Assignment 2 – Intro to PHP

# Purpose

* To be familiar with a real life web page and add functionality to this page using the PHP scripting language

# Due Date/Course Weight

This assignment must be submitted before **midnight on Nov 04, 2018.**

* NOTE: Late assignments will not be accepted.

This assignment is worth: **10% of your total course mark**

# Assessment

Please follow the Assignment 2 Assessment document for more information.

# Summary of Tasks

Listed below are the sections of the assignment which will need to be completed:

1. Download ***Assignment2-Task1.zi***p file from ‘Course Content -> Assignments -> Assignment 2 –Intro to PHP’ folder on Brightspace which contains all files required for Task 1 of Assignment 2.
2. Create a dynamic web page to accomplish Task 1.
3. Design a web page (table.php) to accomplish Task 2.
4. Test your webpage on a local web browser using EasyPHP/XAMPP.
5. Submit the URL of Task1 and Task 2 of your Assignment 2 on Brightspace.
6. Submit source code of Task1 and Task2 of Assignment 2 on Brightspace.

# Task 1

Download Assignment files from Brightspace (Course Content -> Assignments -> Assignment 2).

Download the file **Assignment2-Task1.zip** and save it to your computer in a folder called ***Assignment2***. The ZIP file contains some HTML files, a css folder with the style.css stylesheet, and an ‘images’ folder with some restaurant-related images.

Sub-Task 1: Create the dynamic web page elements

PHP provides you the ability to re-use code all over a website. This way, you can edit one file, and have those changes ripple through all of the pages that use that code.   
In this step, you will use the index.html file to create re-usable header and footer elements.

1. Rename all the .html files to .php files.
2. Create two files - header.php, and footer.php
3. The header.php will contain the HTML code needed to produce the header section of the website. This file should contain all the html code above and including the website's navigation menu. Having all this code in one file will allow you to make changes to the header area of your website as well as the navigation.
4. The footer.php will return the HTML code needed to produce the footer(copyright) section of the webpage, plus any closing tags for elements opened (but not closed) in the header.php file.
5. Use the include statement in the index.php to include both the header and footer php files created.

Sub-Task 2: Modify the remaining pages

Update both the menu.php and contact.php pages to include the header and footer files.

Sub-Task 3: Create a new PHP class called ***EventItem***

The Eventitem class should contain the following:

* A private property called eventName
* A private property called eventDate
* A private property called eventDesc
* A private property called eventPrice
* A four-argument constructor that populates each of the above-mentioned properties
* Public methods for each of the above mentioned properties

Create a separate php file called "class\_lib.php" for this class. Remember to include this new file where required.

Sub-Task 4: Instantiate two instances of the ***EventItem*** class

Using the information provided in the index.html file, populate two instances of the EventItem class in the index.php file. Use the class to dynamically display two events on the homepage main content area. You can use the information provided in the static version, however you are encouraged to be creative!

Sub-Task 5: Use PHP to display the current year in the footer

Replace the hard-coded year in the copyright statement with code that will output the current year.

Sub-Task 6: Use PHP to replace the word "Today's" in "Today's Specials" with the current day of the week

For example, if it's Monday, it should read "Monday's Specials".

Sub-Task 7:

Upload all relevant website files of Task 1 to a folder in your webspace called Assigment2

# Task 2

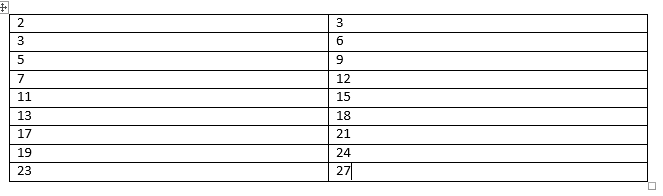
Sub-Task 1:

Write code in PHP to determine if a number is a prime number.

Sub-Task 2:

Use conditional statement (i.e., for loop) in PHP to create the following table. The first column will contain the prime numbers between 1 and 28. The second column will contain numbers that are multiples of 3 in the range between 1 and 28.

Use the echo or print commands to draw the entire table. (The table <table>, the table’s rows <tr></tr>, the tables columns <td></td>, and the contents inside the table cells)



Create a webpage (table.php) that will display the above table by using the PHP code implemented in Sub-Task1.

**You must use conditional statement in PHP to display the table**.

# Task 3

Test your website on a local web browser using EasyPHP/XAMPP.

# Task 4

Upload your website to a webserver. Use an FTP client to connect to the webserver.

Once you connect to the webserver using an FTP client, create a directory called ‘**/Assignment2’** under **‘/public\_html/CST8238’** directory. Once your personal directory has been created navigate to that new directory. Upload all files of Assignment 2 to this location.

# Task 5

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

[**http://web-server\_domain\_name/CST8238/Assignment2/index.php**](http://web-server_domain_name/CST8238/Assignment2/index.php)

[**http://web-server\_domain\_name/CST8238/Assignment2/table.php**](http://web-server_domain_name/CST8238/Assignment2/table.php)

For example, the web address to my page is:   
  
http://rejaul.com/CST8238/ Assignment2/index.php

Where ‘rejaul.com’ is the domain name of the Web server, ‘ CST8238/Assignment2’ 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 provided for this assignment.

# Task 6

Once you have confirmed that your webpage is available online, you are ready to hand in your lab.

Create a compressed file (**Assignment2.zip**) which will contain the following PHP files:

* index.php
* header.php
* footer.php
* menu.php
* contact.php
* class\_lib.php
* table.php

Create a word document (**Assignment2.doc**) in which write the following Information:

* Student Number
* First Name
* Last Name
* The URL, or hyperlink of index.php prepared for Task 1 of Assignment 2
* The URL, or hyperlink of table.php prepared for Task 2 of Assignment 2

To hand in your lab go to Brightspace and navigate to Course Content 🡪 Labs and click on ‘Assignment 2 – Intro to PHP’ link.

Upload the word document (**Assignment2.doc**) and the compressed file **(Assignment2.zip**) on Brightspace.

Finally, click the ‘Submit’ button to send the lab to your professor.

N.B. Please keep in mind that ONLY .**zip** file is accepted as the format of the compressed file.

**IMPORTANT NOTE:**

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