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 March 15, 2019.**

* 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 ***Travel.zip*** file from ‘Course Content -> Assignments -> Assignment 2’ on Brightspace which contains all files required for Assignment 2.
2. Modify travel.php and travel-image.php files to accomplish Task 1.
3. Modify travel-left-rail.php to accomplish Task 2.
4. Design a page (pattern.php) to accomplish Task 3.
5. Design a page (table.php) to accomplish Task 4.
6. Test your webpage on a local web browser using EasyPHP/XAMPP.
7. Submit the URL of your Assignment 2 on Brightspace.
8. Submit source code of travel.php, travel-image.php, travel-left-rail.php, pattern.php, and table.php on Brightspace.

# Task 1

You have been provided with *Travel.zip* file in which you have two files to modify: a page that will eventually contain thumbnails for a variety of travel images (*travel.php*) and a page that will eventually display the details of a single travel image (*travel-image.php*). Clicking a thumbnail in the first page will take you to the second page where you will be able to see details (relevant title, image, user name, country, and description) for that image, as shown in Figures below.

Sample Screenshot of travel.php is as follows:

|  |  |
| --- | --- |
|  | Write a loop that displays these images and links using data within the *$images* array defined in travel-data.php |



Notice that links for each thumbnail includes *id* as query string parameter.

Sample Screenshot of travel-image.php is as follows:

|  |  |
| --- | --- |
|  | Display the appropriate data from *$images* array defined in travel-data.php |

# Task 2

Inside *Travel.zip*, there is another file *travel-left-rail.php* which contains the markup for the navigation rail on the left side of both pages. Replace the hard-coded continents and countries lists in the file with loops that output the equivalent markup but use the data defined in the arrays (*$continents* and *$countries*) in *travel-data.php*. After verifying that it works, use the appropriate sort functions to sort the continents and countries arrays alphabetically.

Screenshot of travel.php, specifying Task2, is as follows:

|  |  |  |
| --- | --- | --- |
| |  | | --- | | Write loops to display these menus using arrays defined in travel-data.php.  Also use appropriate PHP sort function. | |  |

To accomplish Task 1 and Task2, please follow the Instructions below

1. Unzip *Travel.zip* into a folder named Travel. Both *travel.php* and *travel-image.php*  pages will make use of arrays that are contained within the file *travel-data.php.*

Include this file in both pages.

1. Within *travel.php* in the <div> below the Favourites heading, replace the existing markup with a loop that displays the thumbnail image and link for each of the elements within the *$images* array (which is provided within *travel-data.php*). You may display the images as <div class =“col-md-3”> in *travel.php*. Notice that the links are to *travel-image.php* and that they pass the *id* element as a query string parameter.
2. In *travel-image.php*, retrieve the passed *id* in the query string, and use it as an index into the *$images* array of *travel-data.php*. With that index, you can output the relevant title, image (in the *images/travel/medium* folder), user name, country, and description.
3. Both pages (*travel.php* and *travel-image.php* ) make use of an include file called *travel-left-rail.php*. Replace the hard-coded continents and countries lists in the file *travel-left-rail.php* with loops that output the equivalent markup but use the data defined in the arrays (*$continents* and *$countries*) in *travel-data.php*. After verifying that it works, use the appropriate sort function to sort the continents and countries arrays alphabetically.

# Task 3

Write PHP code to draw the following pattern.

|  |
| --- |
|  |

Clicking on the ‘Pattern’ menu (under ‘Examples’) will redirect to a webpage (pattern.php) that will display the above pattern.

The sample screenshot for Task 3 is as below:

|  |
| --- |
|  |

# Task 4

Use a ‘for’ loop to create the following table. 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)



Clicking on the ‘Table’ menu (under ‘Examples’) will redirect to a webpage (table.php) that will display the above table.

The sample screenshot for Task 4 is as below:

|  |
| --- |
|  |

# Task 5

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

# Task 6

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 ‘**/Travel’** 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 7

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

**http://web-server\_domain\_name/CST8238/Travel/travel.php**

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

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

# Task 8

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:

* travel.php
* travel-image.php
* travel-left-rail.php
* pattern.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 travel.php prepared for 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.