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:

**Friday Jan 11, 2019 – before midnight**

# Assessment

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

# 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 Brightspace

# 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 for PHP:**

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/release/photon/r/eclipse-ide-php-developers>

**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 Everyone. Welcome to world of CST8238’.

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. Please check the announcement in the Brightspace 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 in Brightspace: Course Content 🡪 Extra Material 🡪 FileZilla Instruction.docx

**IMPORTANT:**

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

# 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.

Create a word document (Lab1.doc) in which write the following Information:

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

To hand in your lab go to Brightspace and navigate to Course Content 🡪 Labs and click on ‘Lab 1 - Preparation and Hello World’ link.

Upload the word document (Lab1.doc) on Brightspace.

**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.