect to it from your browser.

You can switch your server on and off using the **MAMP Control Panel**.

## Add the Course Folders to your MAMP Web Server

Next you need to copy the course files to your MAMP Web server. To do this, download the course files from the following URL:

<http://www.mikeokane.com/textbooks/WebTech/Webtech.zip>

This file will be downloaded and unarchived to create a WebTech folder in your **Downloads** folder. Move or copy this folder to the following folder location:

**`/Applications/MAMP/htdocs`**

It is important that this folder is located in the **htdocs** folder of your MAMP folder, which is located in the Applications folder. You have now added the course files to the Web server.

## Testing and Using your Course Files

Start your Web server if it is not already running. Start a Web browser and type the following URL:

<http://localhost:8888>

This connects to your local Web server. To connect to this server, you will always use a URL that begins <http://localhost:8888> – this accesses the **htdocs** folder on your server.

Since the htdocs folder now contains the **WebTech** folder you will see that folder displayed. Click the folder in your browser window, and you will now see two folders, named **coursework** and **samples**. Click the **samples** folder. You should see a long list of files. Note the URL for this Web page:

<http://localhost:8888/WebTech/samples/>

Do you see why this URL is displayed? It's because you are looking in the samples folder which is inside the WebTech folder in the htdocs folder.

Now let's see a "real" Web page on your server. Click the **Welcome.html** file that is listed in the samples folder, or else just type the following URL:

<http://localhost:8888/WebTech/samples/Welcome.html>

A Web page should appear asking you to enter some information and press submit. When you press submit you should get a followup page. Congratulations – your server is working correctly!

As another example, try typing the following URL:

<http://localhost:8888/WebTech/samples/addTwoNumbers.html>

You are now ready for work! Whenever you wish to work on this course, go to **MAMP** in the **Applications** folder, click the **MAMP** program to start your standalone Web server. Whenever you are finished with your coursework, go to **MAMP** in the **Applications** folder, click the **MAMP** program and select **Stop Servers**.

## Using MAMP to complete your Course Work

Now that you are comfortable using MAMP to locate and view Web programs on your local server, you are ready to begin your coursework. Anytime that the textbook asks you to view a file in the samples folder, use an address beginning with:

<http://localhost:8888/WebTech/samples/>

And when you complete course work and wish to view your work in a Web browser, use an address beginning with:

<http://localhost:8888/WebTech/coursework/>

Use your Web browser to take a look in the **coursework** folder. You will see that this folder is organized into Chapters. These Chapter folders contain your code exercises.

You will need to use a **text editor** to work with the files in these chapter folders as explained in the chapter exercises at the end of each chapter. If you do not already have a preferred text editor, **TextWrangler** is a great editor to use and can be freely downloaded. For details see the end of this document.

When you want to work with a file in your coursework folder, open the file with your text editor (browse to /Applications/MAMP/htdocs followed by the appropriate Chapter folder, and select the file you wish to open. When you have completed your work save the file to the same location, then view the file using your Web browser.

## NOTES for Mac Users When Referring to the Textbook

**IMPORTANT:** Be sure to run MAMP and click Start Servers whenever you want to work on this course. And whenever you are finished working with your course work be sure to click Stop Servers on your MAMP window and close the application.

**IMPORTANT:** Note that the URL's in the textbook will be the same if you are running MAMP on a Mac except that you will specify the port (8888) in your URL's. So if the textbook indicates:

<http://localhost/WebTech/samples/addTwoNumbers.html> you will type:

<http://localhost:8888/WebTech/samples//addTwoNumbers.html>

**IMPORTANT:** Whenever you see instructions to save your work to a location under **xampplite\htdocs** you will instead save your work to the location under **Applications\MAMP\htdocs**

## Working through Chapter 2

You are now ready to work through Chapter 2 and complete the exercises. As a **Superior Mac User**, you can skip all the sections from **Installing XAMPLite** until **The Importance of Frequent Backups**. ☺

## Text Editors for Mac Users

The Mac comes with various text editors. If you are looking for a very good and widely used free text editor for the Mac consider TextWrangler (which has replaced the very popular BBEditLite):

<http://www.barebones.com/products/textwrangler/download.shtml>