

# PROJECT

## Module

Server-side  
Development

## Module Code

IT43005FP

## Duration

20 hours

### Title:

Develop applications with database integrations and perform testing.

### Tools, Equipment and Materials:

- 1 Personal Computer with IDE Software
- 2 XAMPP or WAMP
- 3 MySQL Database

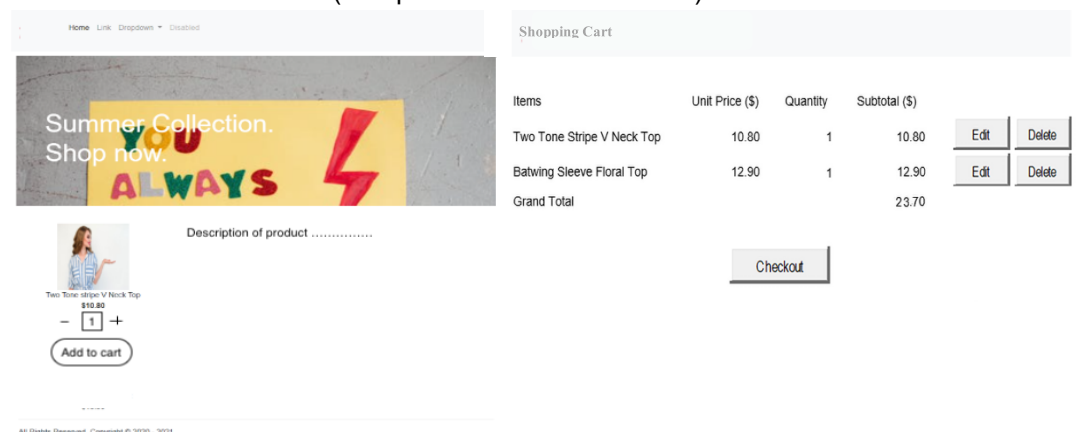
### Instructions:

ABC Boutique, has entrusted you to create the server scripts for their mock-up website to allow users to add items into their shopping cart. The layout of the shopping cart page should be user friendly and mobile friendly. The completed website should comprise a database application running at the backend. The requirements of the shopping cart page are as follows:

### Part (A)

- 1) You are to make use of the mockup created in Front-end Web Development **index.html** as the landing page.
- 2) Create a link to the Shopping Cart on the navigation bar that links to the shopping cart page **cart.html**.
- 3) Upon clicking on any merchandise in **index.html**, the user will be brought to **product.html** with the selection of quantity and the ability to add to cart.
- 4) You are to create a database with two tables. A temporary cart table to store the current shopping cart items, and a final purchase table to store the order details when the user clicks on the Checkout button. The temporary cart table will then be cleared.

(Sample Website for reference)



# PROJECT

---

## Module

Server-side  
Development

## Module Code

IT43005FP

## Duration

20 hours

- 5) For every merchandise in **cart.html**, there should be an Edit button to allow user to modify the quantity.
- 6) Upon clicking on the Edit button, it should change to an Update button to allow saving of the modified quantity.
- 7) For every merchandise in **cart.html** there should be a Delete button to allow user to remove the item from cart.

### Part (B)

#### Testing Section:

After completion of server-side scripting, you are required to perform unit test and integration test. Lastly, proposed a test plan for user acceptance test.

- 1) Propose 4 test cases for unit-test with screen captures and written words, verify that the system has passed the unit tests.
- 2) Propose 4 test cases for integration test in the integration test report, with screen captures and written words, verify that the developed system has passed the integration test.
- 3) Propose a user acceptance test plan with sample data in a user acceptance test proposal.

- END -