A. Write a set of test cases to perform black box, end-to-end testing for Amazon search text box.

Black Box Test Cases

1. Title: Verify That the Search Result related to entered search data

Precondition: The Amazon website is accessible.

Steps:
Navigate to the Amazon website.
Click on the search text box.
Enter a valid search data.
Click on the search button.

Expected: Search results related to the entered Data should be displayed.

2. Title: Verify That User Can Clear the Data in the Search text Box

Precondition: The Amazon website is accessible.

Steps:
Navigate to the Amazon website.
Click on the search text box.
Enter a valid search data.
Click on the clear button associated with the search box.

Expected: The search box should be cleared, and no search results should be displayed.

3. Title: Verify That There's a validation Appear in case the User Try to Search with Empty Field

Precondition: The Amazon website is accessible.

Steps:
Navigate to the Amazon website.
Click on the search text box.
Leave the search box empty.
Click on the search button.

Expected: A message indicating that a search text is required should be displayed.

4. Title: Verify that there's a validation Message Appear in Case Non-existent Search data

Precondition: The Amazon website is accessible.

Steps:
Navigate to the Amazon website.
Click on the search text box.
Enter a search data that does not exist.
Click on the search button.

Expected: A message indicating that no results were found for the entered term should be displayed.

5. Title: Verify that in case Type any character it should display ten suggestions in the list format.

Precondition: The Amazon website is accessible.

Steps:
Navigate to the Amazon website.
Click on the search text box.
Type any character.

Expected: it should display ten suggestions in the list format.

6. Title: Verify That User Can Paste the Copied text in the search box

Precondition: The Amazon website is accessible.

Steps:
Navigate to the Amazon website.
Click on the search text box.
Click Paste on the Search Box

Expected: User Can Paste the Copied text in the search box

End-to-End Test Cases

1. Title: Verify that you can see the same search result page for a product with a different user account

Precondition: The Amazon website is accessible.

Steps:
Open a web browser.
Navigate to the Amazon website.
Login with User (A) With Valid Credential
Click on the search text box.
Entered Product Named IPhone.
Click on the search button.
Verify the search results page.
Log out
Login Again With User (B) With Valid Credential
Click on the search text box.
Entered Product Named IPhone.
Click on the search button.
Verify the search results page.

Expected: you can see the same search result page for a product with a different accounts

2. Title: Verify that User can Search a product in multiple tabs with a user who should be able to see the same search result page account.

Precondition: The Amazon website is accessible.

Steps:
Open a web browser.

Navigate to the Amazon website.

Login with User (A) With Valid Credential

Click on the search text box.

Entered Product Named IPhone.

Click on the search button.

Verify the search results page.

Duplicate the Tabs

Search for Same Product

Expected: a user who should be able to see the same search result on other Tabs.

3. Title: Verify That There's Message appear to tell User That Internet Connection Is Lost.

Precondition: The Amazon website is accessible

Steps:

Open a web browser.

Navigate to the Amazon website.

Click on the search text box.

Enter a valid search Data.

The Internet Connection Is Lost

Click on the search button.

Expected: Validation Message appear to tell User to Check His Internet Connection

4. Title: Verify That There's Message to Tell User that Search with Invalid Category

Precondition: The Amazon website is accessible.

Steps:

Open a web browser.

Navigate to the Amazon website.

Select a specific category from the dropdown menu.

Enter a valid search Data.

Click on the search button.

Expected: A message indicating that the selected category is not applicable to the entered search term should be displayed.

5. Title: Verify That the System Relevant search suggestions should be displayed in a dropdown menu.

Precondition: The Amazon website is accessible.

Steps:

Open a web browser.

Navigate to the Amazon website.

Click on the search text box.

Enter a partial search term.

Expected: Relevant search suggestions should be displayed in a dropdown menu.