

Assignment

1. Find the defects/bugs in the following image as a tester.

- The defects or bugs in the image in GUI test are as:-
- The close button in the title bar symbol is “<” in place of “x”.
- In the tab bar name of the tabs are not in similar styling properties like one is in capital and another is in small.
- The “untitled)” tab consist off the “)” which should be removed.
- As a google search engine the button “I’m feeling unlucky” is not necessary.
- In the bottom status bar “Done” word is placed twice, ass per search window one is sufficient.
- The search button “Google Search” can be replaced with “Google search”.
- In the vertical bar there is two down arrow marks.
- The search box should be in the middle of the page and textbox should be fully covered with borders in all sides.

Link bar defects are as follows:

- The text “web” is placed in the group of all links.
- The links are not eye catchy so that can include some CSS or bootstrap properties.
- The alignment of “News” link is not correct.
- Check spelling of the link text “Hopping”.
- Between iGoogle and Search settings there is “||” can be removed one or else if want a separate section use div tag or some others to specify.
- Search setting may include the “Advanced search and Language tools”. It’s is a usability issue.

2. Write test cases for the following scenario.

You are at Amazon’s checkout page. You have bought five items(x, y, z, a and b). You make payment and place order.

Test case ID	Descr iption	Pre-requisi te	Steps	Data	Expected results	Actual results	stat us
TC00_ FT_01	Login in into amaz on applic ation	Should have an account in amazon .	1. Browse to https://www.amazon.in/ by google search. 2. After landing on amazon click on sign in link of amazon’s home page. 3. Enter the registered phone number or email-id in the specified field. 4. Click on continue. 5. Then enter the amazon’s registered password.	Registe red Phone number or email-id and passwo rd	Login into amazon web applicatio n	Logged in to amazon	PAS S

			6. Click on login button.				
TC00_FT_02	Search for the products	Should be in the amazon website	1. Click on search box in amazon's search box. 2. Add text "watches for ladies" in the search box. 3. Click on the search button. 4. List of items related to the search will be displayed	Search the specified product category	Display the list of ladies watches	Displayed list of ladies watches	PASS
TC00_FT_03	Select and add 5 items to cart	Browser should display the list of available options of the specified category.	1. Click on the item in the displayed product list. 2. Add item to the cart by clicking on add to cart. 3. Repeat above 2 steps for adding another 4 products to cart.	As per user requirement he/she can add desired products to cart.	Added items should be in cart.	Added items are displayed in cart.	PASS
TC00_FT_04	Make payment for 5 items	Items should be in cart of amazon	1. Go to amazon cart. 2. Check if 5 items are in cart or not. 3. Click on "Proceed to buy" button. 4. Then the address will be displayed, click on "Deliver to this address" button. 5. Add the type of payment method 4. Make the payment through "credit and debit card" by entering necessary credentials. 6. Payment done will be displayed after paying amount.	Account details of the credit or debit card	Payment successful message should popup after successful payment.	Payment successful message is displayed.	PASS
TC00_FT_05	Placing the order of the items	Amount should be paid of the	1. After the payment is done click on continue. 2. All the orders details will be displayed with		5 Orders must be placed successfully in the	5 Orders are placed in the	PASS

	for which the amount is paid.	selected items.	"Place your order button". 3. Click on the button.		amazon website.	amazon .	
TC00_FT_06	Go to the logout page.	Should be in the amazon website .	1. Click on the login button. 2. Popup will open traverse to the popup page. 3. Click on the logout.		Logging out from amazon website.	Logged out from amazon website .	PAS S

3. Automate the above test cases using Java-Selenium.

Here I have used

- Eclipse IDE for Java Developers - 2022-03
- Google Chrome version 105.0.5195.127 (Official Build) (32-bit)

Java-Selenium code:

package intro;

import java.time.Duration;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

public class Amazon_testing {

 public static void main(String[] args) throws Exception {
 System.setProperty("webdriver.chrome.driver", "D:/software
files/chromedriver.exe");

 WebDriver driver = new ChromeDriver();
 driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));
 driver.get("http://google.com");
 driver.navigate().to("https://www.amazon.in/");
 driver.manage().window().maximize();

 // login into amazon

 driver.findElement(By.xpath("//a[@id='nav-link-accountList']")).click();
 driver.findElement(By.id("ap_email")).click();
 driver.findElement(By.id("ap_email")).sendKeys("user_id");
 driver.findElement(By.xpath("//input[@id='continue']")).click();
 driver.findElement(By.xpath("//input[@id='ap_password']")).click();

 driver.findElement(By.xpath("//input[@id='ap_password']")).sendKeys("password");
 driver.findElement(By.xpath("//input[@id='signInSubmit']")).click();

 // search for items

```

driver.findElement(By.id("twotabsearchtextbox")).click();
driver.findElement(By.id("twotabsearchtextbox")).sendKeys("Watches for
ladies");

driver.navigate().to(
    "https://www.amazon.in/Noise-ColorFit-Display-Monitoring-
Smartwatches/dp/B09PNKXSKF/ref=sr_1_7?keywords=Watches&qid=1664092858&qu=ey
Jxc2MiOiI5LjQ2IiwicXNhIjoiOS45OCIsInFzcCI6IjcuODYifQ%3D%3D&sr=8-7");

// add to cart
driver.findElement(By.xpath("//input[@id='add-to-cart-button']")).click();
driver.navigate().back();
driver.navigate().to(
    "https://www.amazon.in/French-Connnection-Analog-
Womens-Watch-FC20-63C-
R/dp/B09BL7GNFD/ref=sr_1_16?crid=2V0SHUTIP4M97&keywords=watches+for+women
&qid=1664101005&qu=eyJxc2MiOiI5LjgxIiwicXNhIjoiMTAuMjYiLCJxc3AiOiI4LjAzIn
%3D&sprefix=watches+for+%2Caps%2C793&sr=8-16");
driver.findElement(By.xpath("//input[@id='add-to-cart-button']")).click();
driver.navigate().back();
driver.navigate().to(
    "https://www.amazon.in/ADAMO-Analog-Rose-Womens-
Watch-
839KKM21/dp/B07QXKK81H/ref=sr_1_14?crid=2V0SHUTIP4M97&keywords=watches+f
or+women&qid=1664101005&qu=eyJxc2MiOiI5LjgxIiwicXNhIjoiMTAuMjYiLCJxc3AiOi
I4LjAzIn0%3D&sprefix=watches+for+%2Caps%2C793&sr=8-14");
driver.findElement(By.xpath("//input[@id='add-to-cart-button']")).click();
driver.navigate().back();

driver.navigate().to(
    "https://www.amazon.in/ADAMO-Analog-Rose-Womens-
Watch-
839KKM21/dp/B07QXKK81H/ref=sr_1_14?crid=2V0SHUTIP4M97&keywords=watches+f
or+women&qid=1664101005&qu=eyJxc2MiOiI5LjgxIiwicXNhIjoiMTAuMjYiLCJxc3AiOi
I4LjAzIn0%3D&sprefix=watches+for+%2Caps%2C793&sr=8-14");
driver.findElement(By.xpath("//input[@id='add-to-cart-button']")).click();
driver.navigate().back();

driver.navigate().to(
    "https://www.amazon.in/Timex-Analog-Gold-Womens-Watch-
TW000Q810/dp/B014HDPQ8G/ref=sr_1_27?crid=2V0SHUTIP4M97&keywords=watches+
for+women&qid=1664101005&qu=eyJxc2MiOiI5LjgxIiwicXNhIjoiMTAuMjYiLCJxc3AiO
iI4LjAzIn0%3D&sprefix=watches+for+%2Caps%2C793&sr=8-27");
driver.findElement(By.xpath("//input[@id='add-to-cart-button']")).click();
driver.navigate().back();

// going to cart
driver.findElement(By.xpath("//span[@id='nav-cart-count']")).click();
// check if there are 5 elements in cart

```

```

        String i =
driver.findElement(By.xpath("//input[ @name='partialCheckoutCart']")).getAttribute("value")
;

        // make payment
        driver.findElement(By.xpath("//input[ @data-feature-id='proceed-to-checkout-
action']")).click();
        driver.findElement(By.xpath("//input[ @data-
testid='Address_selectShipToThisAddress']")).click();
        driver.findElement(By.xpath("//input[ @id='pp-FEI4J4-92']")).click();
        driver.findElement(By.xpath("//input[ @id='pp-FEI4J4-
92']")).sendKeys("bcdsjfhsd");
        driver.findElement(By.xpath("//input[ @name='ppw-
claimCodeApplyPressed']")).click();
        driver.findElement(By.id("pp-FEI4J4-106")).sendKeys("120");
        driver.findElement(By.id("pp-FEI4J4-119")).click();
        driver.findElement(By.id("pp-FEI4J4-122")).click();

        // add a credit or debit card and payment
        Thread.sleep(1000);
        driver.findElement(By.id("pp-5O4skB-15")).click();
        driver.findElement(By.id("pp-5O4skB-
15")).sendKeys("12234567890456789");
        driver.findElement(By.xpath("//input[ @name='ppw-
widgetEvent:AddCreditCardEvent']")).click();
        driver.findElement(By.xpath("//input[ @data-pmts-component-id='pp-FEI4J4-
5']")).click();

        // place the order
        driver.findElement(By.id("submitOrderButtonId-announce")).click();
        // go to logout page
        driver.findElement(By.id("nav-link-accountList-nav-line-1"));
        driver.findElement(By.id("nav-item-signout"));
    }
}

```

4. Can you tell us how user experience can be improved for the following sign-in page?

Some of the steps can be followed to improve user experience is as follows:

- By placing the images, colors or textures in the background for eye catchy.
- In place of “What is your e-mail address” can be replaced with “Enter your Email”
- The text “My e-mail address” is not necessary as the user may not have so much time in reading every line.
- If user click on “No, I am a new customer” then a new “register” dialogue box should be popup.