

Exercise 1

Get familiar with the web development environment.

Web site with one or many web pages are stored in a web server. However, a simple web server can be setup in a desktop machine for developers, where they can build and test the web site. WAMP server application allows the user to run a Apache web server, php server, as well as MySQL server.

WAMP server is already installed in the laboratory desktop machines. Please read the instructions provided in <http://www.wampserver.com/en/> and watch the following video available in youtube.com.

How to host websites using wampserver by Coding Simplified
(https://www.youtube.com/watch?v=uElnLPyo2_A).

Exercise 2

Build your own web site.

Use notepad or any suitable text editor to build your web pages.

Follow the basic guidelines provided in html development given in <https://www.w3schools.com/html/>

Your web site have five(05) pages : index.html, education.html, projects.html, contact.html, and interest.html

index.html - This is an introduction page about yourself. This should include an image of you and a good introduction of yourself.

education.html - Your education achievements should be listed under this page. In addition to the school day achievements, the grades observed for each course in the Engineering Faculty, University of Sri Jayewardenepura should be included in this page.

projects.html - Projects that you have completed and the on going projects that you involve in should be listed in this page.

interest.html - The areas that you are interested and links to resources for each of the interest are should be available in this page.

contact.html - Methods of contacting you, such as mobile, email, etc can be listed in this page.

Links to each of those pages should be available in each-and-every page.

Use a common layout structure through out the site.

Exercise 3

JavaScript is a very useful tool to build a dynamic web page. Use JavaScript to develop dynamically sorting grading table for results obtained for courses that taken in the Faculty of Engineering, University of Sri Jayewardenepura.

Viewer should be able to sort the list of results according to the course codes in ascending or descending order, according to the grades obtained for each course, and the semester.

Use <https://www.w3schools.com/js/default.asp> as guideline.