

Test Cases:

1. Login / Registration

Positive Test Cases:

1. Login with valid email and password
2. Register with new email and valid password
3. Reset password with valid email
4. Remember me checkbox keeps user logged in
5. Logout successfully redirects to homepage

Edge/Negative Test Cases:

1. Login with incorrect password
2. Login with unregistered email
3. Login with empty email or password field
4. Register with an already registered email
5. Register with weak password (e.g., "123")
6. Try login without accepting cookies (if required)

2. Product Search

Positive Test Cases:

1. Search for an existing product (e.g., "Samsung phone")
2. Filter search results by price range
3. Sort search results by popularity or newest
4. View search results with pagination

Edge/Negative Test Cases:

1. Search with gibberish text (e.g., "#@\$^")
2. Search with no results
3. Submit empty search

4. Input very long text in the search field

3. Product Details Page

Positive Test Cases:

1. Open product page from search results
2. View product image gallery
3. Read product specifications and user reviews
4. See price and availability clearly
5. Select color/size variants

Edge/Negative Test Cases:

1. Open product page for a removed/unavailable item
2. Try selecting out-of-stock options
3. Click "Buy" without selecting required variant
4. Product images fail to load

4. Add to Cart

Positive Test Cases:

1. Add one product to cart
2. Add multiple quantities of a product
3. Add multiple different products
4. View cart and see total price and items
5. Remove item from cart

Edge/Negative Test Cases:

1. Add more items than available in stock
2. Try adding an out-of-stock product
3. View cart with no items (empty state)

4. Refresh cart page mid-action

5. Checkout / Payment

Positive Test Cases:

1. Proceed to checkout with valid items
2. Select or add shipping address
3. Choose payment method and complete transaction
4. Receive order confirmation
5. View order in profile's order history

Edge/Negative Test Cases:

1. Checkout with no items in cart
 2. Payment fails (e.g., due to connection error)
 3. Enter invalid credit card information
 4. Try to order without selecting address
 5. Try using expired coupon code
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6. User Profile / Order History

Positive Test Cases:

1. View personal information
2. Edit address or contact details
3. Check order history
4. Cancel pending order
5. Track shipped order

Edge/Negative Test Cases:

1. Try accessing profile without logging in
2. Edit profile with invalid inputs (e.g., wrong phone format)

3. Try cancelling shipped or delivered order
4. Repeatedly click "Cancel" leads to duplicate actions