**CS 120 Web Programming  
Project 3**

## 

## Your assignment is to create an interactive e-commerce website utilizing your skills in HTML/CSS/JavaScript/MySQL/PHP. You do not have to build the entire site – only the pages identified below. The list of pages required is listed below.

Note: the total number of points exceeds 100. If you complete everything, you will have 5 points extra credit.

## Deliverables

URL of the working *product* page  
A doc/pdf with all code.  
An export of the database (in any format you want)

## Tasks

Your task is to create four pages that would be part of an e-commerce website as well as a database to support the website. Each page must have a logo and navigation to each of the pages. You are not required to build a home page.

**Database: (20 points)**

Use MySQL as the database with PHP.

Deliverable for this part is a screen shot of the database tables.

Create a database that can store products and orders. You may choose any product type (food, cosmetics, books, clothing, etc).

* Product data should include: id, name, price, description, url of the product image
* Each product image should be able to be rendered at the same size (ie, they need to be the same aspect ratio). Product images greater than 70k in size should have their quality or dimensions adjust using https://birme.net or other photo editor.
* The images should be uploaded to the hosting server in a subfolder called ”images”.
* Orders should include: id, item id / quantity for up to 5 items, and date ordered. Optionally, add an Assignment table to allow unlimited items to be ordered.

**Page 1: Products page (30 points)**

Show all products. You should display only the image, name of product and price.   
Include two buttons adjacent to each product: “Add to Cart” and “More” as well as a drop-down list (select) for the quantity.

A screenshot of a screenshot of a widget

Description automatically generatedA *possible* layout for each product is as follows:

*Add to Cart* should add the product to a shopping cart list (use a session variable or local storage- do not store in the database) and proceed to a cart page. If an item is added to the cart more than once, add one to the quantity requested.

*More* should reveal a div positioned below the buttons that shows the description of the product.

**Page 2, 3: Cart page/Thank you page (40 points)**

This page should display a list of all items currently in the cart. For each item, display the name, quantity, price and total cost for that item. You should not show the image.

Each item should also have a button labeled “Remove from cart” adjacent to it that will delete that item.

Below the list of all items, show the total for the order (no shipping or tax is needed). There should also be two buttons: “Check Out” and “Continue Shopping”.

* When “Check Out” is clicked, go to a **thank you page** where you will store the order in the database and clear the cart. Include a message that thanks the user for their order.  
  List the order total and expected ship date in 2 days (calculate and display the date two days from now)
* “Continue Shopping” will go back to the Product page.

**Page 4: Orders Page (15 points)**

Show all orders including the date, order id, order total. For each item in the order show: items ordered/quantity/cost for that item.

The most recent order should be displayed first.

Suggestion: Populate a few orders in the database in order to test this page PRIOR to creating the product and cart pages.