

## LAB 12 – PHP

At the end of this lab, students should be able to:

- Write simple PHP codes and execute them on the server.
- Create a database with tables and attributes using phpmyadmin.
- Write PHP codes to perform CRUD (Create, Read, Update and Delete) operations on multiple tables.

### Guides

#### 1. Create the Database, Tables and Attributes.

- Open <http://localhost/phpmyadmin>
- Create a database called **chocolate**.
- Import a database from folder Lab 12 called **chocolate**.
- Now suppose you have 2 tables called **product** and **purchase**. The attributes for each of the tables as shown below.

#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/> 1	<b>product_code</b> 🔑	char(5)	latin1_swedish_ci		No	None
<input type="checkbox"/> 2	<b>product_name</b>	varchar(100)	latin1_swedish_ci		No	None
<input type="checkbox"/> 3	<b>product_size</b>	varchar(10)	latin1_swedish_ci		No	None
<input type="checkbox"/> 4	<b>product_price</b>	decimal(5,2)			No	None
<input type="checkbox"/> 5	<b>product_stock</b>	int(3)			No	None
<input type="checkbox"/> 6	<b>product_isDelete</b>	int(1)			No	0

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>purchase_id</b> 🔑	int(11)			No	None		AUTO_INCREMENT
2	<b>purchase_name</b>	varchar(100)	latin1_swedish_ci		No	None		
3	<b>purchase_quantity</b>	int(3)			No	None		
4	<b>purchase_product_price</b>	decimal(5,2)			No	None		
5	<b>purchase_product_code</b>	char(5)	latin1_swedish_ci		No	None		

#### 2. Create the PHP web pages.

- Go to **C:\** drive. Double click on **XAMPP**. Double click on **htdocs**. In this **htdocs** folder create another folder called **Lab12**.
- All the files for this lab must be saved into this Lab12 folder.
- Run each of your lab questions as shown below:
  - Open any browser.
  - Type at the URL: <http://localhost/Lab12/<filename.php>>. Please DO NOT double click on the php file to execute it.

### 3. Add New Product

- Open the **add\_product.php** file in Notepad++.
- Write the PHP codes to insert a new product record.
- Make sure to check the product code is not duplicated in the table. If the same product code is entered more than once, a JavaScript error message must be displayed.
- After a record is successfully inserted into the table, display a JavaScript alert as shown below.

## Add New Product Detail

Code:

Chocolate Name:

Chocolate Size:

Price:

Stock:

The product code is already in use. Please change.

## Add New Product Detail

Code:

Chocolate Name:

Chocolate Size:

Price:

Stock:

Record saved!

#### 4. View Product List

- Open the **product\_list.php** file in Notepad++.
- Write the PHP codes to display all the records from the product table as shown below.

List of Products					
Product Code	Product Name	Product Quantity	Action		
C101	Love Signature Chocolates Box (15 pieces)	15	<a href="#">Buy Now</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
C102	Almond Chocolate	8	<a href="#">Buy Now</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
C117	Chocolates 4 Bar Holiday Gift Box	20	<a href="#">Buy Now</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
C120	Dark Chocolate	9	<a href="#">Buy Now</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
C121	Chocolate Covered Strawberries	0	<a href="#">Buy Now</a>	<a href="#">Edit</a>	<a href="#">Delete</a>
CD106	Sweet Honey Chocolate	10	<a href="#">Buy Now</a>	<a href="#">Edit</a>	<a href="#">Delete</a>

- If the **Edit** link is clicked, redirect the user to the **edit.php** file and display the chosen product's details as shown below.

Update Product Detail	
Code:	<input type="text" value="C102"/>
Name:	<input type="text" value="Almond Chocolate"/>
Chocolate Size:	<input type="text" value="big"/>
Price:	<input type="text" value="32.00"/>
Stock:	<input type="text" value="8"/>
<input type="button" value="Update Product"/>	

- When the **Update Product** button is clicked, the chosen product will be updated with the new data. The product code cannot be updated.
- Next redirect the user back to the **product\_list.php** page.

- If the **Delete** link is clicked, show a JavaScript confirm pop-up box to the user.
- If the user clicks OK, delete the chosen record. Do not completely delete the record from the table. Set the **product\_isDelete** attribute to 1. This means that the record will still be in the table but will not be displayed to the customer.

## List of Products

Product Code	Product Name	Product Q			
C101	Love Signature Chocolates Box (15 pieces)	15			Delete
C102	Almond Chocolate	7			Delete
C117	Chocolates 4 Bar Holiday Gift Box	20		Buy Now	Edit Delete

The product table(product\_isDelete is set to 1 for Love Signature):

SELECT \* FROM `product`

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	product_code	product_name	product_size	product_price	product_stock	product_isDelete
<input type="checkbox"/> Edit Copy Delete	C101	Love Signature Chocolates Box (15 pieces)	small	45.90	15	1
<input type="checkbox"/> Edit Copy Delete	C102	Almond Chocolate	big	32.00	8	0
<input type="checkbox"/> Edit Copy Delete	C117	Chocolates 4 Bar Holiday Gift Box	big	29.90	20	0
<input type="checkbox"/> Edit Copy Delete	C120	Dark Chocolate	small	54.00	9	0
<input type="checkbox"/> Edit Copy Delete	C121	Chocolate Covered Strawberries	big	29.90	0	0

- If the **Buy Now** link is clicked, redirect the user to the **purchase.php** page. Pass the chosen product code to this page.
- In the **purchase.php** page:
  - Display the product details on the top.
  - At the bottom show a form for the user to enter their name and quantity required.
- Make sure the **quantity** required is lesser than the stock level.
- Insert the new purchase record into the **purchase table**.
- **Update the latest balance** for the product in the **product table**.

## Product Detail

Product Code : C101  
Product Name : Love Signature Chocolates Box (15 pieces)  
Product Price : 45.90  
Product Stock : 25

## Your Order Detail

Customer Name:

Quantity:

## Product Detail

Product Code : C101  
Product Name : Love Signature Chocolates Box (15 pieces)  
Product Price : 45.90  
Product Stock : 25

## Your Order Detail

Customer Name:

Quantity:

Your quantity is more than the stock that we have. Please change.

### 5. View all orders

- Open the **order\_details.php** file in Notepad++.
- Write the PHP codes to display the orders made by customers as shown below.
- Create a button called "View Order" in **add\_product.php**. Connect it with **order\_details.php** file.

## List of Product Orders

Purchase Id	Customer Name	Product	Quantity	Payment (RM)
8	Yap Hui Yen	Love Signature Chocolates Box (15 pieces)	10	459.00
9	Khoh	Chocolate Covered Strawberries	50	1,495.00

### Add New Product Detail

Code:

Chocolate Name:

Chocolate Size: small ▾

Price:

Stock: