

## BCIS 4090 PHP/MySQL LAB 1

**NOTE:** Three files are included with this assignment. Two PHP (.php) files containing the HTML code necessary to create the web pages to which the PHP code will be embedded and a CSS (.css) file. You can use these to get you started but they will need to be adapted to meet the requirements of the lab. You should understand the HTML and CSS being used as you will be required to create your interfaces in future labs. Replace *yourname* in all file names with **YOUR actual name**. For example, *lastname\_firstname\_process\_order.php* would be **sharp\_jason\_process\_order.php**. **Files that are named incorrectly WILL NOT BE ACCEPTED.**

Your web designer has provided you with two files. The first, *yourname\_cart.php* allows customers to type in their first name and last name, the name of the item they are purchasing, how many they want to purchase, and the item price (in future assignments we'll get this type of info from a database!) When the user clicks the submit button, your PHP code must do the following using *yourname\_process\_order.php*:

1. You need to provide a method and an action for the form and some name attributes on the inputs (i.e., names of text boxes) on *yourname\_cart.php* to get started.
2. Get all of the data from the *yourname\_cart.php* page. Check the following:
  - a. First and last name are not empty
  - b. Number of items is an integer
  - c. Price of item can handle decimal places.
  - d. If any of these checks generates an error, provide an error message and return control back to **cart.php**, displaying the error message. (**HINT: study example of pp.83-87**)
3. Calculate the subtotal which is price multiplied by the number of items.
4. Calculate the sales tax which is subtotal multiplied by sales tax rate. The sales tax rate of 8.25% (.0825) should be defined as a constant named TAX\_RATE.
5. Calculate the total price which is the subtotal plus the sales tax.
6. Determine the shipping charge according to the following information based on total price:
  - a. \$0.00 to \$25.00 shipping is \$8.00
  - b. \$25.01 to \$50.00 shipping is \$4.00
  - c. Anything over \$50 ships free!
7. Calculate the total for the transaction which is total price + shipping charge.
8. Display all required fields on *yourname\_process\_order.php*. Be sure that these fields are safe from XSS attacks.
  - a. Customer Name: should have the first name and last name concatenated together with proper spacing
  - b. The date of the order (use the function for the current date in PHP)
  - c. The name of the item
  - d. The price of the item (formatted with a dollar sign and handles 2 decimal places)
  - e. The number of items
  - f. The subtotal (formatted with a dollar sign and handles 2 decimal places)
  - g. The amount of sales tax (formatted with a dollar sign and handles 2 decimal places)
  - h. The amount of shipping charge (formatted with a dollar sign and handles 2 decimal places)
  - i. The total for the transaction (formatted with a dollar sign and handles 2 decimal places)
9. If the customer qualified for free shipping, provide a message in an H1 tag congratulating them on the savings (Something like, "Congratulations, your order qualifies for free shipping!")
10. Add comments to the beginning of both files that include: your name, 9-digit ID, date due, date submitted, and brief description of the purpose of the code.
11. Compress/zip all files into one lab assignment folder and submit them in Canvas by the due date.

Sample Input/Output:

As there is **NO index.html** or **php.index** file at this point, when **localhost/4090\_Sharp\_Lab01** (Recall, this is the required naming convention for the lab assignment folder. Make sure and use **YOUR** last name and first initial) is entered in the address box of the browser, a directory of files will be displayed. Click on the *yourname\_cart.php* file as shown in *Figure 1*.

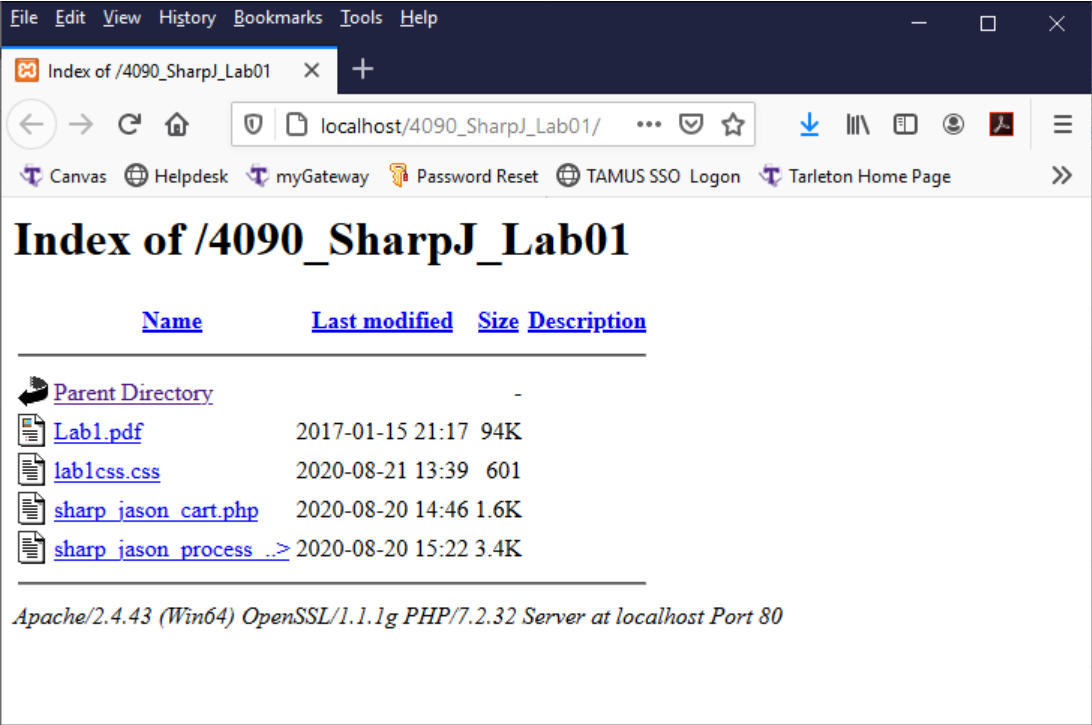


Figure 1

Starting yourname\_cart.php file

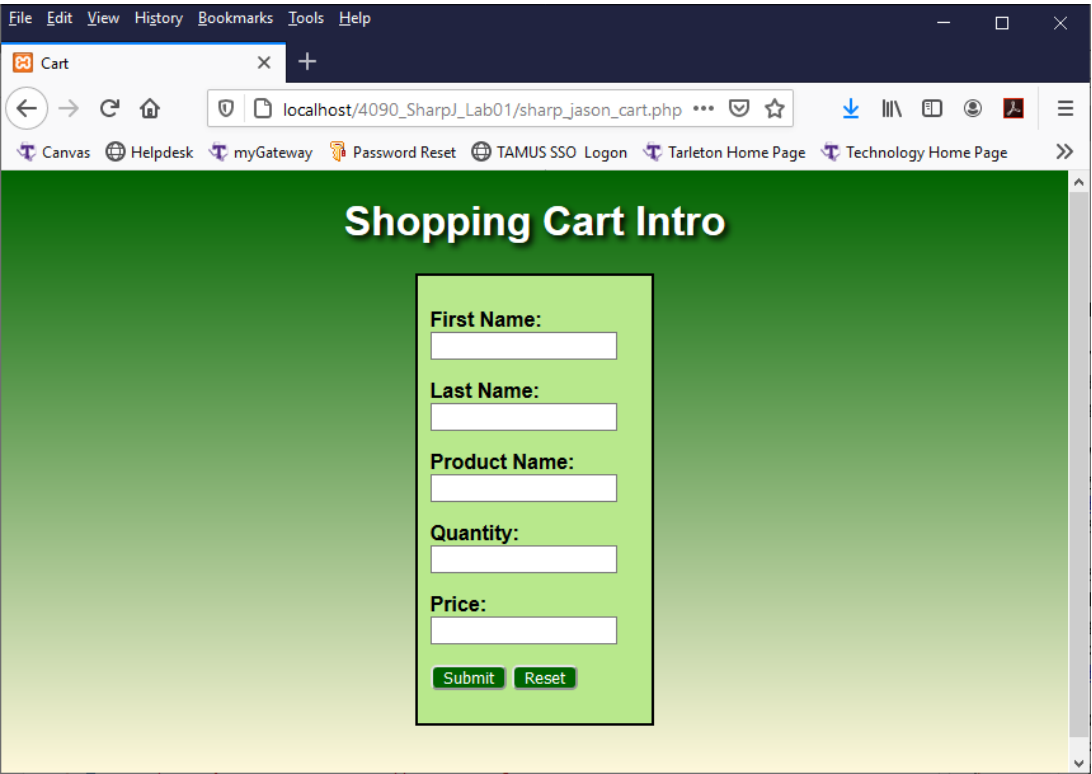


Figure 2

Sample 2

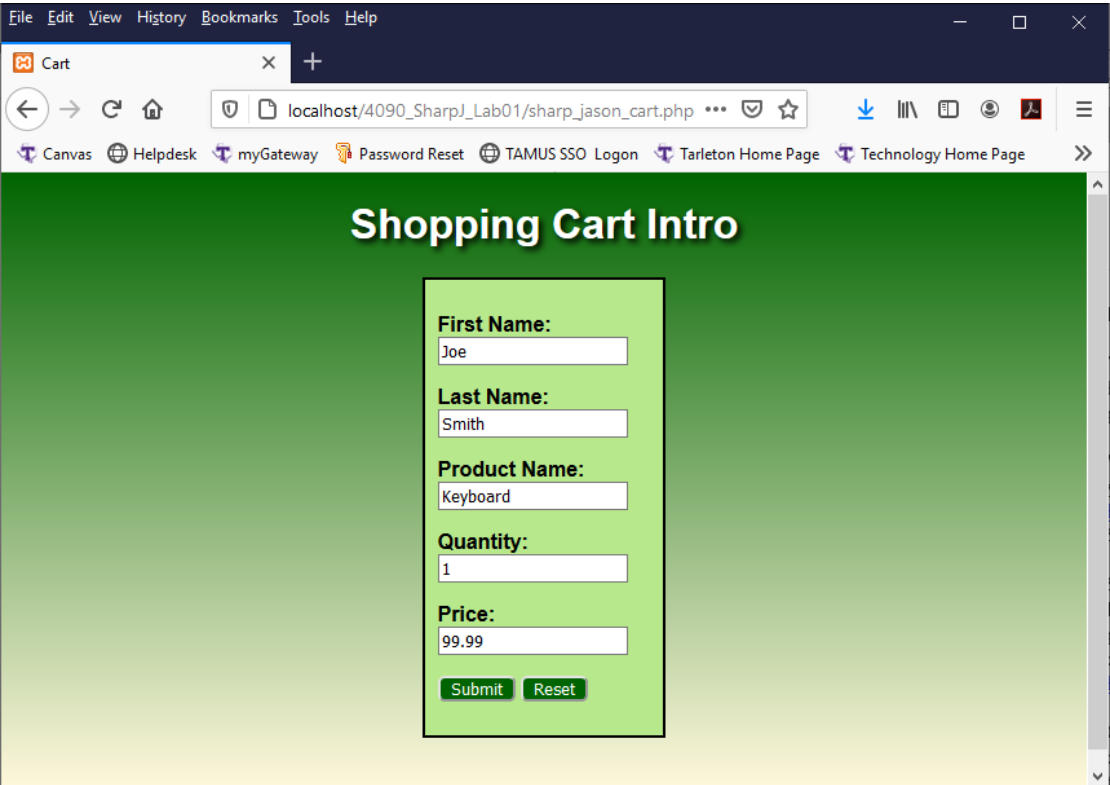


Figure 3

Sample 3 (yourname\_process\_order.php)

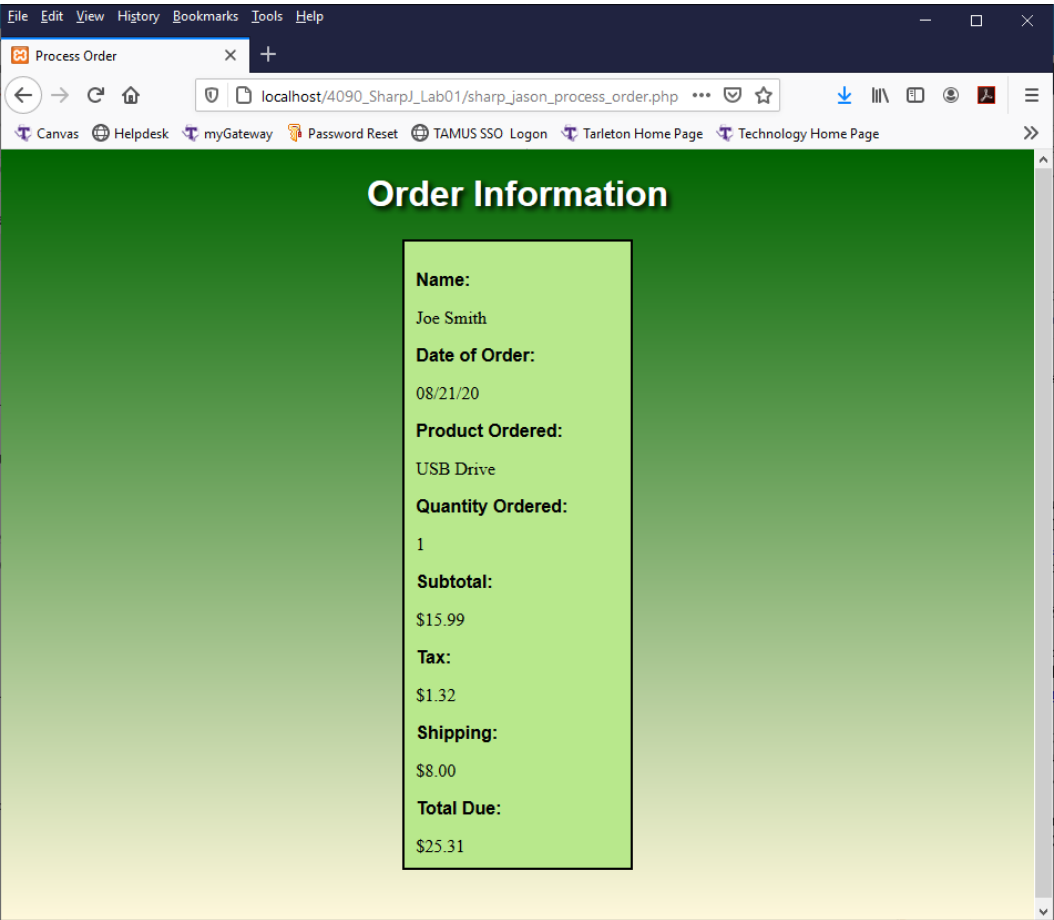


Figure 4

Sample 4

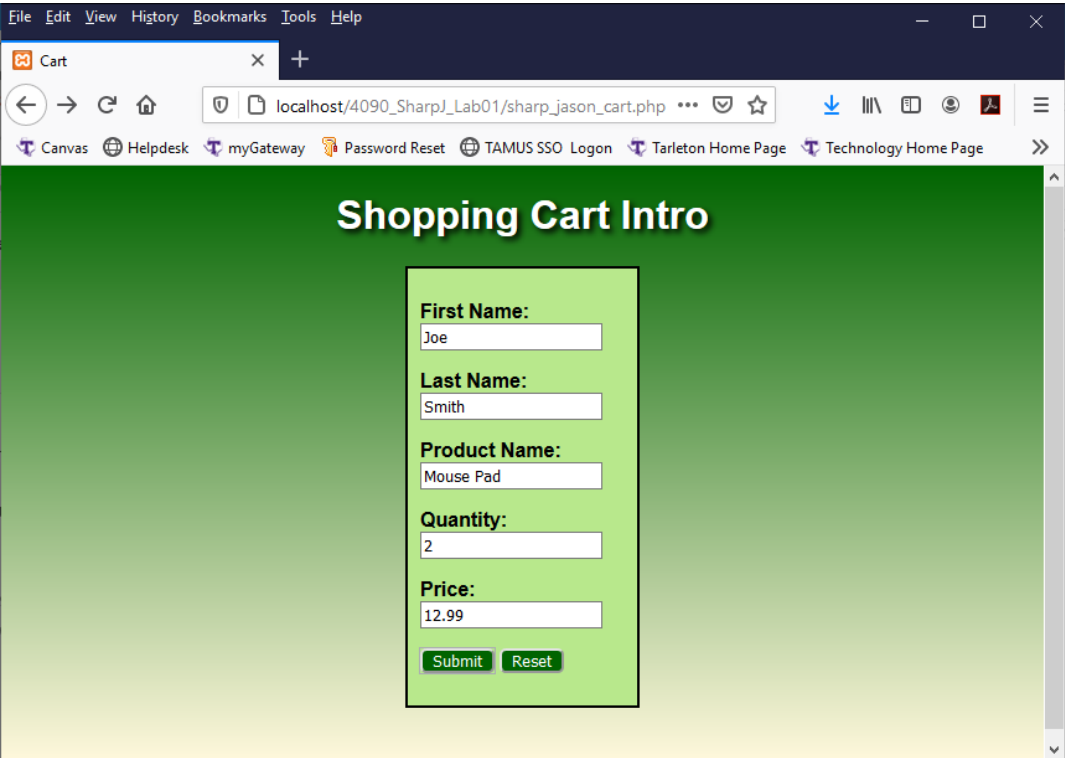


Figure 5

Sample 5

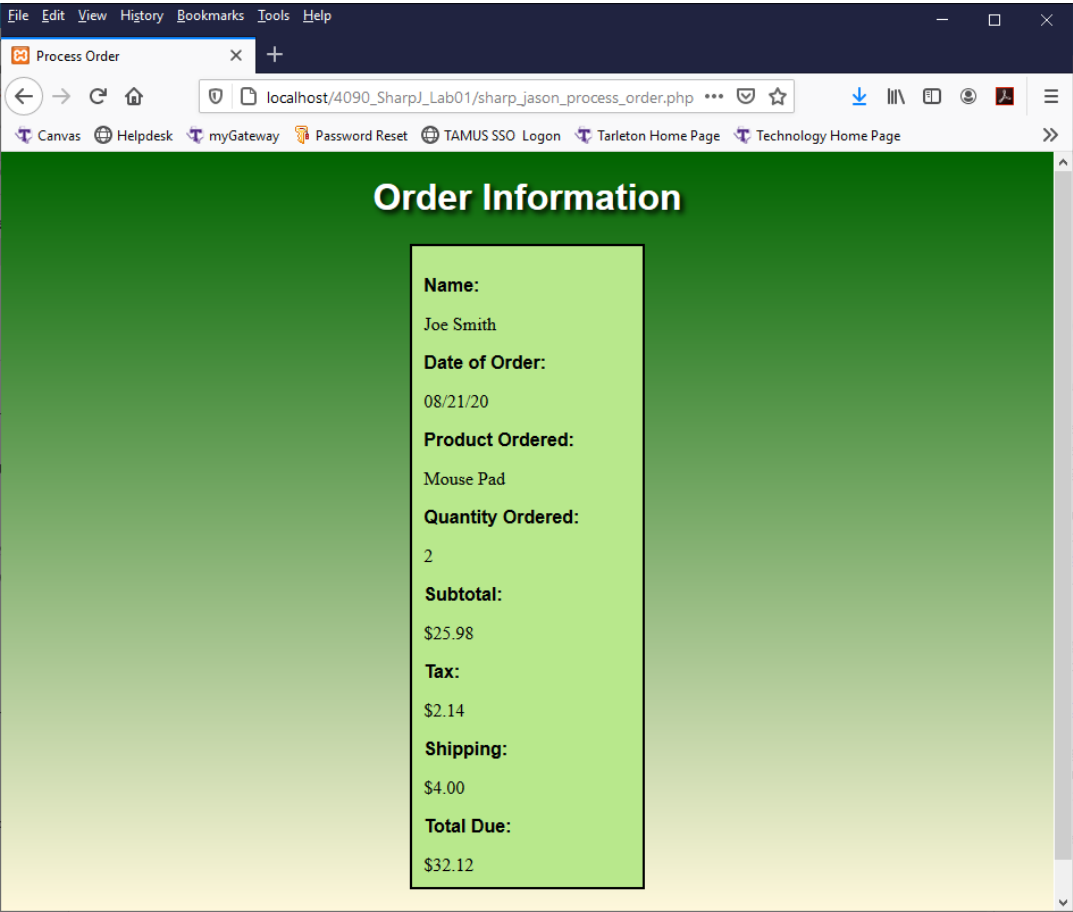


Figure 6

Sample 6

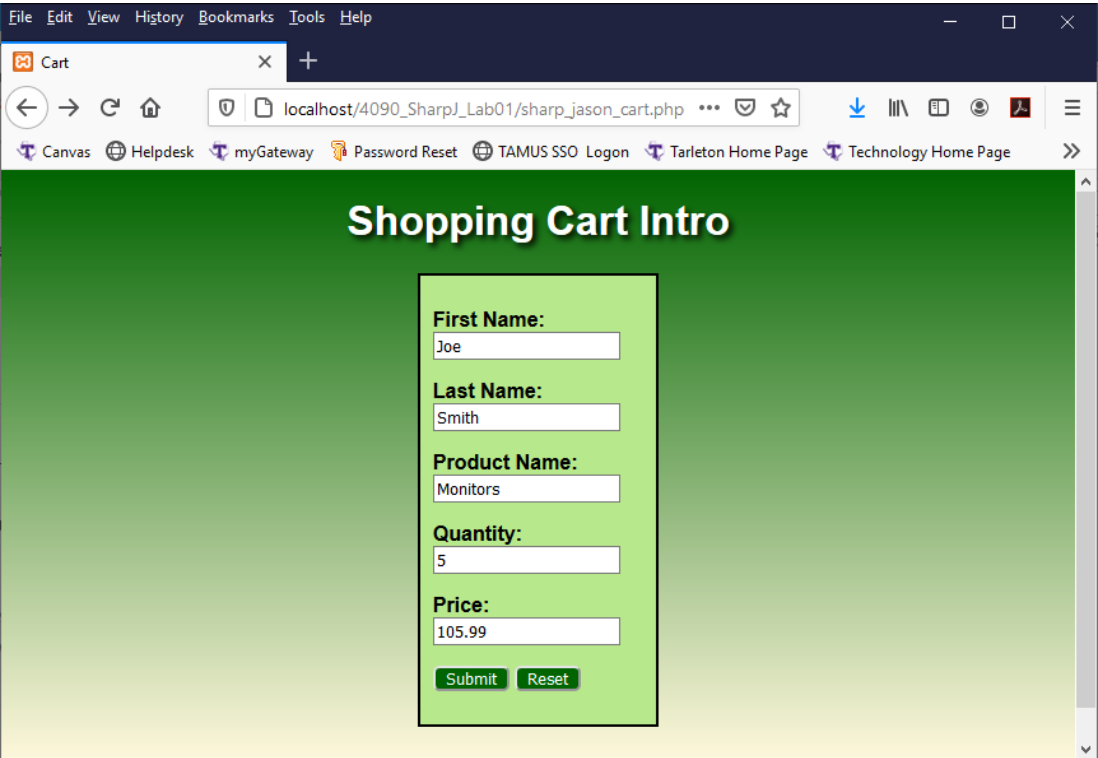


Figure 7

Sample 7

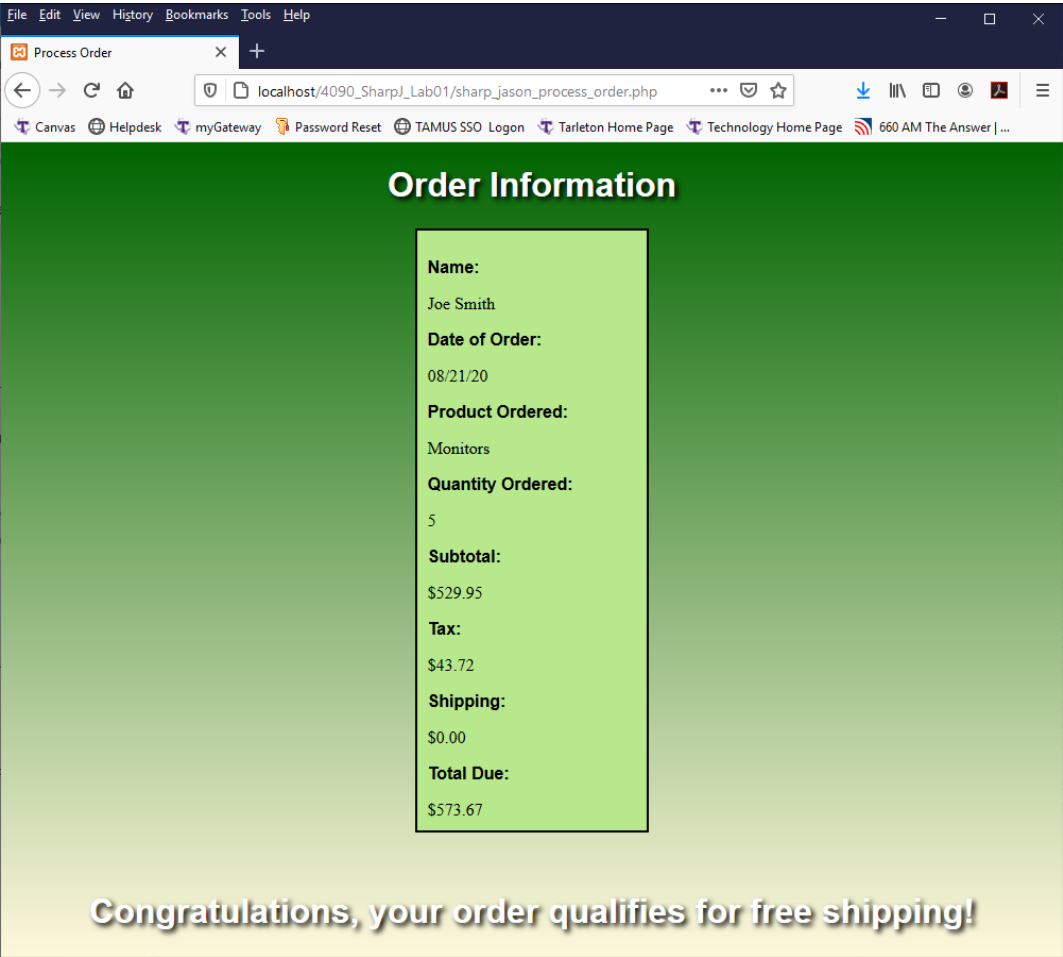


Figure 8

Sample 9

**NOTE:** If you want the “*valid*” input to “*remain*” in the text boxes rather than be cleared when an error occurs, you may include code in the *yourname\_cart.php* file to do this using the **echo** statement as demonstrated in the **index.php** file on **page 83**. You may also format the error message color and placement, if you like. This may be done directly or in the CSS file. These items are **NOT** required.

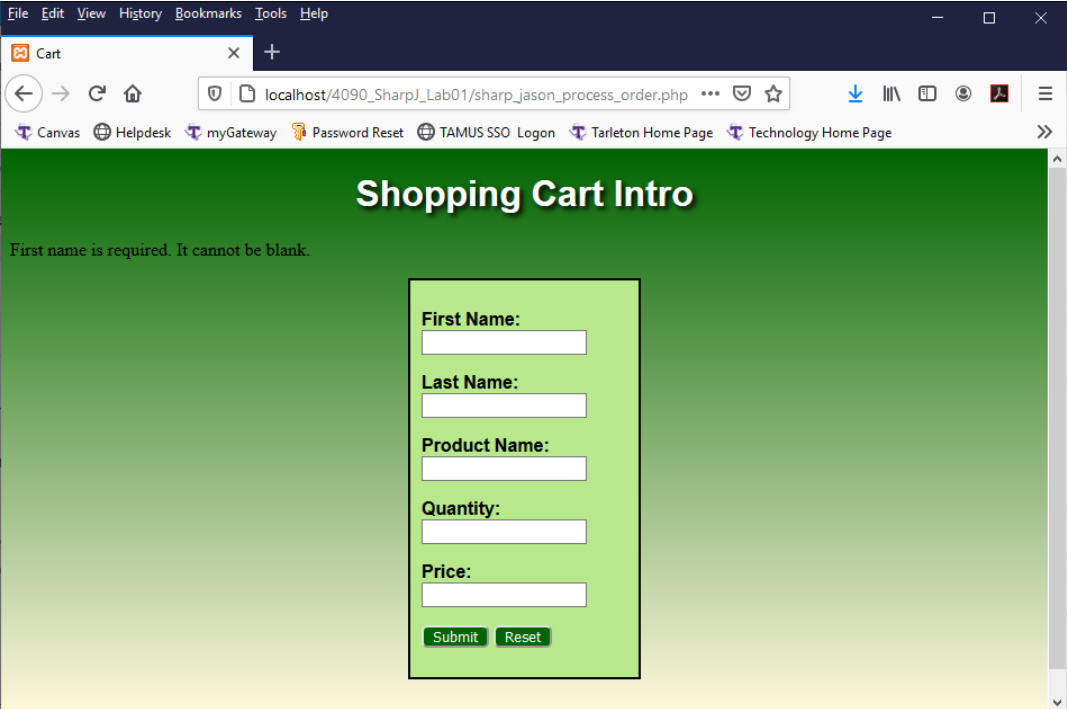


Figure 10

Sample 10

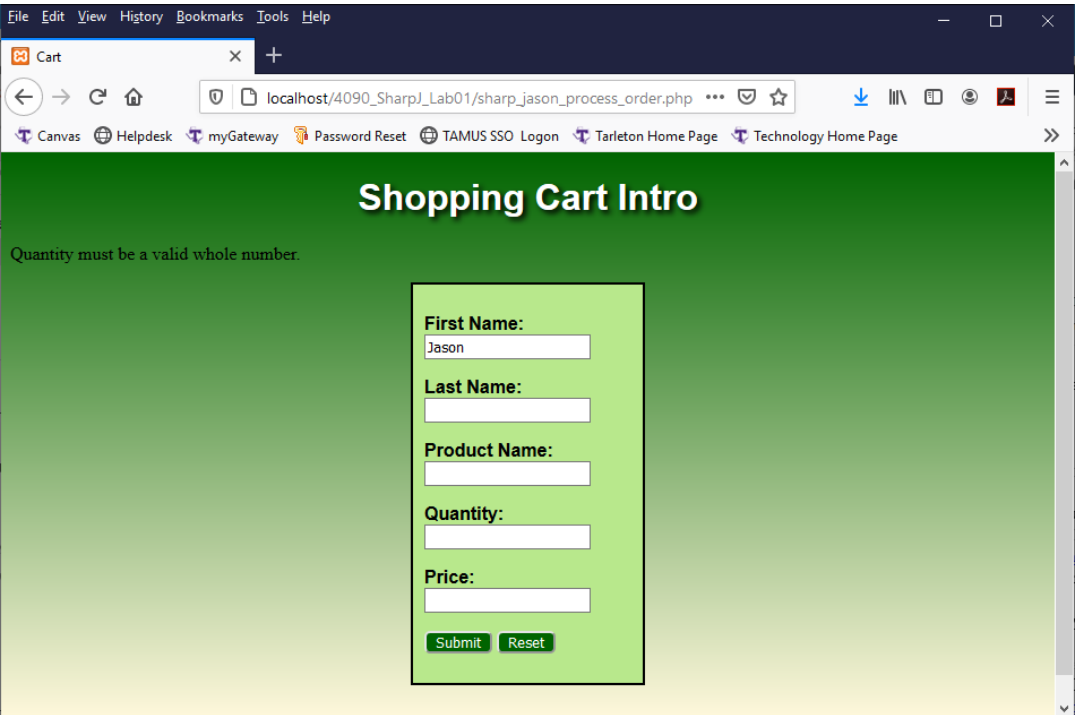


Figure 11

Sample 11

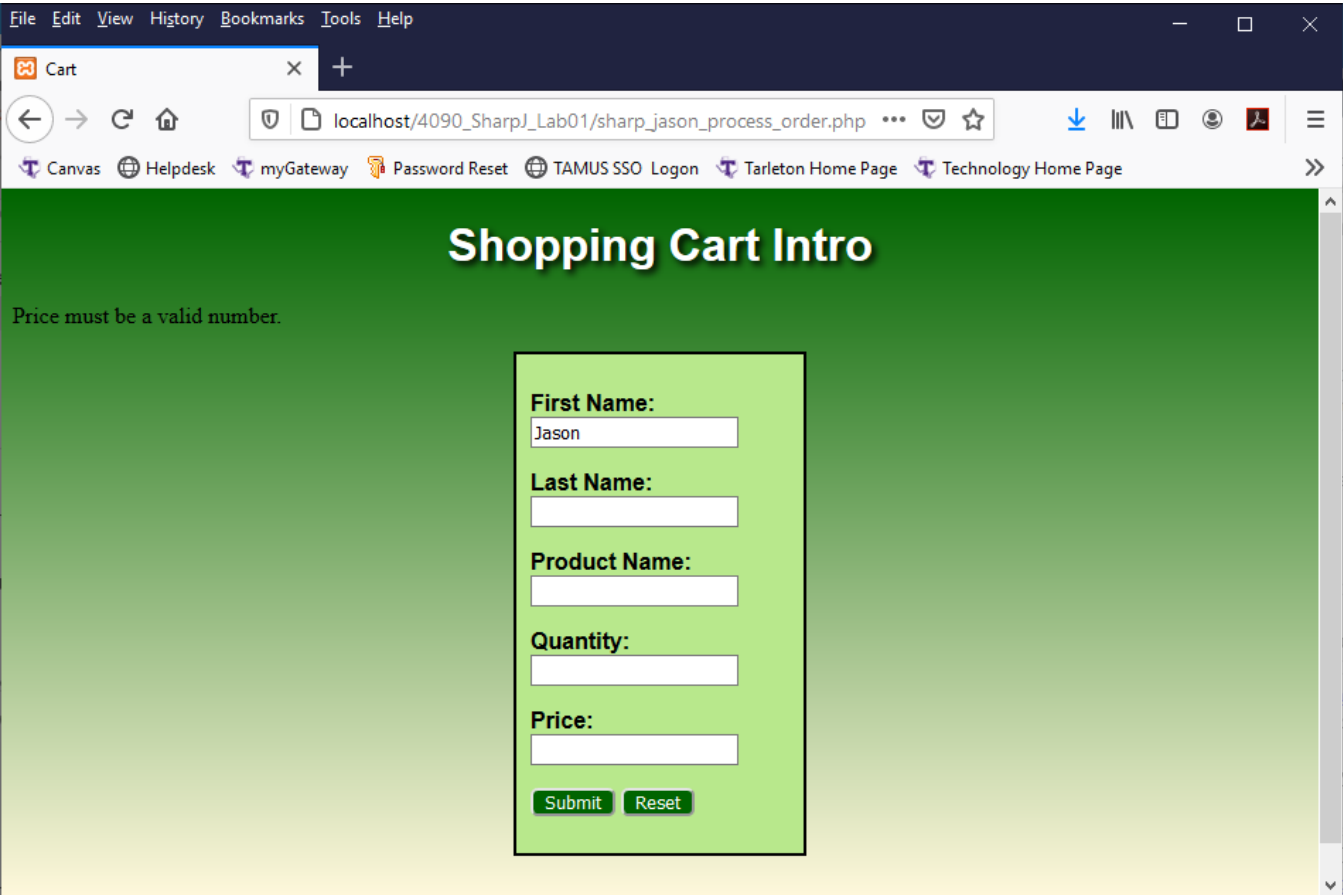


Figure 12