

Architecture

- **cart_display.php**

Cart page consists of 2 separate lists: cart items and saved items list and a Cart Summary container.

Cart Items: This consists of the items that have been put into the cart by the user. It is displayed in the form of a table. Options like “update” to update quantity, “remove” to remove the item from the cart, “save for later” to remove the item from the cart but save it in the saved list, such an item can be checked out later by adding to the cart. “Continue Shopping” takes the user back to the website’s home page i.e. ‘index.php’ and “Proceed to Checkout” takes the user to the checkout page (‘def_check.php’) where he can confirm and place his order if he is logged in else it directs the user to the ‘cart_login.php’ page where he can log in to his registered account or sign up, where after he is redirected to the ‘cart_display.php’.

Code Description - Functions used on this page include:

1. function validate_number(qtyStr);
This javascript function checks whether the quantity entered by the user is an integer.
2. function update_qty(qtyStr,item_id,table);
This javascript calls validate_number(qtyStr) and if the result is true then using ajax goes to the file cartajax_update.php and updates the quantity if there is enough stock.
3. function remove_item(item_id,table);
This javascript uses ajax to go to the file cartajax_remove.php and removes the item from the user’s cart.
4. function save_add(item_id,fromtable,totable);
This javascript uses ajax to go to the file cartajax_save.php and removes the item from the user’s fromtable and inserts or updates (if item is already in totable) the user’s totable .

5. function checkout();

On clicking “Proceed to Checkout” the user is directed to ‘def_check.php’ if logged in else directed to ‘cart_login.php’.

6. function continueShop();

On clicking “Continue Shopping” the user is directed to ‘index.php’.

Saved List: It contains items from the user’s saved list. It is displayed in the form of a table. Options like “update” to update quantity, “remove” to remove the item from the cart, “save for later” to remove the item from the saved list but add it to the cart.

Cart Summary: The cart summary includes the number of items in the user’s cart and the grand total amount that he is required to pay if he checks out all of them. It also contains a “Checkout” button that behaves like the “Proceed to checkout” button in the Cart list alongside.

- **checkout.php**

Checkout page consists of 3 containers, one for Delivery Address, 2nd for choosing delivery-type for cart items that are also currently in stock and the 3rd for Cart Summary.

Delivery Address: This is the shipping address for the order to be placed, it by default picks the user’s address from the database. It can be changed by clicking the ‘Choose new Address’ link that opens ‘delivery_address.php’ which allows the user to set a first, last name, contact number and the address. This new address can be made the default address by checking on the corresponding checkbox on the same page. On clicking the ‘Save’ button ‘add.php’ is executed if all details are filled and contact number is a 10 digit number. ‘add.php’ sets the shipping address session variable and redirects the user to the checkout.php page.

Cart Items: This is a list of all the cart items also available in stock, with a requirement for the user to choose a delivery-type.

Cart Summary: This is a list of all the cart items that can be checked out and the grand total to be paid.

On clicking the 'Confirm Order' button if the user has enough credit, the user's credits are deducted to pay for the order, stock quantity is updated and the order is placed after the user confirms the same. Then an invoice is generated with a unique Order id.

- **history.php**

Orders page (history.php) consists of 2 tabs namely: Recent Orders and Past Orders.

Recent Orders: This consists of the orders that had been placed by the user in the past 2 months. It is displayed in the form of a table. The table comprises of the item details for each order (represented by a unique id), quantity bought, amount paid and the order delivery status. Two options: 'Cancel Delivery' and 'Confirm Delivery' appear in the last column subject to specific conditions. Orders that have been placed with instant delivery option or are older than 2 days do not have a 'Cancel Delivery' option unlike those placed with a Normal delivery option and within 2 days from the current date. 'Confirm delivery' appears till 10 days after placing the order thereafter automatically confirmed to acknowledge the delivery of the order placed.

Past Orders: This consists of the orders older than 2 months that had been placed by the user. It is displayed in the form of a table. The table comprises of the item details for each order (represented by a unique id), quantity bought, amount paid and the order delivery date.

Code Description: Functions included are:

1. `function confirm(item_id);`

This javascript function uses ajax and executes `confirmajax.php` by sending the `item_id`. It is called whenever

the user checks the radio button corresponding to an item's 'Confirm Delivery' option.

2. `function cancel_delivery(item_id);`

This javascript function uses ajax and executes `cancelajax.php` by sending the `item_id`. It is called whenever the user checks the radio button corresponding to an item's 'Cancel Delivery' option. 'cancelajax.php' will remove the order from the database and increment the user's credits by the amount he had paid for the cancelled order.