

Assignment 10

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Batch:- CSE

Subject:- Software testing for business
management

Write the test case for Flipkart portal and

A) Test case for Flipkart Portal

i) Functional Test Cases:-

a) User Registration:-

→ Verify that a new user can successfully register with valid information.

→ Test registration with duplicate email or username to ensure unique identification.

→ Check if all mandatory fields are marked as required during registration.

→ Verify that password strength requirements are enforced during registration.

b) Product Search:

→ Perform a search for a specific product and verify relevant search results are displayed.

→ Test searching for non-existent products and verify proper error messaging.

→ Validate filters and sorting options to ensure they work as expected.

c) Cart Management:

→ Add a product to the cart and verify that the cart shows the correct quantity and total.

→ Test removing items from the cart and ensure the cart updates accordingly.

→ Verify the functionality of updating the quantity of items in the cart.

d) Checkout Process:

- Test the checkout process by adding products, providing shipping information, and proceeding to payment.
- Verify that the user receives proper order summary details before making the final payment.
- Test different payment methods and ensure they are processed correctly.

e) Order History:

- Place an order and verify that it appears in the user's order history.
- Check if the order history displays accurate details like order date, products, and total amount.

2) Non-Functional Test Cases:-

a) Performance:-

- Test the portal's response time during peak traffic hours to ensure it meets acceptable performance standards.
- Validate how the portal handles a large number of simultaneous users accessing different sections.

b) Usability:-

- Verify that the portal's user interface is intuitive and easy to navigate.
- Test the accessibility of the portal for users with disabilities, ensuring it meets accessibility guidelines.

c) Security:-

→ Check if user sessions expire after a certain period of inactivity to prevent unauthorized access.

→ Verify that user passwords are stored securely and not visible in plain text.

d) Scalability:-

→ Test the portal's ability to handle an increased load by simulating a sudden surge in user traffic.

→ Check if the portal's performance degrades gracefully as the load increases.

e) Compatibility:

→ Verify that the portal works seamlessly across different web browsers.

→ Test the portal's compatibility with various devices, including mobile phones and tablets.

f) Reliability:-

~~→ Test the portal's compatibility with various devices~~

→ Test the portal's resilience to unexpected errors or server downtime scenarios.

→ Verify that data integrity is maintained even in the event of server failures.