

Lab 5

Finish CRM Website

You are home over spring break and you get a call from an old friend who is desperate for some help completing a Customer Relationship Management (CRM) web application her company has been working on. She works for a textbook publishing company and the developer they hired to build the site just quit. Her job is on the line and she wants to know if you have experience with PHP and could help her finish the site. She thinks it will take only about a week to finish the work.

She explains the web application to you. The site displays a table of customers with their name, university, city and sales. When the user clicks on the customer name, a block of content with customer details is displayed along with another table that displays the books the customer has purchased.

The developer did the work of reading in the customer data and stored it in an array. All of the customers in the file should be displayed in a table. However, he didn't complete that piece. In fact, he hard coded just one customer into the table. At least you know what the table should look like, now you just need to modify the code so that all customers are displayed.

Next, you'll need to display a div container with the customer details. Again, the developer hard coded one customer details there. You need to write the PHP code that will display customer information based on the customer ID added to the query string in the URL.

Your friend tells you if you're interested in the job, which you definitely are, the code is on github in the class CSC2053 repository under the lab5 folder. You can do a pull and add the files and folders to your Xampp environment to start work. The class github repository is at:

<https://github.com/kmaloneVillanova/2053Spring21>

After getting the code from github, setting it up and reviewing index.php, you make a few notes about what you must do.

To finish the site, you must:

1. **Display all customers in the table** - Customer information is stored in the text file, customers.txt. There is a function in book-utilities.inc.php that reads in the file and stores the customer information in an array. This array is returned to index.php as \$customers. The first thing you want to do is observe the contents of this array. You notice the \$customers array is an array of arrays. Each array within \$customers represents one customer. You think about how you can display this information in the html table. It kind of reminds you of how pet information was stored and displayed in a class assignment you did.
2. Display customer details in the div container that appears to the right of the table when a user clicks on a customer name. You think again of the cutest pet website you did. Were the pet details displayed using a query string?

Fortunately, the orders table is complete and nothing needs to be done there. You make a note to see how the orders table is implemented. Maybe it will help you with the customers table.

Set up

1. Do a pull and get lab5 from the class repository.
2. Move the crm folder under htdocs in your Xampp environment.
3. Go to localhost/crm/ and view the site.
4. You'll need to modify index.php only to complete the project.

Submission

Upload your code to webster.csc.villanova.edu. Note: you may need to change the permissions on the data folder and the files in it to 755. You can use this command from the html folder – `chmod -R 755 .`

Submit your URL and index.php to Blackboard.

Grading

10 points – Github

Getting the code from github.

70 points - Implementation

Web application displays all customers from customers.txt in the table and customer details are displayed when the customer is clicked.

20 points

Code is correctly uploaded to webster.csc.villanova.edu and the link to your page works.

Readability: Make sure your code is indented and neatly commented.