



## 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 intentionally exceeds 100. If you complete everything, you will have extra credit.

### 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: (25 points)

Use MySQL as the database with PHP.

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

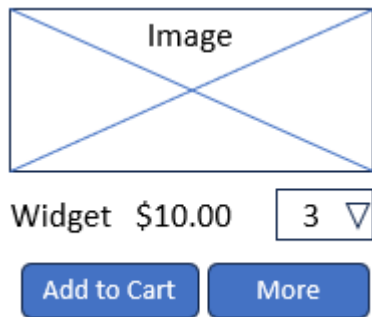
Create a database that can store products and orders. You may choose any product type (food, cosmetics, books, clothing, etc).

- 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)

Display 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 *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 the quantity requested to the quantity already in the cart.

*“More”* should reveal a div positioned below the buttons that shows the description of the product or show the description in a popup window. After the user clicks *“More”*, the button value should change to *“Less”* and the popup should go away.

### 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 in the cart, 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.

Note: for this implementation, you are *not* required to allow the user to adjust the quantity once an item is in the cart,

Below the list of cart 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 display: items ordered/quantity/cost for that item.

The most recent order should be displayed first.

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

### Deliverable Worksheet

\_\_\_ All code files (combine into a compressed/zip file)

\_\_\_ Paste screenshot of the database below

URL for product page: \_\_\_\_\_

URL for orders page: \_\_\_\_\_

Project requirements- check off those you completed.

\_\_\_ Database created to store orders and products

\_\_\_ Products page

\_\_\_ Cart page

\_\_\_ "Thank you" page

\_\_\_ Orders page

Are there any extra features you added that are not listed above?

What was the most interesting part of this project?