Automation Code

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterMethod;

import org.testng.annotations.BeforeMethod;

import org.testng.annotations.Test;

public class AmazonAutomationTest {

private WebDriver driver;

@BeforeMethod

public void setUp() {

// Set up ChromeDriver

System.setProperty("webdriver.chrome.driver", "path/to/chromedriver.exe");

driver = new ChromeDriver();

driver.manage().window().maximize();

}

@Test(priority = 1)

public void loginToAmazon() {

// Replace 'your\_email' and 'your\_password' with your Amazon login credentials

String email = "your\_email";

String password = "your\_password";

driver.get("https://www.amazon.in/");

// Click on the Sign In button

WebElement signInButton = driver.findElement(By.id("nav-link-accountList"));

signInButton.click();

// Enter email and click Continue

WebElement emailInput = driver.findElement(By.id("ap\_email"));

emailInput.sendKeys(email);

driver.findElement(By.id("continue")).click();

// Enter password and click Sign In

WebElement passwordInput = driver.findElement(By.id("ap\_password"));

passwordInput.sendKeys(password);

driver.findElement(By.id("signInSubmit")).click();

}

@Test(priority = 2)

public void searchItem() {

// Replace 'item\_to\_search' with the item you want to search for

String itemToSearch = "item\_to\_search";

// Enter the search query and submit

WebElement searchInput = driver.findElement(By.id("twotabsearchtextbox"));

searchInput.sendKeys(itemToSearch);

searchInput.submit();

}

@Test(priority = 3)

public void printProductsOnFirstPage() {

// Assuming that the products on the first page have a common CSS class 's-result-item'

java.util.List<WebElement> productsList = driver.findElements(By.cssSelector(".s-result-item"));

// Print the names of all the products on the first page

for (WebElement product : productsList) {

System.out.println(product.getText());

}

}

@Test(priority = 4)

public void addProduct() {

// Add the necessary steps to add a product to the cart or perform any action

// on the product page.

}

@Test(priority = 5)

public void updateProduct() {

// Add the necessary steps to update a product in the cart or perform any action

// on the cart page.

}

@Test(priority = 6)

public void deleteProduct() {

// Add the necessary steps to delete a product from the cart or perform any action

// on the cart page.

}

@Test(priority = 7)

public void logoutFromAmazon() {

// Assuming there is a "Sign Out" link available in the Amazon page to logout.

WebElement signOutLink = driver.findElement(By.id("nav-item-signout"));

signOutLink.click();

}

@AfterMethod

public void tearDown() {

// Close the browser after each test method

driver.quit();

}

}