CMPS 3680 Lab 3

Spring 2024

Part 1 - Setup

1. For this assignment you will have multiple files, so I would highly recommend creating a lab3 folder.
2. Inside of the lab3 folder you will create three php files: `home.php`, `header.php`, and `footer.php`.
3. Your home file will have the following structure:

```html
<!doctype html>

<html lang="en">
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
        <title>Your Shop Name</title>
        <link rel="stylesheet" type="text/css" href="./style.css">
        <link rel="shortcut icon" href="./favicon.png" />
    </head>
    <body>
        <?php require_once './header.php'; ?>
        <?php require_once './products.php'; ?>
        <?php require_once './footer.php'; ?>
    </body>
</html>
```

4. Your `header.php` file will only contain a set of `<header></header>` tags with the header content in it.
5. Your `footer.php` file will only contain a set of `<footer></footer>` tags with the footer content in it.
6. You can download any small square png file to your lab3 folder and name it favicon.png
   There are a few good sites to find icons. One that I like is https://icons8.com.

Part 2 - Page Requirements

header.php

1. Insider of your header tags:
   a. Create an h1 with the title of your shop. Call it whatever you want.
   b. Create an h2 with your shop's slogan.
2. Use CSS to do the following:
   a. Change the background color of the header.
   b. Make it span the entire width of the page.
   c. Center your h1 and h2 tags and fancy them up a bit!

footer.php

1. Inside of your footer tags:
   a. Use the html code `©` to insert the copyright symbol.
   b. Place the name of your company and the year after the copyright.
2. Use CSS to do the following:
   a. Make the background color of your footer match the header.
   b. Make it span the entire width of the page.
   c. Center the text, and make it bolder.

products.php

This file will be ENTIRELY PHP code.

1. First, download the json file containing the product data here:
   https://cs.csubak.edu/~paul/cs3680/labs/products.json
   HINT: If you are on Odin, you can use wget to download files.
2. Use `file_get_contents` to retrieve the data from products.json
3. Use `json_decode` to convert the JSON to an associative array (READ THE DOCS!)
4. Use `uasort` to sort the records by quantity.
5. Use a foreach loop to build an html product "card" for each record.
   Since there will be a lot of html mixed with variables, I highly recommend using heredoc or string concatenation for this.
   You can access nested associative array elements like this:

   `$product['details']['name']`
6. Use CSS to do the following with each product card:
   a. Show the image on the left and the product info on the right (except the description).
   b. Show the description below this.
   c. Use inline-block or flexbox to have the cards appear next to each other, but limit them to 2 per row.
   d. Apply some style of your choice to make the cards look nice.

Example

When you are one, your page should look something like this (not all products shown here):