Quality Engineer

Task 1

Assume you are a quality engineer in a team building an e-commerce platform

Link to the platform - https://magento.softwaretestingboard.com/

1. Identify 5 critical scenarios. Detail why these scenarios are critical from the

application/user perspective.

1. Login / registration

2. Adding to cart

3. Checkout / Payment / Discount

4. Search feature

5. Wishlist

These scenarios are critical because they are inevitable functionalities of every online store that enables a great user experience and smooth shopping.

2. Write detailed test cases/acceptance criteria for the identified scenarios.

**Example of detailed test case:**

**1. Login / Forgot your password**

The objective of this test case is to validate that:

- All input fields are mandatory

- Error displays when invalid email/password are entered

- User can perform password reset

- User is able login with valid username and valid password

**Precondition:** User has access to https://magento.softwaretestingboard.com/

**Step 1:** Open https://magento.softwaretestingboard.com/

**Expected result:** Webpage opened successfully.

**Step 2:** Click on "Sign In" at the top of the page

**Expected result:** Customer Login is displayed.

**Step 3:** Leave the form blank and click on "Sign In"

**Expected result:** Error message displays with the text below fields “This is a required field”.

**Step 4:** Enter "abc@" in the "Email" field and random password and click on "Sign In"

**Expected result:** Error displays with the text “Please enter a valid email address (Ex: johndoe@domain.com).”

**Step 5:** Enter "abc@gmail.com" in the "Email" field and random password and click on "Sign In"

**Expected result:** Pop up error displays with the text “The account sign-in was incorrect or your account is disabled temporarily. Please wait and try again later.”.

**Step 6:** Click on "Forgot Your Password?" button

**Expected result:** "Forgot Your Password" page with email form displays

**Step 7:** Leave the form empty and tap on "Reset My password"

**Expected result:** Error message displays with the text below field “This is a required field”.

**Step 8:** Enter "abc@" in the "Email" field and click on "Reset My password"

**Expected result:** Error displays with the text “Please enter a valid email address (Ex: johndoe@domain.com).”

**Step 9:** Enter valid email address and click on "Reset my Password"

**Expected result:** "Customer Login" page displays with pop up message "If there is an account associated with (email provided) you will receive an email with a link to reset your password."

**Step 10:** Enter valid email and password of existing account and click on "Sign In"

Expected result: User signed in successfully.

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| **List of potential test cases that can be executed for the critical scenarios** | |
| ***Feature*** | ***Test Case*** |
| **Login** | 1. Verify that "Email" field is mandatory (leave it blank and submit - "This is a required field" error should display). 2. Enter invalid email address - "Please enter a valid email address" error should display. 3. Test that "Password" field is mandatory. leave it blank and submit - "This is a required field" error should display). 4. Enter random and password and submit - "The account sign-in was incorrect or your account is disabled temporarily. Please wait and try again later" error should display. 5. "Forgot your password" button works as expected. 6. Test that "Email" field in password reset is mandatory. leave it blank and submit - "This is a required field" error should display). 7. "Reset my password" button works as expected and after submitting email arrives successfully. |
| **Registration** | 1. Verify that "First Name" field is mandatory. 2. "Last Name" field is mandatory. 3. "Email” field is mandatory. 4. Enter invalid email address - "Please enter a valid email address" error should display. 5. "Password" field is mandatory. 6. Test password strength - enter few letters (Minimum length error should display). 7. Enter at least 8 letters (Minimum of different classes of characters should display). 8. Enter 8 letters and 2 numbers (Minimum of different classes of characters should display). 9. "Confirm password" field is mandatory. 10. Enter different password in the "Confirm password" field - "Please enter the same value again" error should display. |
| **Add to Cart** | 1. Verify that wanted item cannot be added to the Cart if user did not select Size and Color of the product (This is a required field errors should display). 2. Item can be added to the Cart if Size and Color is selected. 3. After item is added to Cart, the "You added X to your shopping cart" message appears. 4. When user selects more than one Qty of the same item, the corresponding value is added to the Cart. 5. When user selects multiple different items, the corresponding value is added to the Cart 6. When Item is not available - "The requested qty is not available" error displays. 7. When Cart is edited, the Summary updates it's prices |
| **Checkout/ Discount** | 1. "Proceed to checkout" button works as expected. 2. All "Shipping address" fields except "Company" are mandatory (This is a required field errors should display when left blank). 3. "Shipping methods" are adjusted based on selected location. 4. "Order summary" consists of all selected items. 5. When "My billing and shipping address are the same" is unchecked - the form with fields displays. 6. When invalid code in "Apply Discount Code" is entered error is displayed. 7. Once Order is placed, "Thank you for your purchase" message with the order number and the option to create an account is displayed. |
| **Product search** | 1. Verify that the search feature is displayed on the page. 2. When valid product name is entered, relevant items are displayed. 3. When invalid product name is entered, the "Your search returned no results" error displays. 4. When first word of valid item is entered, the suggestions of items are displayed |
| **Wishlist** | 1. Items can be added to Wishlist only when customer has an account (provides error if he's not logged in). 2. Wishlist can be updated 3. Wishlist can be shared to multiple email addresses 4. All items in Wishlist can be added to the cart. (Verify that they are added correctly). |