CMPS 3680 Lab 4

Spring 2024

Part 1 - Setup

1. For this assignment you will have multiple files, so I would highly recommend creating a lab4 folder.
2. Inside of the lab4 folder run the following commands from the terminal:

```
wget https://cs.csubak.edu/~paul/cs3680/labs/lab4.zip
unzip lab4.zip
```

   This will download and extract the required files you will use for this lab.
3. Also inside of your lab4 folder, run the following commands:

```
mkdir data
chmod 707 data
```

   This will create a directory that your php scripts will have permission to write to.
4. Notice that I have provided a file called `productTools.php` with some useful functions in it.
   YOU DO NOT NEED TO EDIT THIS FILE! But feel free to take a look at it and see what the functions do.
5. Notice I have also included a `validate.php` file. This is where you will write your functions to validate values.

Part 2 - Page Requirements

remove.php

1. You will create this file, and it will be VERY similar to `add.php`, with the following differences:
   - The title and header will say "Remove Products"
   - The ONLY input field in the form will be the id field.
   - Once you have verified that the id is valid and is NOT unique, you will remove the product using the provided function (look in `productTools.php`)
   - Add a button next to the submit button called "Dump" that will use the provided function to dump/delete all of the products. (hint: the name/value attributes are your friend)

add.php

1. Before you begin coding anything, study this file carefully and make sure you understand it.
2. I have marked the areas where you will complete the assignment with a `TODO:`
3. You will be responsible for adding the following additional fields (all of them are required):
   - **productName:** Can only contain lowercase and uppercase letters
   - **vendor:** Same requirements as productName (hint: use the same validate function)
   - **vendorPhone:** Must use the following format: XXX-XXX-XXXX (numbers only)
   - **quantity:** Can only contain numbers
   - **lastPurchased:** Should be a date, and cannot be blank
4. To meet these requirements you will use a combination of the following:
   - **Front end validation:** choosing the proper input types, and using the 'required' attribute, etc...:
   - **Back end validation:** creating validation functions in `validate.php` that you will use in `add.php`
5. Use PHP to make all of the form values 'sticky'.

style.css

1. There are no specific requirements here, but I would expect you to spend a little time making the UI/UX pleasant for the user.