Lab 10 – PHP and XML

# Purpose

* Explore XML using PHP
* Upload your website to a Web server

# Due Date

* This lab must be handed in:

**Sunday December 04, 2016 – before midnight**

# Assessment

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

# Estimated Time

* This Lab is estimated to take 2 hours.

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

Use the slides and examples found on Blackboard. Module 5, Part 3

# Lab Supplies

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

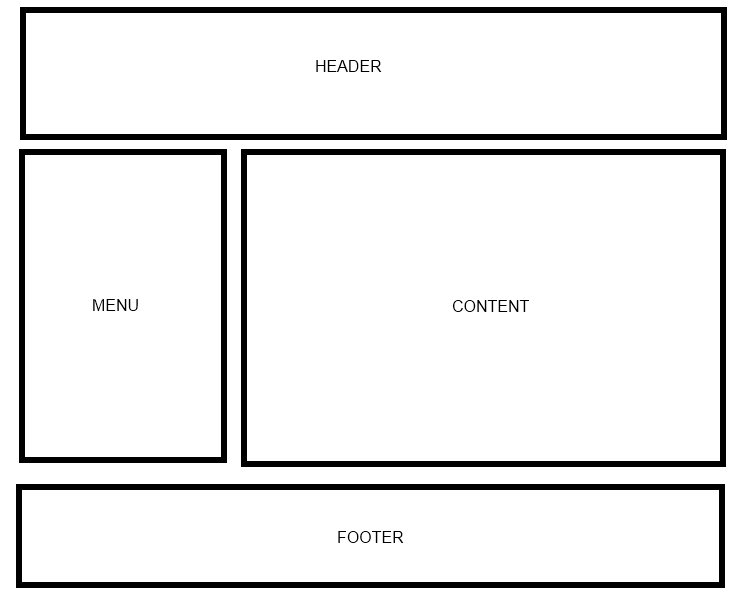
* Textbook: Fundamentals of Web Development
* EasyPHP, or other WAMP server
* Eclipse, Notepad (or other text editor, or IDE)
* FileZilla (or other FTP client)

# Summary of Tasks

1. Develop the logic to display your web application
2. Upload your website to the webserver
3. View your webpage using a web browser
4. Submit Assignment Link on Blackboard
5. Submit Source Code of the PHP files on the Blackboard

# Task 1

Before getting started with the following tasks, review the ‘Common Look and Feel’ video provided on Blackboard (under: Course Content 🡪 Extra Materials). Using the knowledge gained in these materials, implement the following Design Pattern to create a ‘Common Look and Feel’ to be used on every page of your website.



Your web site will include the following PHP scripts:

* Header.php
* Footer.php
* Menu.php
* Books.php

**NOTE: Books.php must include the Common look and feel implemented in Header.php, Footer.php and Menu.php.**

**Header.php**

Header.php must contain a script to display a Common Header that will appear on every page. The header must contain a banner (images, css, etc).

**Footer.php**

Footer.php must contain a script to display a Common Footer that will appear on every page. The footer must contain Student Number, First Name, Last Name, and Email Address

**Menu.php**

Menu.php must contain a script to display a Common Menu to be show on every page. The menu must contain links to Books.php

**Books.php**

Create a page that displays all the content from the following XML file.

<http://www.rejaul.com/CST8238/Lab10/Books.xml>

**Use PHP to download the contents of the file and create a table to display each book in the catalog element. Each row in the table should contain all of the Books information.**

A full example as to how to do this can be found on Blackboard: XMLCodeExample.zip

# Task 2

Upload your website to the Web server. Use an FTP client to connect to your Web server.

Once you connect to the webserver using an FTP client, create a directory called ‘/CST8238/Lab10’. Once your course directory has been created navigate to that new directory. Add your Books.php file to this location. (Using FileZilla simply drag the Books.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.

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

# Task 3

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

**http://web-server\_domain\_name/CST8238/Lab10/<filename>**

For example, the web address to my page is:   
  
http://profrejaul.com/CST8238/Lab10/Books.php

Where ‘profrejaul.com’ is the domain name of the Web server, ‘ /CST8238/Lab10’ is the name of the directory I created in the Web server using FTP client and ‘Books.php’ is the web page I created for this lab.

# Task 4

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 Content 🡪 Labs and click on ‘Lab 10 – PHP and XML’ link.

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

* Student Number
* First Name
* Last Name
* The URL, or hyperlink, prepared in Task 2

Under “Assignment Submission”, submit (attach) source code of the following PHP files:

* Header.php
* Footer.php
* Menu.php
* Books.php

Finally, once the Submission section is 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.