

Automating the Amazon application using Selenium Web-driver

Git-Hub Repository link: <https://github.com/Utkarsh9991/Testing.git>

Package: amazonfunctionality

This Java class, named `Amzn_Fun_check`, is designed to perform a series of actions on the Amazon website to test various functionalities. The script utilizes Selenium, a popular automation testing tool, to interact with the web elements.

Steps:

1. Initialize WebDriver:

The script begins by initializing a `ChromeDriver` and maximizing the browser window.

```
WebDriver driver = new ChromeDriver();  
driver.manage().window().maximize();
```

2. Navigate to Amazon Homepage:

The script opens the Amazon website.

```
driver.get("https://www.amazon.in/");  
System.out.println("Navigate to the Amazon homepage Successful");
```

3. Login:

Clicks on the account link, enters a phone number, and proceeds to the password entry.

```
WebElement e1 = driver.findElement(By.xpath("//a[@id='nav-link-accountList']"));e1.click();  
driver.findElement(By.xpath("//input[@id='ap_email']")).sendKeys("---phonenum---");  
driver.findElement(By.xpath("//input[@id='continue']")).click();  
driver.findElement(By.xpath("//input[@id='ap_password']")).sendKeys("----pass---");  
driver.findElement(By.xpath("//input[@id='signInSubmit']")).click();
```

4. Select Category:

Chooses a category from the dropdown.

```
WebElement e2 = driver.findElement(By.xpath("//select[@id='searchDropdownBox']"));  
e2.click();  
Select obj = new Select(e2);  
obj.selectByIndex(14);  
System.out.println("Valid category selected");
```

5. Enters a product name in the search box and clicks the search button.

```
driver.findElement(By.xpath("//input[@id='twotabsearchtextbox']")).sendKeys("I phone 13");  
driver.findElement(By.xpath("//input[@id='nav-search-submit-button']")).click();  
System.out.println("Search button clicked");
```

6. Select a Product:

Clicks on the first product in the search results.

```
WebElement e3 = driver.findElement(By.xpath("//a[@class='a-link-normal s-underline-text s-underline-link-text s-link-style a-text-normal'][1]"));  
e3.click();  
System.out.println("Product Selected");
```

7. Switch to New Tab:

Switches to the newly opened tab for further actions.

```
for (String handle : driver.getWindowHandles())  
{  
    driver.switchTo().window(handle);  
}
```

8. Clicks the "Add to Wishlist" button.

```
driver.findElement(By.xpath("//div[@id='add-to-wishlist-button-group']")).click();  
System.out.println("Added to Wishlist");
```

Close the WebDriver:

Closes the browser window after completing the actions.

```
driver.quit();
```

This script can be used as a basic test to ensure that key functionalities on the Amazon website are working as expected.