**1. Add Products to Cart**

* **User Action**: The user browses the product listings and clicks the "Add to Cart" button for the desired product(s).
* **Backend Process**:
  + The add\_to\_cart.php script receives the product ID, user ID (if logged in), and the quantity.
  + The script checks if the product is already in the user's cart.
    - If yes, it updates the quantity.
    - If no, it inserts a new record into the cart table with the product details, user ID, and quantity.
  + The user is redirected to the cart.php page to view the cart.

**2. View and Manage Cart**

* **User Action**: The user navigates to the cart.php page to view the items in their cart.
* **Backend Process**:
  + The cart.php page queries the cart table for the current user's cart items.
  + It calculates the subtotal (sum of the product prices times their quantities).
  + A shipping fee (e.g., 7.5%) is added to the subtotal.
  + The user can update quantities or remove items from the cart.
  + If changes are made, the cart is updated in the database.

**3. Proceed to Checkout**

* **User Action**: The user clicks the "Proceed to Checkout" button on the cart.php page.
* **Backend Process**:
  + The user is redirected to the checkout.php page.
  + The checkout.php page retrieves the cart items and calculates the total order amount (subtotal + shipping).
  + The user is prompted to select a payment method (e.g., bank transfer, cash on delivery).
  + If the user selects bank transfer, they must attach proof of payment.

**4. Submit Order**

* **User Action**: The user reviews the order details and submits the order.
* **Backend Process**:
  + The order details are inserted into the orders table, including the user ID, order date, total amount, and payment method.
  + Each cart item is inserted into the order\_items table linked to the order ID.
  + The cart table is cleared for the user.
  + If the payment method is bank transfer, the proof of payment is stored and associated with the order.

**5. Confirm Payment**

* **User Action**: If the user selected bank transfer, they wait for payment confirmation.
* **Backend Process**:
  + The system (or admin) verifies the bank transfer proof.
  + Upon successful verification, the order status is updated to "Payment Confirmed".
  + An email confirmation or order receipt is sent to the user.

**6. Order Processing and Fulfillment**

* **Backend Process**:
  + The order is processed, and the products are prepared for shipping.
  + The inventory is updated by reducing the quantity of the ordered products.
  + The order status is updated to "Shipped" once dispatched.

**7. Delivery and Order Completion**

* **User Action**: The user receives the product(s).
* **Backend Process**:
  + The order status is updated to "Delivered" upon successful delivery.
  + The user is notified of the delivery, and the order is marked as complete.

**8. Post-Order Actions**

* **User Action**: The user can leave feedback or request support.
* **Backend Process**:
  + The system may prompt the user for reviews or ratings of the purchased products.
  + The system archives the order for future reference.

Each of these steps involves interactions between the front-end (user actions) and back-end (PHP scripts, database interactions) to ensure a seamless order processing workflow.