
INFS3202/INFS7202 Web Information Systems

Practical 3 – PHP + Web Server

The goal of this practical is to explore PHP. This assignment counts for 5% of the total unit assessment. You must present this practical to your lab tutor during your scheduled lab session in week 6. There are totally 2 tasks.

If your scheduled lab session is a holiday, then present it to your lab tutor in week 7.

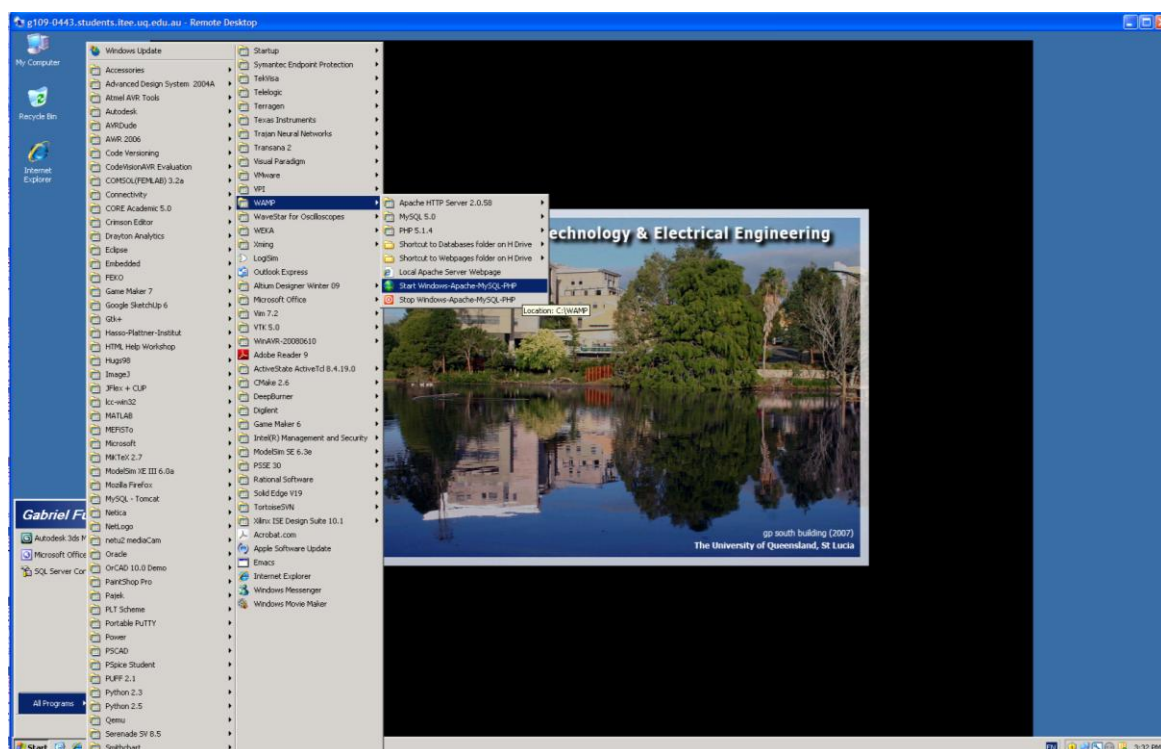
A step-by-step guide is provided for you to do this prac. Discussion with your classmates and seeking help from your lab tutor are permitted; however, it is not allowed to copy other people's code, except those used in the lectures.

Marking guideline: For each task, 0 marks for doing nothing; 1.5 marks for partial completion; 2.5 marks for completion (no mistake/error).

Task 1 – LOGIN and LOGOUT

ITEE provided a very convenience way for you to start the server. It is called AMP (Apache-MySQL-PHP integration). You simply write your program under H:\webpages, and you can view in your local computer. For example, you have a page called “hello.html”, then you first start the server:

Start > All Programs > WAMP > Start Windows-Apach-MYSQL-PHP



Then, you can view your page in any browser in you own computer by typing:

<http://localhost/hello.html>

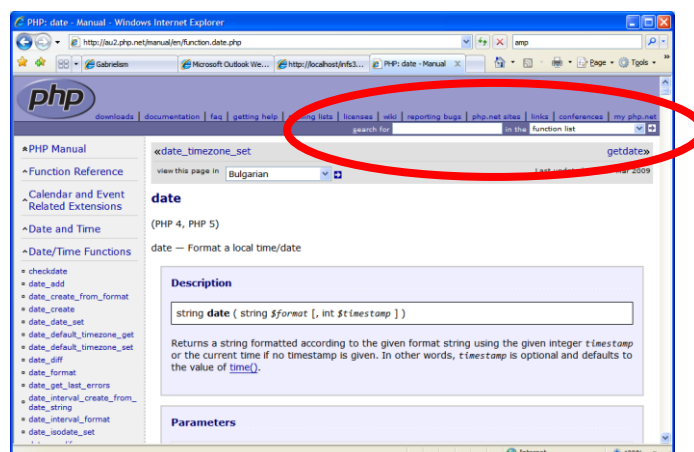
Alternative, you can first obtain the IP address of your computer (see the lecture note how to do it) and display it using a browser. For example, if you IP address is 130.189.12.12, then you can view your page by typing:

<http://130.189.12.12/hello.html>

In this task, we are going to make a login/logout system to read the php settings at the server side. In the lecture notes, we have not implemented the logout function and no error message will be displayed when a user input incorrect username/password combination. In this practical, we try to implement both these functions.

Guideline:

1. **You must create your web page in: H:\webpages.**
2. Go to <http://www.itee.uq.edu.au/~infs3202/practical/03/form.php> to see a demo:
 - a. The username is ABC
 - b. The password is 123
3. Your task is to do exactly what you have seen in the above demo. Try to mimic all pages as closely as possible. Specifically:
 - a. If you input incorrect username/password combination, an error message will be displayed.
 - b. After login, you will be redirect to a page called "info.php". You must use this file name.**
 - c. There is a logout function in "info.php".
 - d. If you type <http://xxxxx/info.php> **without login**, you will be redirected back to the "form.php" (try to play it yourself).
 - e. If you type <http://xxxxx/form.php> **after login**, you will be redirected back to "info.php" (try to play it yourself).
 - f. Refer to the lecture note about how to display the php settings in the server. The function "unset(...)" in php may be useful in this practical. Refer to the php API (www.php.net) for more information (Always search from the text box in the red circle).



Task 2 – Using PHP API

In this task, we try to familiarize ourselves with the PHP API. We try to learn how to use some important functions in PHP by reading the APIs and implement them ourselves. Specifically, we try to tackle the following three sub-tasks:

- A. Display the current date.
- B. Display some server variables.
- C. Display the file size and last modification time.

If you can successfully done all of these tasks, you should be more familiar with the PHP development environment. (Note: we will deal with file upload and file I/O using PHP/JSP in Practical 05 as it is very tricky.)

Guideline:

1. **You must create your web page in: H:\webpages.**
2. **The file name must be “useful.php”**
3. Go to <http://www.itee.uq.edu.au/~infs3202/practical/03/useful.php> to see a demo.
4. Hints:
 - a. For Task A:
 - i. Search the function “date” from www.php.net. Read the documentation.
 - ii. You need to understand and use the function “echo” in order to complete this task. In short, echo just like a print function.
 - b. For Task B:
 - i. Read <http://au.php.net/reserved.variables>. Read the \$_SERVER section.
 - c. For Task C:
 - i. Display the size and modification time of “useful.php”.
 - ii. Try to deal with it yourself! (e.g. search “file size” and “file time”? try to narrow down your search further.)