Assignment 3: PHP

Important Notice:

- Remember that PHP runs on a web server. You cannot simply open in your browser a local web page with PHP codes. Instead, you must let the browser request the page from a web server. I recommend you download and install XAMPP. Create a subdirectory cs3500 under the htdocs folder and move all your assignment files there. Start the Apache server and then find the web pages by visiting http://localhost/cs3500/ in your browser.
- We introduce PHP before JavaScript so that you can start server-side programming in your project earlier. As a side-effort, we have not learned yet JavaScript codes contained in the source codes in this assignment. Simply ignore these JavaScript codes. We will learn them after we finish PHP.

PART 1: Art Store (Chapter 8, Project 2)

Overview

Demonstrate your ability to work with PHP by converting chapter08-project02.html into a PHP file that looks like that shown on the next page.

Instructions

1. You have been provided with an HTML file (chapter08-project02.html) that includes all the necessary markup. Save this file as chapter08-project02.php.
2. Move the header and footer into two separate include files named art-header.inc.php and art-footer.inc.php. Use the PHP include() function to include each of these files back into the original file.
3. Use a for loop to output the special list.
4. Create a function called outputCartRow() that has the following signature:
   ```
   function outputCartRow($file, $product, $quantity, $price) { }
   ```
5. Implement the body of the outputCartRow() function. It should echo the passed information as a table row. Use the number_format() function to format the currency values with two decimal places. Calculate the value for the amount column.
6. Replace the two cart table rows in the original with the following calls:
   ```
   outputCartRow($file1, $product1, $quantity1, $price1);
   outputCartRow($file2, $product2, $quantity2, $price2);
   ```
7. The above variables are defined in the file art-data.php. You will need to include this file.
8. Calculate the subtotal, tax, shipping, and grand total using PHP. Replace the hard-coded values with your variables that contain the calculations. Use 10 percent as the tax amount. The shipping value will be $100 unless the subtotal is above $2000, in which case it will be $0.

Test

1. Test the page in the browser. Verify that the calculations work appropriately by changing the values in the art-data.php file.

👤 My Account 　　 🎁 Wish List 　　 🛒 Shopping Cart 　　 ➜ Checkout

Art Store

| Search | 🔍 |

| Home | About Us | Art Works | Artists | Specials ▾ |

- Special 1
- Special 2
- Special 3
- Special 4
- Special 5

View Cart

Image	Product		Quantity	Price	Amount
	Artist Holding a Thistle		3	$500.00	$1,500.00
	Self-portrait in a Straw Hat		1	$700.00	$700.00
				Subtotal	$2,200.00
				Tax	$220.00
				Shipping	$0.00
				Grand Total	**$2,420.00**

Continue Shopping 　 Checkout

ℹ **About Us**

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s.

📞 **Customer Service**

Delivery Information

Privacy Policy

Shipping

Terms and Conditions

🛒 **Just Ordered**

The Veiled Woman
5 minutes ago

Artist Holding a Thistle
11 minutes ago

Self-portrait in a Straw Hat
23 minutes ago

✉ **Contact us**

| Enter name ... |
| Enter email ... |
| Enter message ... |

Submit

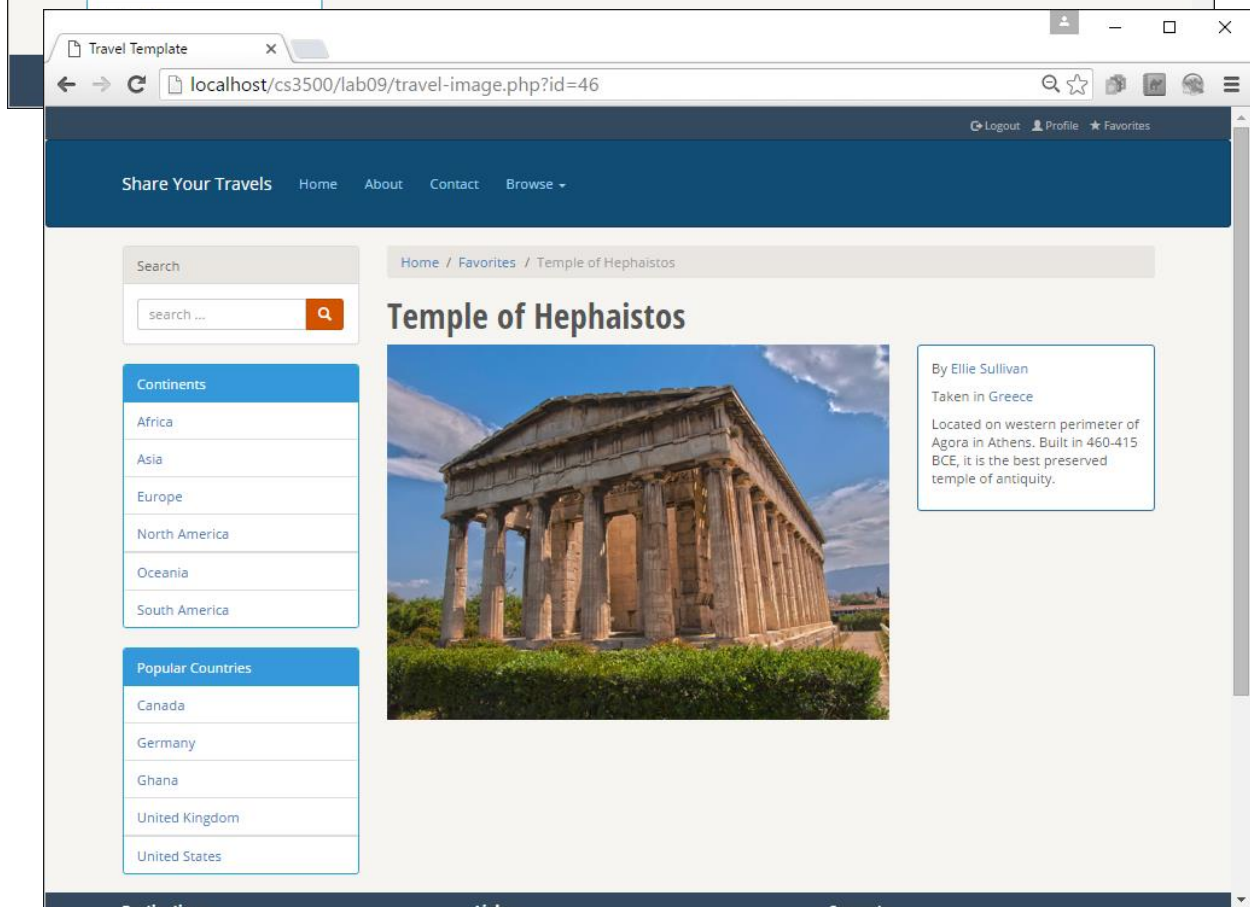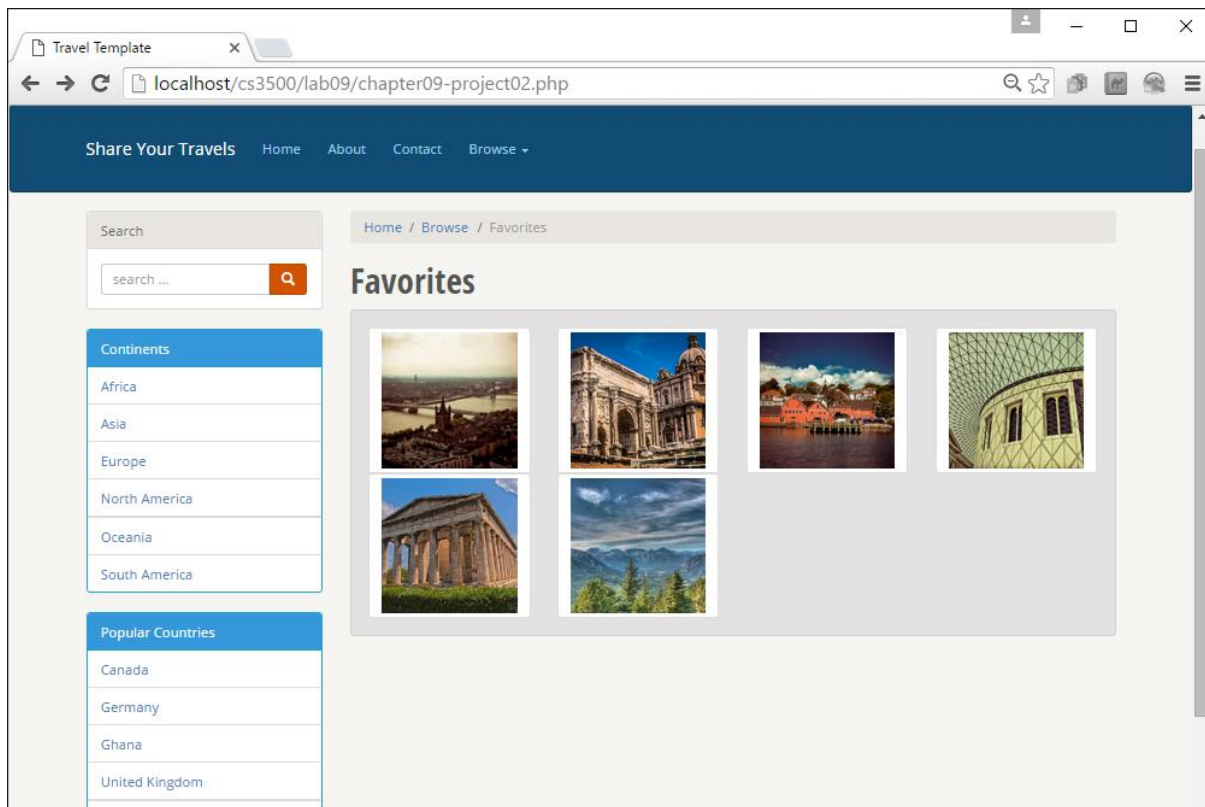**PART 2: Travel Photo (Chapter 9, Project 2)**

Overview

You have been provided with two files: a page that will eventually contain thumbnails for a variety of travel images (chapter09-project02.php) and a page that will eventually display the details of a single travel image (travel-image.php). Clicking a thumbnail in the first file will take you to the second page where you will be able to see details for that image, as shown in the figures on the next page.

Instructions

1. Both pages will make use of arrays that are contained within the include file travel-data.php. Include this file in both pages.
2. Both pages make use of an include file called 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. After verifying that it works, use the appropriate sort functions to sort the continents and countries arrays alphabetically. For the country list, notice that the links include the code in the query string.
3. Within chapter09-project02.php in the <div> below the Favorites 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). Notice that the links are to travel-image.php and that they pass the id element as a query string parameter.
4. In travel-data.php, retrieve the passed id in the query string, and use it as an index into the $images array. With that index, you can output the relevant title, image (in the images/travel/medium folder), user name, country, and description.

Test

1. Test the pages in the browser (Remember that you must use a web server).

localhost/cs3500/lab09/chapter09-project02.php

Share Your Travels Home About Contact Browse ▾

Search

search ... 🔍

Continents

Africa

Asia

Europe

North America

Oceania

South America

Popular Countries

Canada

Germany

Ghana

United Kingdom

Home / Browse / Favorites

Favorites

---

localhost/cs3500/lab09/travel-image.php?id=46

🕩 Logout 👤 Profile ★ Favorites

Share Your Travels Home About Contact Browse ▾

Search

search ... 🔍

Continents

Africa

Asia

Europe

North America

Oceania

South America

Popular Countries

Canada

Germany

Ghana

United Kingdom

United States

Home / Favorites / Temple of Hephaistos

Temple of Hephaistos

By Ellie Sullivan

Taken in Greece

Located on western perimeter of Agora in Athens. Built in 460-415 BCE, it is the best preserved temple of antiquity.

Destinations Links Connect

PART 3: Book Rep CRM (Chapter 9, Project 3)

Overview

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

Instructions

1. You have been provided with a PHP file (chapter09-project03.php) that includes all the necessary markup. You have also been provided with two text files: customers.txt and orders.txt that contain information on customers and on customer's orders.
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. You will notice that you are only displaying some that data.
3. Each customer name must be a link back to chapter09-project03.php, but with the customer id data as a query string (see figure on the next page).
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 that customer (see the figure). Each line in the orders file contains the following data: order id, customer id, book ISBN, book title, and book category. Be sure to display a message when there is no order information for requested customer.

Test

1. Test the page in the browser. Verify the correct orders are displayed for different customers. Also note that the customer name is displayed in the panel heading for the orders.

Screenshot 1

localhost/cs3500/lab09/chapter09-project03.php

Book Rep CRM

Home Logout Search [Submit]

John Locke
Senior Sales Rep
Settings | Logout

My CRM
Dashboard
Messages
Tasks
Orders
Calendar
Knowledge
Catalog
Customers
Other
Analytics
Options

My Customers

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Screenshot 2

localhost/cs3500/lab09/chapter09-project03.php?customer=2

Book Rep CRM

Home Logout Search [Submit]

John Locke
Senior Sales Rep
Settings | Logout

My CRM
Dashboard
Messages
Tasks
Orders
Calendar
Knowledge
Catalog
Customers
Other
Analytics
Options

My Customers

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