# CMPS 3680 Lab 3

Spring 2025

## 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:

- 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 <u>https://icons8.com</u>.

### 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. You will use php to print/echo the html that will be sent to the browser.

- First, download the json file containing the product data here: <u>https://cs.csubak.edu/~paul/cs3680/labs/products.json</u> 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.
- 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 <u>heredoc</u> or string

interpolation 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):

# Paul's Emporium

You Won't Find Better Products Anywhere Else!

