



LYCEUM OF THE PHILLIPINES UNIVERSITY – CAVITE
COLLEGE OF ENGINEERING
Elective 2 (Web Application Development)
Laboratory

PHP CODING IN A WEBPAGE

SCORE/GRADE

Student Name (LN, FN, MI)	
Date Assign	
Date of Submission	
Course Code / Section	

INSTRUCTIONS:



- a) After you are done performing this activity, kindly create a short video that will show yourself and your output (webpage design). In case you will not be able to comply all the requirements needed, just take a video for your current accomplished webpages only.
- b) Kindly submit your short video in the link provided by your teacher.
- c) No late submission will be accepted and checked.
- d) Kindly do your own work. You can ask your classmates but definitely do not copy.
- e) The main goal of this activity is not just to accomplish the task, but to learn something in webpage designing.

I. OBJECTIVES

At the end of this laboratory, student should be able to:

1. Explore and understand PHP codes.
2. Incorporate PHP codes in a webpage design.
3. Create webpages using CSS, HTML, Bootstrap with processes coded under PHP and executed in a web server using Apache.

II. MATERIALS

- (1) Computer Set
- (2) VS Code
- (3) XAMPP
- (4) <https://www.w3schools.com/html/default.asp>
- (5) <https://www.w3schools.com/css/default.asp>
- (6) https://www.w3schools.com/bootstrap/bootstrap_ver.asp

III. PROCEDURES

1. Use the (5) webpages designed under POS - Laboratory 1.
 - a. Perfumes Webpage Design
 - b. Local Bags Products Webpage Design
 - c. Shoes Webpage Design
 - d. Lights Webpage Design
 - e. Kitchen Utensils Webpage Design
2. The whole scenario of the things you need to consider for the computation of the discount amount, discounted amount, total quantity, total discount given, total discounted amount, and change are as follows below.
 - a. When the user clicks the image label, the corresponding label and item price will display in their respective textbox as shown in the given figure below.



Order Details:

Name of an Item:

Quantity:

Price:

Discount Amount:

Discounted Amount:

Total Quantity:

Total Discount Given:

Total Discounted Amount:

Cash Given:

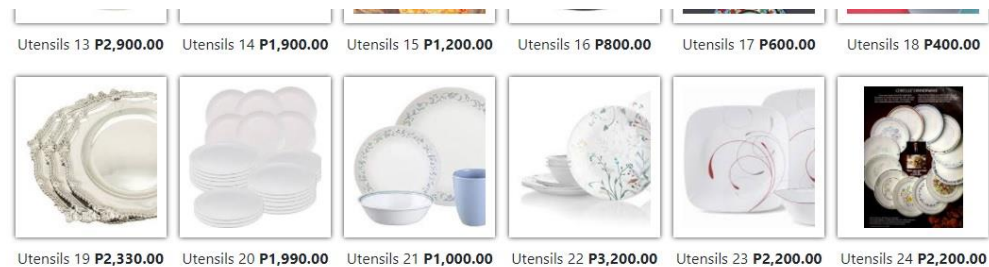
Change:

Order Discount Options:

☐ Senior Citizen ☐ With Disc. Card ☐ Employee Disc. ☐ No Discount

/	*	-
+	6	7
8	9	2
3	4	5
0	.	1

- b. The user must input the value of quantity inside the Quantity input box as shown below:



Order Details:

Name of an Item:

Quantity:

Price:

Discount Amount:

Discounted Amount:

Total Quantity:

Total Discount Given:

Total Discounted Amount:

Cash Given:

Change:

Order Discount Options:

☐ Senior Citizen ☐ With Disc. Card ☐ Employee Disc. ☐ No Discount

/	*	-
+	6	7
8	9	2
3	4	5
0	.	1

- c. After the user input the quantity, the computed result for discount amount, and discounted amount will display on their corresponding input boxes. Then the user will choose any one of the radio buttons for the Order Discount Options (Senior Citizen,



With Disc. Card, Employee Disc., and No Discount) as shown in the given figure below.
For the computation of each discount option, consider the following:

Senior Citizen = 30% from the product quantity and price.

With Disc. Card = 20% from the product quantity and price.

Employee Disc. = 15% from the product quantity and price.

No Discount = 0



Order Details:

Name of an Item:	Utensils 20
Quantity:	5
Price:	1990
Discount Amount:	2985
Discounted Amount:	6965
Total Quantity:	
Total Discount Given:	
Total Discounted Amount:	
Cash Given:	
Change:	

Order Discount Options:

☒ Senior Citizen ☐ With Disc. Card ☐ Employee Disc. ☐ No Discount

ENTER	CALCULATE CHANGE	NEW	SAVE	UPDATE
	/	*	-	
	+	6	7	
	8	9	2	
	3	4	5	
0	.	1		



Order Details:

Name of an Item:	Utensils 20
Quantity:	5
Price:	1990
Discount Amount:	1990
Discounted Amount:	7960
Total Quantity:	
Total Discount Given:	
Total Discounted Amount:	
Cash Given:	
Change:	

Order Discount Options:

☐ Senior Citizen ☒ With Disc. Card ☐ Employee Disc. ☐ No Discount

ENTER	CALCULATE CHANGE	NEW	SAVE	UPDATE
	/	*	-	
	+	6	7	
	8	9	2	
	3	4	5	
0	.	1		



Utensils 19	P2,330.00	Utensils 20	P1,990.00	Utensils 21	P1,000.00	Utensils 22	P3,200.00	Utensils 23	P2,200.00	Utensils 24	P2,200.00
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Order Details:
Name of an Item:
Quantity:
Price:
Discount Amount:
Discounted Amount:
Total Quantity:
Total Discount Given:
Total Discounted Amount:
Cash Given:
Change:

Order Discount Options:
☐ Senior Citizen ☐ With Disc. Card ☒ Employee Disc. ☐ No Discount

CALCULATE CHANGE

NEW

SAVE

UPDATE

ENTER

/

*

-

+

6

7

8

9

2

3

4

5

0

.

1

Utensils 19	P2,330.00	Utensils 20	P1,990.00	Utensils 21	P1,000.00	Utensils 22	P3,200.00	Utensils 23	P2,200.00	Utensils 24	P2,200.00
-------------	-----------	-------------	-----------	-------------	-----------	-------------	-----------	-------------	-----------	-------------	-----------

Order Details:
Name of an Item:
Quantity:
Price:
Discount Amount:
Discounted Amount:
Total Quantity:
Total Discount Given:
Total Discounted Amount:

Order Discount Options:
☐ Senior Citizen ☐ With Disc. Card ☐ Employee Disc. ☒ No Discount

CALCULATE CHANGE

NEW

SAVE

UPDATE

ENTER

/

*

-

+

6

7

8

9

2

3

4

5

- d. To compute the discount amount and discounted amount, consider the given formula below:

discount amount = price * quantity

discounted amount = (price * quantity) – discount amount

- e. Then, the user must input the amount given by the customer for paying the items he/she purchased as shown in the given figure below:



Utensils 19 **P2,330.00** Utensils 20 **P1,990.00** Utensils 21 **P1,000.00** Utensils 22 **P3,200.00** Utensils 23 **P2,200.00** Utensils 24 **P2,200.00**

Order Details:

Name of an Item:

Quantity:

Price:

Discount Amount:

Discounted Amount:

Total Quantity:

Total Discount Given:

Total Discounted Amount:

Cash Given:

Change:

Order Discount Options:

☐ Senior Citizen ☐ With Disc. Card ☐ Employee Disc. ☒ No Discount

CALCULATE CHANGE **NEW** **SAVE** **UPDATE**

ENTER

/ * -
+ 6 7
8 9 2
3 4 5
0 . 1

- f. After inputting the amount given by the customer, the user will click the Calculate Change button. Once Calculate Change button clicked, the computed result for total quantity, total discount given, total discounted amount, and change will display on their corresponding input boxes as shown in the given figure below. (NOTE: all textbox data will remain and displayed in their corresponding textboxes even after clicking the buttons involve).

Utensils 19 **P2,330.00** Utensils 20 **P1,990.00** Utensils 21 **P1,000.00** Utensils 22 **P3,200.00** Utensils 23 **P2,200.00** Utensils 24 **P2,200.00**

Order Details:

Name of an Item:

Quantity:

Price:

Discount Amount:

Discounted Amount:

Total Quantity:

Total Discount Given:

Total Discounted Amount:

Cash Given:

Change:

Order Discount Options:

☐ Senior Citizen ☒ With Disc. Card ☐ Employee Disc. ☐ No Discount

CALCULATE CHANGE **NEW** **SAVE** **UPDATE**

ENTER

/ * -
+ 6 7
8 9 2
3 4 5
0 . 1

- g. For the computation of total quantity, total discount given, total discounted amount, and change, consider the given formula below. (You can have your own style in formulating formula as long as the given requirements must be followed).

Total Quantity = is the accumulation of all inputted quantity from one transaction to another.



$$\text{\$total_quantity} += \text{\$quantity}$$

Total Discount Given = is the accumulation of all computed results of discount amount from one transaction to another.

$$\text{\$total_discount_given} += \text{\$discount_amount}$$

Total Discounted Amount = is the accumulation of all computed results of discounted amount from one transaction to another.

$$\text{\$total_discounted_amount} += \text{\$discounted_amount}$$

Change = Cash Given – Total Discounted Amount

$$\text{\$change} = \text{\$cash_given} - \text{\$discounted_amount}$$

- h. Then, when the user clicks the NEW button, all contents in the shown input textboxes will be empty except Total Quantity, Total Discount Given, and Total Discounted Amount as shown in the given figure below:

The screenshot displays a web application interface. At the top, there are six product listings for 'Utensils' (19 to 24) with their respective prices. Below this is the 'Order Details' section, which includes input fields for 'Name of an Item:', 'Quantity:', 'Price:', 'Discount Amount:', 'Discounted Amount:', 'Total Quantity:', 'Total Discount Given:', 'Total Discounted Amount:', 'Cash Given:', and 'Change:'. The 'Total Quantity' field contains the value '5', and the 'Total Discount Given' field contains '1990'. The 'Total Discounted Amount' field contains '7960'. To the right of the 'Order Details' section is the 'Order Discount Options' section, which includes radio buttons for 'Senior Citizen', 'With Disc. Card', 'Employee Disc.', and 'No Discount'. Below these are four buttons: 'CALCULATE CHANGE' (blue), 'NEW' (red, circled), 'SAVE' (yellow), and 'UPDATE' (grey). At the bottom right is a numeric keypad with buttons for digits 0-9, a decimal point, and an 'ENTER' button.

Utensils 19	Utensils 20	Utensils 21	Utensils 22	Utensils 23	Utensils 24
P2,330.00	P1,990.00	P1,000.00	P3,200.00	P2,200.00	P2,200.00

Order Details:

Name of an Item:

Quantity:

Price:

Discount Amount:

Discounted Amount:

Total Quantity:

Total Discount Given:

Total Discounted Amount:

Cash Given:

Change:

Order Discount Options:

☐ Senior Citizen ☐ With Disc. Card ☐ Employee Disc. ☐ No Discount

Buttons: CALCULATE CHANGE, NEW, SAVE, UPDATE

ENTER

Numeric Keypad: /, *, -, +, 6, 7, 8, 9, 2, 3, 4, 5, 0, ., 1

3. Apply the whole scenario to each webpage.
4. Kindly prepare at least 3 minutes video where you demonstrate the outcome of your activity and discussion of your codes per webpage.



IV. DISCUSSION

1. What is PHP? When can a programmer use PHP in web application development?

2. What is JavaScript? When can a programmer use JavaScript in web application development?

3. In web development, can a programmer both used JavaScript and PHP programming language?

4. What is POST method? When does a POST method applied by most programmer?

5. What is GET method?



X. RECOMMENDATION

XI. REFERENCES