**Term Project Part II: Finish the Site (150pts)**

As discussed prior to part I, we will be creating an online store that will combine all of the topics we cover throughout the semester. For the second half of the project, you will be responsible for finishing off the work that you started in part one. These items should be added to the previous work, this means your the driver file(engine) should just be expanded upon.

When you are done, ensure that all of your files (images, php files, style sheets, include files...everything) are in the ***cis222/p2*** directory on your server. Push a copy to git and ensure you include a link to your page in the index file. **It is essential that I can see a working version of your page by clicking a link in the index or entering** [***http://cis.hfcc.edu/~userID/cis222/p2/***](http://cis.hfcc.edu/~userID/cis222/p1/)**in a browser**.

This is due by the end of class on the 10th of December 2019.

1. Update Databases (30 points)

You should already have a customers table, and a products table from the first half of the project. Now you must implement 3 new tables. A cart, order, and order\_items table. These table swill be discussed more in detail in class, but should be the foundation for customer checkouts. They should link to the customer and products tables in your database.

Additionally, the customers table should be functional for when you inmplement the log in process below. Make sure you have at least three or four accounts, and that at least one is an administrator. Note: Do not store passwords in clear text. They need to be encrypted!

Using either the MySQL command line interface or PHPMyAdmin, you must create an export of your database that includes all of your data. You must include this export file with your finished project. Call it something like delta.sql or update.sql

1. Product Detail Page (30 points)

Now your site should already be slightly interacting with the database. Expand upon this by making your inventory listing (or catalog) page contain links to a product detail page.

Then build out this product detail page so that it is dynamic, since this is the best part about using PHP with your site. This would be similar in function to how the catalog page works, just with specific products instead. This one product page should be populated with data from your product table for only the item that is selected.

1. Let Users Log In (20 points)

Make it so that users can log in. This is going to require the use of sessions and/or cookies. You can read ahead in the book to start working on this if needed. The login form should allow users that have an account to log in, or allow new users to create an account.

Users should also be able to log out.

1. Let Users Buy Items (50 points)

This section requires the addition of two pages, and some changes to other pages as well.

First, on your product page template and catalog page, give the ability to add items to a shopping cart. The cart should be maintained as a database table on the server. This way, if a user leaves your site and then comes back; they should still have an existing cart, even if their cookies get erased or they are on a new browser; they would just need to log in.

Once of the new pages is a shopping cat page. When the user views their shopping cart page, display the item descriptions of the items the user has in his or her cart. Also include the quantity and the option to remove items. Users will also need a checkout button which links to the next page.

This final page should be a checkout page which should ask for basic checkout information; such as name, address, shipping and payment method. Feel free to fake the payment method for this project. Once completed this should just display a page that informs the user that the items have been purchased and clears their shopping cart, how this is shown to the user is up to you. Just be sure to provide the customer with a unique order number, ideally based on the order table from your database.

1. Additional Grading Criteria (20 points)

You must use external CSS for all formatting and appearance. It is important to be in the habit of separating content and layout, so make sure that you do not use tags or attributes that modify appearance in the markup.

Your source (PHP, markup, and CSS) must be neatly organized and formatted with appropriate tabbing, comments, and adherence to the standards we discuss in class.

All requirements that were described on project part one (with the exception of those things that this part requires that you change) remain requirements on this part.

1. Bonus (50 points)

The following is worth additional points if you choose to do them, however, you HAVE to have made an attempt at the primary functions above to receive credit for extra work; extra work is EXTRA!

Add an additional admin page that will give users the ability to add, change, or delete products on the site, but only if they are signed in with an account that has administrator privilege. You will need to provide me with an admin account for this to be graded as well.