**Testing Ideas:**

*Test ideas with Prioritization based on their potential business impact***1. Checkout Process and Order Submission:**

*Note: I select checkout more priorities then payment method because:*

*The checkout process is the* ***final step*** *in the purchase journey. If there are issues in the checkout flow leading to incomplete the journey, also there are website depend on cash payment only.*

**Why Prioritized:**The **Checkout Process and Order Submission** are high priority because they directly impact **revenue generation**. Any issues here can lead to customers can't complete their orders, leading to lost sales and a bad user experience. Ensuring these steps work smoothly is key to making money and keeping customers happy.

**Ideas:**

* Verify Cart is Correct Before Checkout.
* Verify checkout button is clickable and navigation page.
* Test for form validation (missing fields, invalid zip code or phone number format.)
* Verify error messages handling.
* Verify that the user is provided with an order summary, including the list of items, total cost, and shipping details.
* Verify total price and calculations after taxes
* Verify Shipping Options and update the cost based on location.
* Verify the calculations after applying the Discount code or coupons.
* Verify ability to remove items or cancel the order.
* Verify complete the order after session timeout.
* Verify Login/Account Creation During Checkout.
* Test the system’s behavior upon successful payment (e.g., confirmation page, email receipt).
* Verify order is correctly recorded in the database with correct info.

**2. Payment Gateway Integration:**

**Why Prioritized:**If payments are not processed correctly or if there is an issue with payment gateways (e.g., credit card, PayPal), users will be unable to purchase products, resulting in lost sales. Ensuring secure and functional payment methods is vital.

**Ideas:**

* Test various payment methods (credit card, debit card, PayPal, etc.)
* Verify that the credit card number, expiration date, and security code are correctly validated.
* Verify masking credit card information and encryption.
* Verify user is able to review and confirm payment details before finalizing the purchase.
* Verify OTP received to validate the payment steps.
* Verify Insufficient Funds scenario.
* payment gateway should detect the duplicate transaction and reject it.
* Verify Refund & Chargeback scenario.
* verify the payment status in Database after successfully transaction (completed, pending.etc.).

**3. Product Pages:**

**Why Prioritized:**The clarity of the products and the ease of filtering them is leading to adding the product to the cart.

**Ideas:**

* Verify products clarity (Size, price description, color. etc.).
* Filters and search functionality.
* Verify Product Availability and Stock Status.
* Verify price Updates.

**4. Adding Items to the Cart:**

**Why Prioritized:**This is important to make a shopping experience more smooth and complete the journey successfully.  
 **Ideas:**

* Test adding a single item to the cart.
* Test adding multiple items to the cart from different categories.
* Test adding items to the cart with different quantities.
* Test adding items to the cart with different variants (size, color).
* Try adding from another page (after item details open)
* Verify cart updates correctly after adding/removing items.
* Test adding items that are out of stock.
* Add Same Item Multiple Times.
* Add Item to Cart Without Logging In.
* Add Item to Cart and Navigate.
* Add Item with Invalid Quantity.
* Add Item to Cart After Session Timeout.
* Verify the tables updating correctly in DB.

**5. Viewing the Cart**

**Why Prioritized:**Cart review enhances the customer confidence.

**Ideas:**

* Verify that all added items are visible with correct info.
* Check that the cart updates dynamically when items are removed or quantities are changed
* Possibility of removing the product.
* View Cart and Change Item Options.
* View Cart After Navigating Away.
* View Cart with Removed Items if the cart page reflects the removal and updates the total price.
* View Cart with Items with Different Discount Codes (if applicable).

**6. Search Functionality**

**Why Prioritized:  
search functionality** is important for helping users find products, it is **not directly tied to completing a transaction**

**Ideas:**

* Verify that the search bar is present and accessible on the website
* Verify that when a user enters a valid product name into the search bar, relevant products are displayed.
* Verify that the search returns products that match the exact name.
* handles spaces correctly between multiple words.
* Verify that the search can handle Spelling errors.
* Handling the No Results Found.
* Verify that the search results update correctly when filters.
* Verify that the search results can be sorted by various criteria.
* Verify that the search bar provides autocomplete suggestions.

**7. Login and User Account Management:**

**Why Prioritized:**improve user experience and Faster Checkout.

**Ideas:**

* Verify login validity.
* Login with Remember Me Option.
* Password Functionality.
* Login Session Timeout.
* Create New Account.
* Login after Registration.
* Edit Account Information.
* Change Password
* Delete Account.

**8. Shipping & Delivery Options:**

**Why Prioritized:**improve the customer experience in this shipping and next one

**Ideas:**

* Verify that users can enter a valid shipping address
* Verify that users can select or change the shipping address from their saved addresses
* Verify correct shipping calculation based on the address.
* Ability to specify and save more than one address, such as home or work address
* Verify shipping tracking and status changed.