Lab 1 – Preparation and Hello World

# Purpose

* Create your first website ‘Hello World’
* Upload your website to a Web Server using FTP Client.

# Due Date

* This lab must be handed in:

**Sunday January 15, 2017 – 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 ‘Fundamentals of Web Development’ will be useful in completing this exercise:

* Chapter 2

# Lab Supplies

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

* Textbook: Fundamentals of Web Development
* Eclipse, Notepad (or other text editor, or IDE)
* FileZilla (or other FTP client)

# Summary of Tasks

1. Install Eclipse and FileZilla
2. Create your first website using Eclipse/Notepad
3. Upload your website to a Web Server
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.

**FileZilla**:

1. Navigate to the following web address: <http://filezilla-project.org/>
2. Click the ‘Download FileZilla Client’ button
3. Download and install the appropriate FTP Client (choose the operating system that matches your computer)

**Eclipse:**

1. Navigate to the following web address: <http://www.eclipse.org/>
2. Download the appropriate Eclipse client (choose the operating system that matches your computer).

Please download Eclipse from the following URL:

<http://www.eclipse.org/downloads/packages/eclipse-php-developers/lunasr2>

**To know in detail about Eclipse IDE for PHP Programming platform, please review the ‘PHP Developer User Guide’ from the following URL:**

[**http://help.eclipse.org/neon/index.jsp**](http://help.eclipse.org/neon/index.jsp?nav=%2F0)

**IMPORTANT NOTE**:   
The Eclipse client does not have a standard installer. To use the software simply unzip the file you downloaded and run the ‘Eclipse.exe’ executable.

**IMPORTANT NOTE**:   
In order to run Eclipse, the Java Runtime must be installed on your computer. To download the Java Runtime please go here: <http://www.java.com/en/download/>

# Task 2

Create your first website using Eclipse or Notepad.

Handwrite the HTML needed to create a webpage that will:

* Display your first and last name.
* Display your student number.
* Display the text ‘Hello World!

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

# Task 3

Upload your website to a Web server. You need to purchase a web domain and 4 months of hosting for this course. We recommend all students to purchase their own web hosting domain from **Hebergement Solutions Inc**. Please check the announcement in the Blackboard to get detailed information about purchasing your own web hosting domain.

Use **FileZilla FTP client** to connect and deploy your code into your web hosting domain (Web Server). When you connect to the Web server using an FTP client, create a directory called **‘/CST8238/Lab1’** under **‘/public\_html’** directory. Once your course directory has been created navigate to that new directory. Add your ‘**index.html’** file to this location. (Using FileZilla simply drag the index.html file into your folder)

For more information on using FileZilla, please navigate to the following material on Blackboard: Course Content 🡪 Extra Material 🡪 FileZilla Instruction.docx

**IMPORTANT:**

***To obtain personal web hosting address, please check the instructions in the ‘Announcements’ section on Blackboard***.

# 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/Lab1/<filename>**

For example, the web address to my page is:   
  
<http://rejaul.com/CST8238/Lab1/index.html>

Where ‘rejaul.com’ is the domain name of the Web server, ‘ CST8238/Lab1’ is the name of the directory I created in the Web server under ‘/public\_html’ directory using FTP client and ‘index.html’ is the web page I created for this lab.

# Task 5

Once you have confirmed that your 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 1 - Preparation and Hello World’ link.

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

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

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.