Lab 5 – Preparation and Introduction to PHP

# Purpose

* Install Eclipse PHP Developer Tools
* Install EasyPHP
* Create your first PHP website ‘Hello World’
* Upload your website to a Web server

# Due Date

* This lab is must be handed in at the end of Week 6:

**Sunday October 18th, 2015 – before midnight**

# Assessment

* This Lab is worth 2% of your total course mark.

# Estimated Time

* This Lab is estimated to take 1 hour.

This is only an estimate of the time required to complete this Lab. I would encourage you to work at your own pace and if at all possible obtain a laptop so that you can work on your assignments from anywhere

# Assigned Readings

The following chapters of Web Development and Design Foundations with XHTML will be useful in completing this exercise:

* Chapter 2

# Lab Supplies

To complete this lab you will require the following lab supplies:

* Textbook: Web Development and Design Foundations with XHTML
* Eclipse, Notepad (or other text editor, or IDE)
* FileZilla (or other FTP client)

# Summary of Tasks

1. Update Eclipse
2. Create your first PHP web site
3. Upload your website to the webserver
4. View your webpage using a web browser
5. Submit Assignment Link on Blackboard

# Task 1

Our first task is to prepare ourselves for the coming Labs and Assignments by installing the software needed to be successful in this course.

**Eclipse, PHP Development Environment:**

1. Open Eclipse
2. Click ‘Help’ on the main menu
3. Click ‘Install New Software’ and the ‘Install’ dialog window will appear
4. Use the ‘Work With’ drop down list to select ‘Indigo - <http://download.eclipse.org/releases/indigo>’
5. After a second or two the list box below will show you all the products you can add to Eclipse
6. Hover over the ‘Programming Languages’ option and expand the list of languages Eclipse can use
7. Click the check box that reads ‘PHP Development Tools (PDT) SDK Feature’
8. Click Next at the bottom of the dialog
9. Click Next again on the ‘Install Details’ dialog
10. Click ‘I accept the terms and license agreement’ and click ‘Finish’

Eclipse will now download and install the PHP development tools we need to complete our labs and assignments.

For more information on using Eclipse please navigate to the following material in Blackboard: Course Content 🡪 Extra Material 🡪 Eclipse Guide (Video)

**EasyPHP:**

EasyPHP is the WAMP installation we are going to use to develop our PHP websites

1. Navigate to <http://www.easyphp.org/>
2. Click the Download link
3. The latest stable release of EasyPHP will be listed first; download the software
4. Install the software on your Computer (reminder that this WAMP installation is only capable of running on Windows)

For more information on using EasyPHP please navigate to the following material in Blackboard: Course Content 🡪 Extra Material 🡪 EasyPHP (Video)

# Task 2

Create your first website using Eclipse or Notepad.

Use PHP’s echo command to create the HTML needed display the following content:

* Display your first and last time
* Display your student number
* Display the text ‘Hello World! I am using PHP!’
* Also, tell me what you think of this course, how and I doing, how you like the content, evaluate your text books, etc.
* Provide Links to Labs 1 through 4 and Assignment 1

Be sure to name this file: **index.php**

# Task 3

Upload the website to your webserver domain.

Once you connect to the webserver using an FTP client, create a directory called ‘**/Lab5’** under **‘/public\_html/CST8238’** directory. Once your personal directory has been created navigate to that new directory. Add your index.php file to this location. (Using FileZilla simply drag the index.php file into your folder)

We recommend the FTP client Filezilla. The program is provided for free (and open source for those who are interested in such things) by the Mozilla Foundation; the makers of Firefox and Thunderbird.

# Task 4

View your website using a web browser. Open a web browser and navigate to the following web address:

**http://web-server\_domain\_name/CST8238/Lab5/<filename>**

For example, the web address to my page is:   
http://rejaul.com/CST8238/Lab5/index.php

Where ‘rejaul.com’ is the domain name of the Web server, ‘ CST8238/Lab5’ is the name of the directory I created in the Web server under ‘/public\_domain’ directory using FTP client and ‘index.php’ is the web page I created for this lab.

# Task 5

Once you have confirmed that you webpage is available online, you are ready to hand in your lab.  
  
To hand in your lab go to Blackboard and navigate to Course Content 🡪 Labs and click on ‘Lab 5 - Preparation and Introduction to PHP’ link.

Under “Assignment Materials”, in the Submission text box write out the following Information:

* Student Number
* First Name
* Last Name
* Algonquin Username
* The URL, or hyperlink, prepared in Task 4

If you want to leave your professor a quick note fill out the Comments section.

Finally, once the Submission and Comments section are complete, click the ‘Submit’ button to send the lab to your professor.

**IMPORTANT NOTE**:

If the URL, or hyperlink, does not direct the professor to the lab you will receive a ZERO for the lab assignment.

**IMPORTANT NOTE:**

You may only submit a Lab ONE TIME. Be sure the lab is complete before clicking on the ‘Submit’ button.