

Problem Statement: Cart functionality is one of the most important parts in the user journey on an ecommerce website which basically offers features like navigation, product categorisation, preview functionalities, and key features like payment gateway integrations. Thus it is critical to undertake rigorous testing which ensures all the functionalities work together in harmony without affecting the user experience.

Scope of testing:

The scope of the testing is restricted to testing add to cart functionality and covering the following scenarios:

- Verifying addition\deletion of items to cart for signed-in and non-signed in users.
- Verifying the scenario in case where the same user is logged in using multiple devices.
- Verifying payment gateway integration.
- Verify no sensitive information is stored of the user on the website while making the payment.
- Verify performance testing in order to check how the system will work under high load.
- Verify the functionality on the mobile app along with web UI.

Test Cases:

- Verify if the added items to the cart are visible to the user.
- Verify if the user is able to add multiple items to the cart.
- Verify each added item has a quantity, price and delete option with it.
- Verify if the user is able to get similar products when clicked on "See more like this" from the cart page.
- If the user adds the same item to cart the quantity of that item should increase in the cart.
- Verify that the returning user should be able to see the items added earlier in the cart.
- Verify if the user closes the browser and opens a new one, then also the user should be able to see the items already added.
- Verify if the user adds an item to the cart with a mobile device and at the same time if he refreshes the screen on the web UI, then he should be able to see the item added using mobile.
- Verify once payment is done, items should not be then remain in the cart.
- Verify the maximum count of a single product that can be added at one time.
- Verify the total count of products that can be present in the cart at one time.
- Verify that the user should not be able to add more items of a particular product than the total count of that particular product with the seller.
- Verify that instead the payment page for a guest user should first redirect to the login page.
- Verify that the signed in user should be able to do the payment after selecting the address.
- Verify that the user should not be able to add items to the cart if the order is not deliverable to a particular pincode.

- Verify that the product title on the cart screen should be the same as that from which the user added items to cart.
- Verify that the user should be able to add a promo code and that much amount should be reduced from the total bill.
- Verify if a particular product has a promo code then the discount should be applied to that product only.
- Verify that if 2 users have added the same product from a seller that has only 1 product then both the users should be able to add that product in the cart and when 1 of the users does the payment then it should be seen as an item out of stock from the second user.
- Verify the max amount in terms of money that a user can add into the cart.
- Verify the least amount in terms of money that a user can add into the cart.
- Verify if the user is able to increase\decrease quantity from the cart.
- Test Performance of the feature using load testing.

Resource & Environment Needs:

Testing Tool:

1. UI Automation.
2. API Automation.

Bug Tracking Tool:

1. Jira.

Test Environment:

Requirements that will be used to test the Application:

1. Android phone.
2. Ios device.
3. Code Build ready from each teams.
4. Since it is a big feature, no deployment of other team on the testing server.