CISC3003 Individual Project

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Abstract:

his project aims to develop a full-stack web development website for a shopping cart system. The system will provide a user-friendly interface for both PC users and mobile device users, that is responsive web design. For front-end development, we will use HTML, CSS and JavaScript and some front-end framework, such as BOOSTRAP 4, to facilitate the web design. For backend, PHP is used to manage the webpage. Backend in charge of responding the request from client such as adding an item to cart, deleting an item, checkout and etc. And MySQL is used to save the data that the customer needs. For example, when adding an item to cart, server needs to insert record to cart schema. In conclusion, the website implements the shopping cart system by using both front-end and back-end in order to have an efficient and user-friendly website.

List of Services:

1. Adding items to cart.
2. Deleting an item from cart.
3. Clearing the cart.
4. Manipulating the quantity of items in cart.
5. Checkout.

List of tasks:

1. Insert record to cart schema when adding items to cart;
2. Deleting record or clear record in database when user delete or clear items.
3. Update the record when user manipulating the records.
4. Inserting checkout information into checkout schema when user checkout.

Project Accomplishments:

The project have accomplished the basic functions of a cart system. Such as Showing all products from the database, adding , manipulating the quantity of items and deleting items in cart page (Which will also do the same thing in cart schema). And do the checkout for user, which will record the information of the checkout order in order schema in database.

Project Incomplete:

The website currently is workable in our point of view. But it only work for one single user. The database will not record who added items into cart. So when a user add items to the cart. Everyone can see it. Therefore, the website needs to also implement the login, register function, and add a customer id attribute to cart and checkout schema in database. Then when user access the cart, database will query the data related to the user’s id and display it to user.