Assignment 2 – PHP in a real life project

Purpose

- Demonstrate your ability to fill arrays from text files and then display the content.

Due Date/Course Weight

This assignment must be submitted before **midnight on Nov 13, 2020.**

- NOTE: <u>Late assignments will NOT be accepted</u>.

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 the template file (***Book_Rep_CRM.zip)*** for Assignment 2 from 'Course Content -> Assignments -> Assignment 2' on Brightspace which contains all files required for Assignment 2.
2. Accomplish Task 1, Task 2, Task 3, Task 4, and Task 5.
3. Test your webpage on a local web browser using EasyPHP/XAMPP.
4. Deploy your code for Assignment 2 on your web hosting domain.
5. Submit the URL of your Assignment 2 on Brightspace.
6. Submit the source code of your Assignment 2 on Brightspace.

Task 1

Download and unzip the template file (***Book_Rep_CRM.zip)***. The provided template for Assignment 2 contains a PHP file (***BookRepCRM.php)*** that includes all the necessary markup as well as two text files: customers.txt and orders.txt that contain information on customers and on customer's orders.

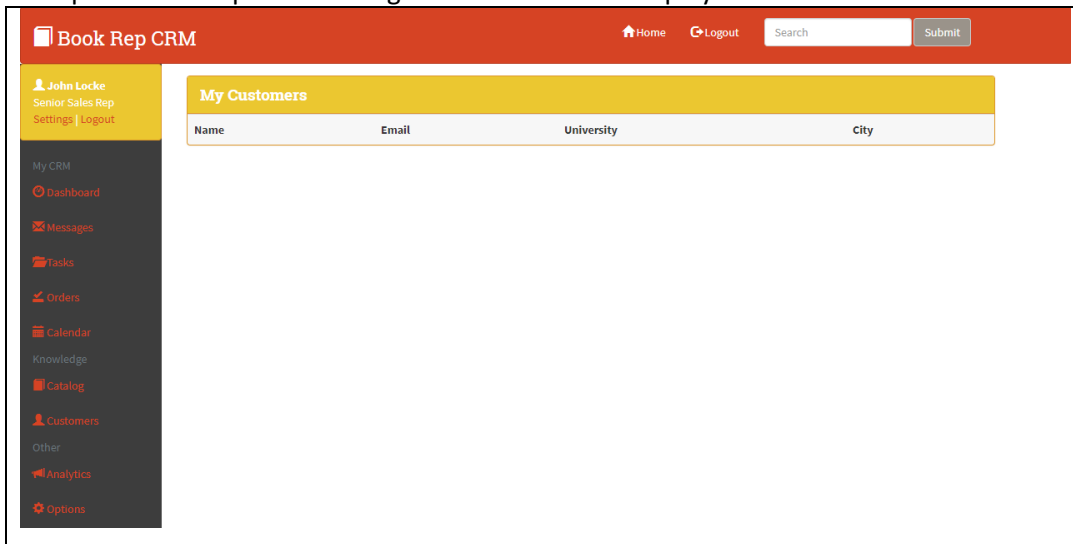The provided template for Assignment 2 should be displayed as below.

Figure 1: Provided template for Assignment 2

Task 2

Read the data in customers.txt into an array, and then display the customer data in a table. Each line in the file contains the following information:
customer id, first name, last name, email, university, address, city, state, country, zip/postal, phone.
Remember that you have to display ONLY the following information:
Name (first name, last name), Email, University, City

Task 3

Each customer name must be a link back to BookRepCRM.php, but with the *customer id* data as a query string (see Figure 2).

Read the text file customers.txt into an array and then display within this table.

The customer name will be a link to the same file but with the customer id as a query string parameter.
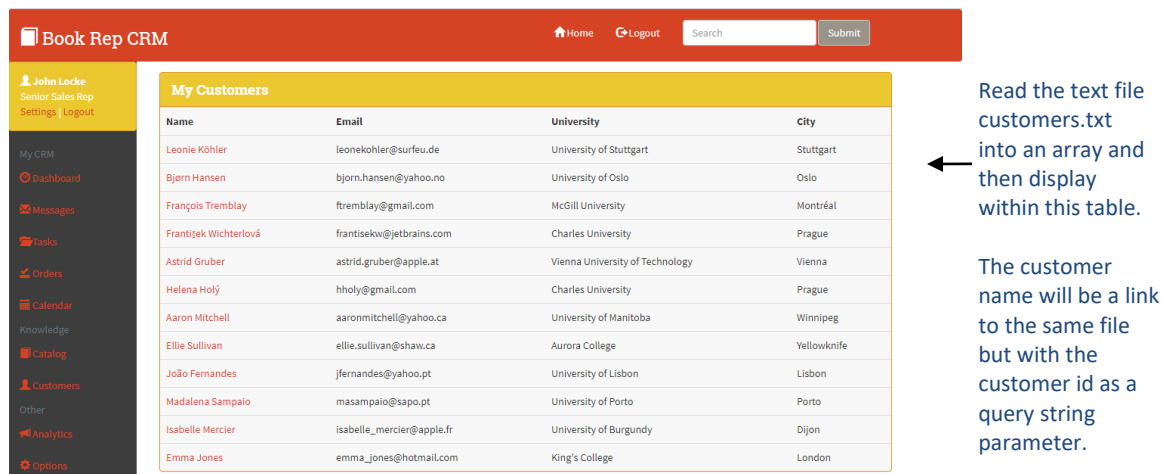
Figure 2: Expected output for Task 2 and Task 3

Task 4

When the user clicks on the customer name (that is, makes a request to the same page but with the *customer id* passed as a query string), then read the data in orders.txt into an array, and then display any matching order data for that customer (see Figure 3). Each line in the orders file contains the following data:
order id, customer id, book ISBN, book title, and book category.

Remember that you have to display ONLY the following information:
book ISBN, book title, and book category

Be sure to display a message when there is no order information for the requested customer (see Figure 4). Also note that the customer name must be displayed in the panel heading for the orders.

Read the text file orders.txt into an array, and then display the orders for the specified customer within this table (the second field in the order file is the customer id).

Figure 3: Sample output for Task 4

Name	Email	University	City
Leonie Köhler	leonekohler@surfeu.de	University of Stuttgart	Stuttgart
Bjørn Hansen	bjorn.hansen@yahoo.no	University of Oslo	Oslo
François Tremblay	ftremblay@gmail.com	McGill University	Montréal
Frantiŝek Wichterlová	frantisekw@jetbrains.com	Charles University	Prague
Astrid Gruber	astrid.gruber@apple.at	Vienna University of Technology	Vienna
Helena Holý	hholy@gmail.com	Charles University	Prague
Aaron Mitchell	aaronmitchell@yahoo.ca	University of Manitoba	Winnipeg
Ellie Sullivan	ellie.sullivan@shaw.ca	Aurora College	Yellowknife
João Fernandes	jfernandes@yahoo.pt	University of Lisbon	Lisbon
Madalena Sampaio	masampaio@sapo.pt	University of Porto	Porto
Isabelle Mercier	isabelle_mercier@apple.fr	University of Burgundy	Dijon
Emma Jones	emma_jones@hotmail.com	King's College	London

No orders for that customer ← Some customers have no orders

Figure 4: Sample output for Task 4

Task 5

Test your website on a local web browser using EasyPHP/XAMPP. Verify that the correct orders are displayed for different customers.

Task 6

Copy all files of Assignment 2 into '**Book_Rep_CRM**' folder.

Upload your website for Assignment 2 into a Web Hosting Server by uploading the '**Book_Rep_CRM**' folder inside the 'public_html' directory of 'SiteGround' Web Hosting domain using DashBoard.

The 'File Upload' instruction is posted on Brightspace (**Course Contents -> Module 1 -> Part 2 -> SiteGround_FileUpload_Instruction.docx**).

Task 7

View your website for Assignment 2 using a web browser. Open a web browser and navigate to the following web address:

http://your_web-hosting_domain_name/Book_Rep_CRM /BookRepCRM.php

For example, the sample URL for the homepage of Assignment 2 on an arbitrary web hosting domain is:

rejaulc.sgedu.site/*Book_Rep_CRM /BookRepCRM.php*

where '*rejaulc.sgedu.site*' is the name of an arbitrary web hosting domain, '*Book_Rep_CRM*' is the source folder for Assignment 2, '*BookRepCRM.php*' is the homepage of Assignment 2.

Task 8

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

Create a compressed file (**BookRepCRM.zip**) which will contain all the source files for Assignment 2.

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

Create a word document (**Assignment2.doc**) in which write the following Information:
- Student Number
- First Name
- Last Name
- The URL, or hyperlink of the home page 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 (**BookRepCRM.zip**) on Brightspace.

Finally, 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 Assignment you will receive a ZERO for the lab assignment.

IMPORTANT NOTE:
If you do not upload either BookRepCRM.zip or Assignment2.doc on Brightspace, you will receive a ZERO for the assignment.