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GROUP 4

Project-2: Amazon Automation Script using TestNG

Overview:

Amazon.com, Inc. is an American multinational technology company focusing on e-commerce, cloud computing, online advertising, digital streaming, and artificial intelligence. Automated several features like login, logout, change language, change country and religion.

Automation Script:

Eclipse IDE code

```java
package demo2;

import org.openqa.selenium.By;

Run ALL
public class Amozon_project2 {


    public WebDriver driver;

    @BeforeTest
    public void setup() throws InterruptedException {
        driver = new ChromeDriver();
        // Maximize the window
        driver.manage().window().maximize();
        // Launching the URL
        driver.get("https://www.amazon.in/-/hi/ap/signin?openid.pape.max_auth_age=3600&openid.return_"
            + "to=https%3A%2F%2Fwww.amazon.in%2Fspr%2Freturns%2Fgift&openid.identity=http%3A%2F%2Fspecs"
            + ".openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.assoc_handle=amzn_psr_desktop_in&openid."
            + "mode=checkid_setup&language=en_IN&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_"
            + "select&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0");
        Thread.sleep(2000);

    }
```

```java
    @Test (priority=1)
    Run | Debug
    public void signin() throws InterruptedException {

        driver.findElement(By.xpath("//input[@type='email']")).sendKeys("9353239300");
        Thread.sleep(2000);
        driver.findElement(By.xpath("//input[@id='continue']")).click();
        Thread.sleep(2000);
        driver.findElement(By.xpath("//input[@type='password']")).sendKeys("Demo@123");
        Thread.sleep(2000);
        driver.findElement(By.xpath("//input[@id='signInSubmit']")).click();
        Thread.sleep(2000);
    }

    @Test (priority=2)
    Run | Debug
    public void language() throws InterruptedException {

        WebElement En= driver.findElement(By.xpath("//span[@class='icp-nav-link-inner']"));
        Actions act=new Actions (driver);
        act.moveToElement(En).build().perform();
        Thread.sleep(5000);
    }
```

```
50
51    @Test (priority=3)
      Run | Debug
52    public void learnmore() throws InterruptedException {

53        driver.findElement(By.xpath("(//div[@class='icp-helplink'])[1]")).click();
54        Thread.sleep(3000);
55    }

56
57    @Test (priority=4)
      Run | Debug
58    public void country() throws InterruptedException {

59        WebElement En= driver.findElement(By.xpath("//span[@class='icp-nav-link-inner']"));
60        Actions act=new Actions (driver);
61        act.moveToElement(En).build().perform();
62        Thread.sleep(5000);
63        driver.findElement(By.xpath("(//div[@class='icp-mkt-change-lnk'])[1]")).click();
64        Thread.sleep(2000);
65        driver.findElement(By.xpath("//span[@class='a-button-text a-declarative']")).click();
66        Thread.sleep(2000);
67        driver.findElement(By.xpath("//a[@class='a-dropdown-link a-active']")).click();
68        Thread.sleep(2000);
69    }

70
71    @Test (priority=5)
      Run | Debug
72    public void EN() throws InterruptedException {

73        driver.findElement(By.xpath("//span[@class='icp-nav-link-inner']")).click();
74        Thread.sleep(2000);
75    }
```

```
76
77    @Test (priority=6)
      Run | Debug
78    public void logout() throws InterruptedException {

79        WebElement El= driver.findElement(By.xpath("//a[@class='nav-a nav-a-2 nav-truncate   nav-progressive-attribute']"));
80        Actions act=new Actions (driver);
81        act.moveToElement(El).build().perform();
82        Thread.sleep(3000);
83        driver.findElement(By.xpath("(//span[@class='nav-text'])[22]")).click();
84        Thread.sleep(3000);
85    }

86
87    @AfterTest
88     public void tearDown() {
89        if (driver != null) {
90            driver.quit();
91        }

92
93    }
94 }
95
```

Class Name: Amozon_project2

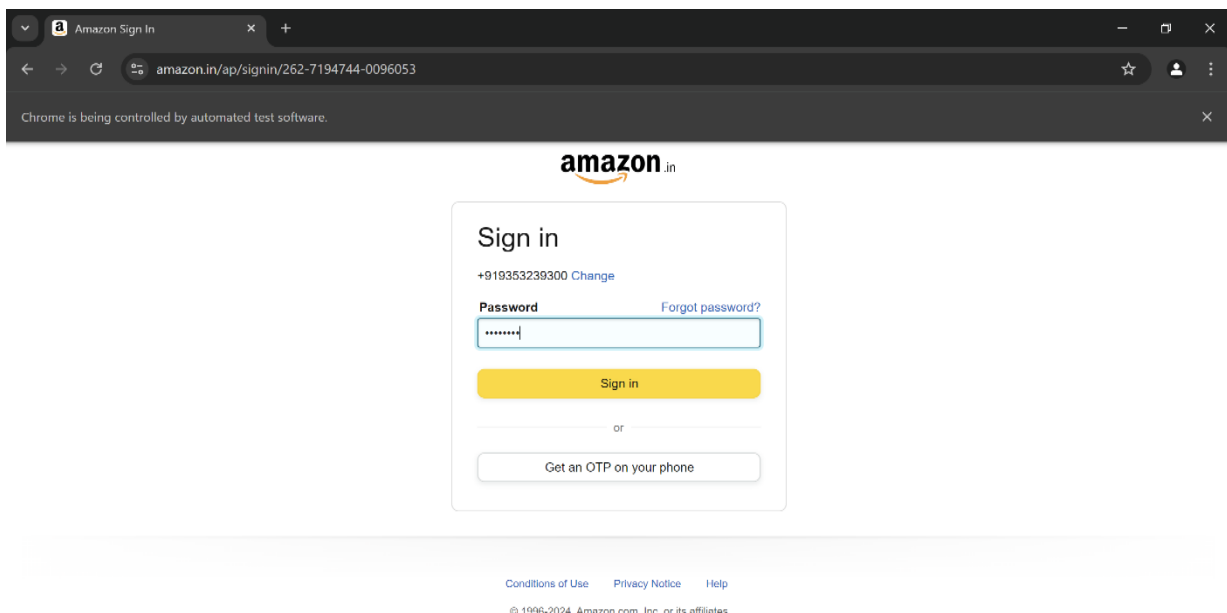**Purpose**: Automate actions In the Amazon web application.

WebDriver: Uses Chrome Driver as the browser driver
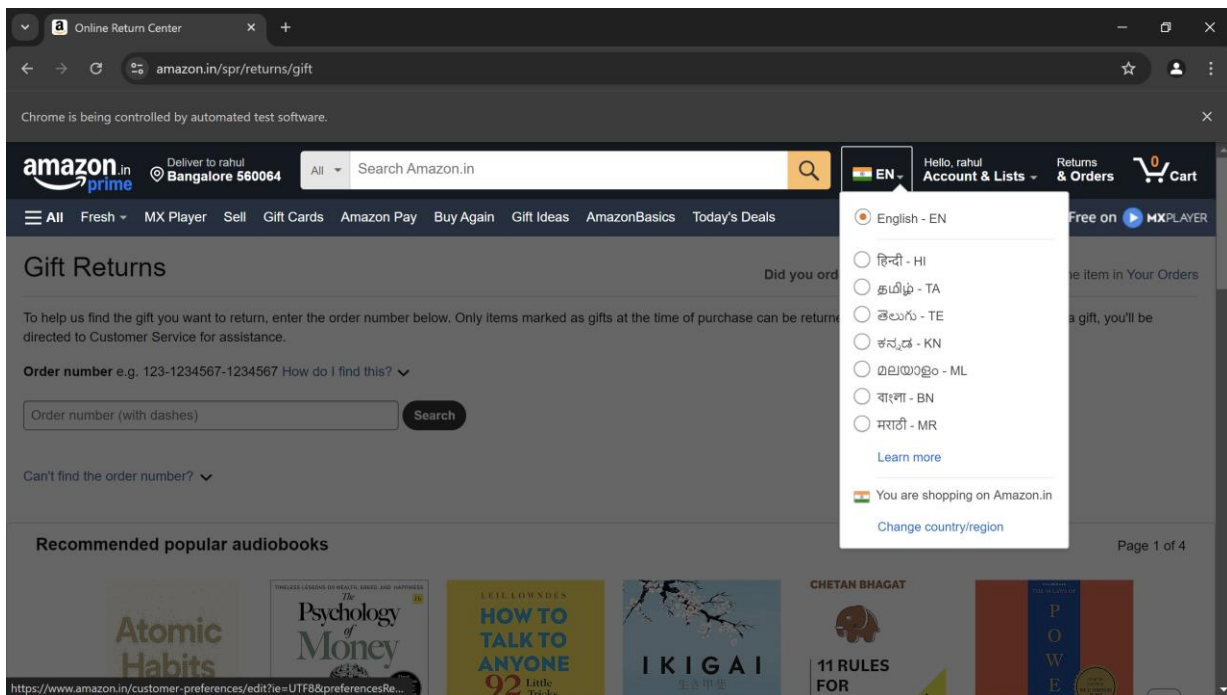
Methods in Amozon_project2 class

a) **setup():**
Code for launch application

b) **signin()**
code for sigin

c) **language()**
code for Mouse hover on EN

d) **learnmore()**
code for navigate to other page help and customer service

e) **country()**
code for navigate to website to select country from a dropdown.

f) **EN()**
Code for navigate to language setting page.
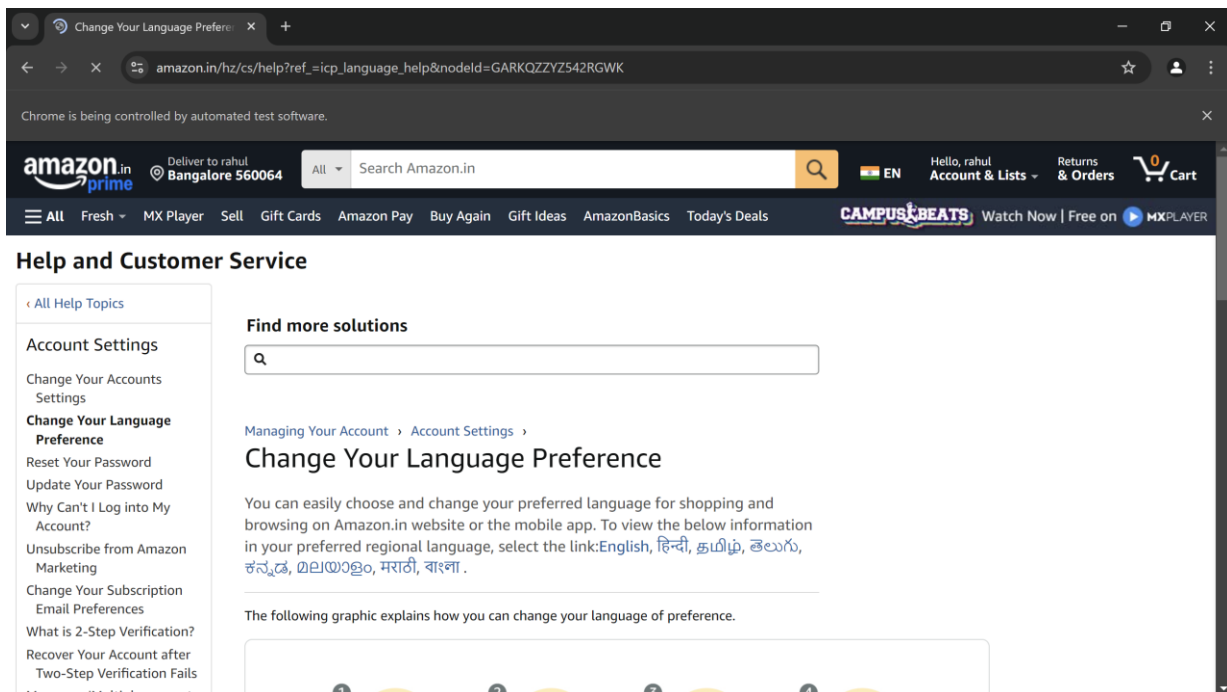
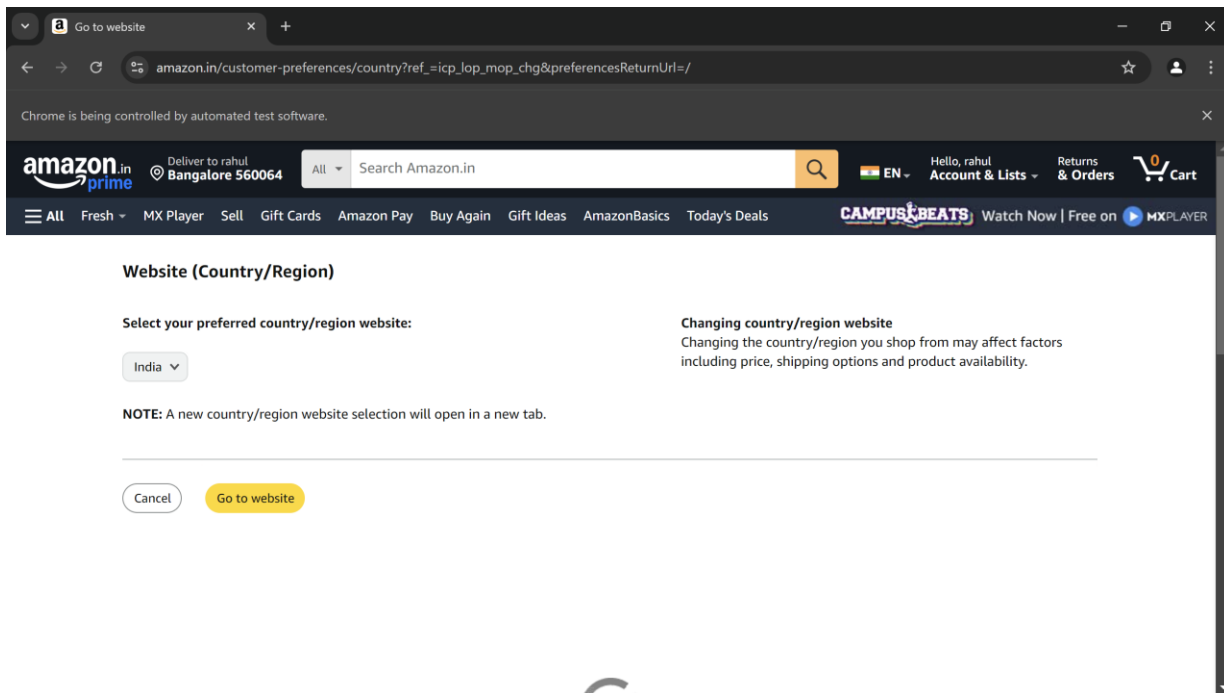g) **logout()**
code for logout

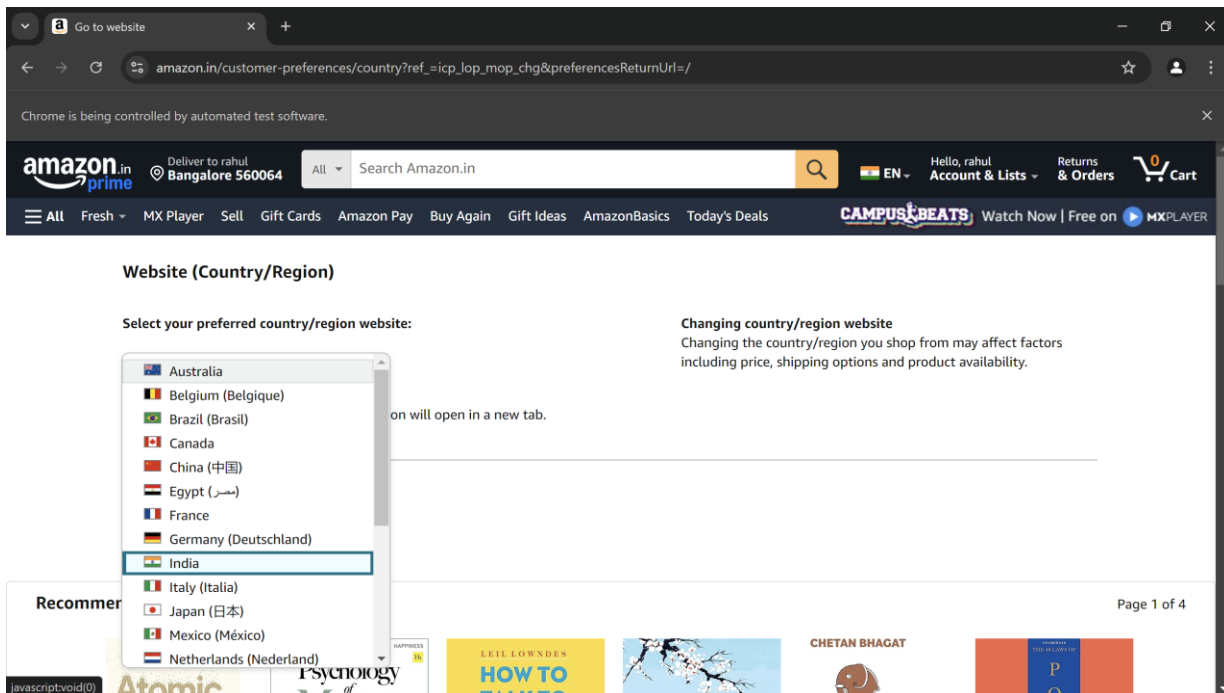**Output:**

a) **Login**

b) Mouse hover on EN

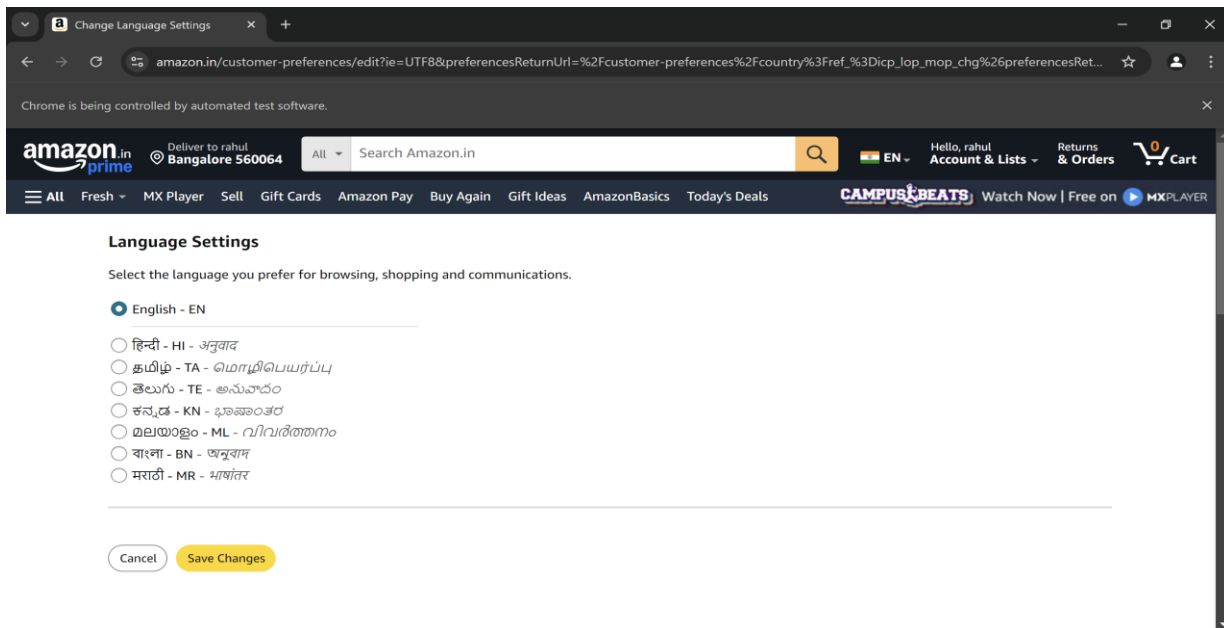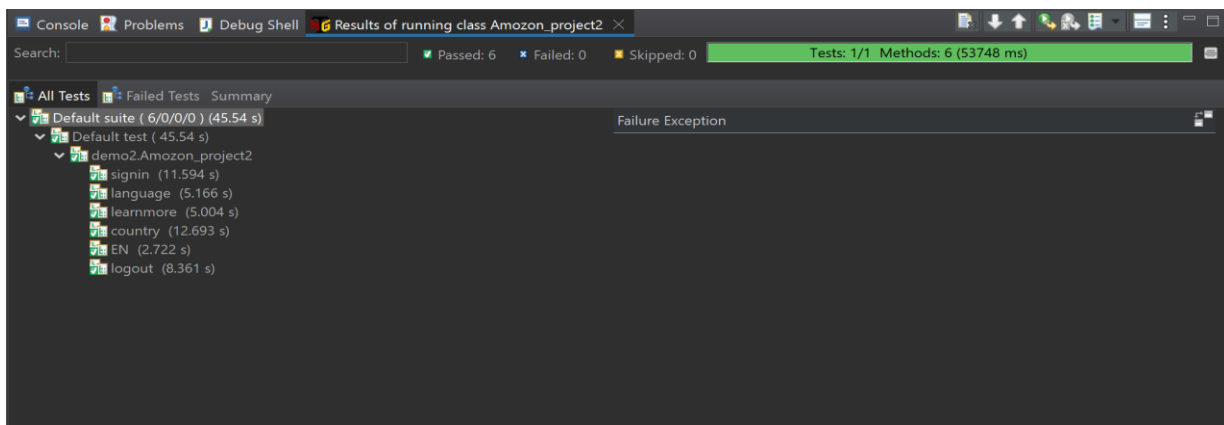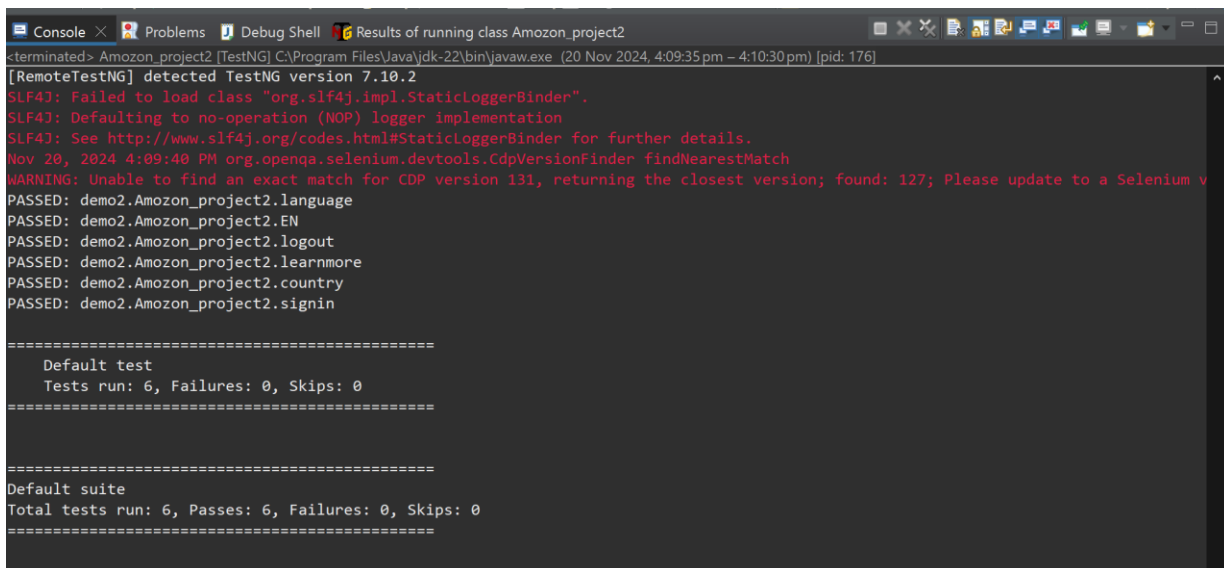## c) help and customer service

d) Country and Region

e) select country from a dropdown.

f) language setting page.

Console output:

Code:

```java
package demo2;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Test;


public class Amozon_project2 {


	public WebDriver driver;


	@BeforeTest
	public void setup() throws InterruptedException {
		driver = new ChromeDriver();
		 // Maximize the window
		driver.manage().window().maximize();
		 // Launching the URL
		driver.get("https://www.amazon.in/-
/hi/ap/signin?openid.pape.max_auth_age=3600&openid.return_"

				+
"to=https%3A%2F%2Fwww.amazon.in%2Fspr%2Freturns%2Fgift&openid.identity=http%3A%2F%2Fs
pecs"

				+
".openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.assoc_handle=amzn_psr_desktop_in&ope
nid."

				+
"mode=checkid_setup&language=en_IN&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fa
uth%2F2.0%2Fidentifier_"
```

```java
                                            +
"select&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0");

            Thread.sleep(2000);


    }


    @Test (priority=1)
    public void signin() throws InterruptedException {
            driver.findElement(By.xpath("//input[@type='email']")).sendKeys("9353239300");

            Thread.sleep(2000);

            driver.findElement(By.xpath("//input[@id='continue']")).click();

            Thread.sleep(2000);

    driver.findElement(By.xpath("//input[@type='password']")).sendKeys("Demo@123");

            Thread.sleep(2000);

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

            Thread.sleep(2000);

    }


    @Test (priority=2)
    public void language() throws InterruptedException {
            WebElement En= driver.findElement(By.xpath("//span[@class='icp-nav-link-
inner']"));

            Actions act=new Actions (driver);

            act.moveToElement(En).build().perform();

            Thread.sleep(5000);

    }


    @Test (priority=3)
    public void learnmore() throws InterruptedException {
            driver.findElement(By.xpath("(//div[@class='icp-helplink'])[1]")).click();

            Thread.sleep(3000);
```

```java
		}


		@Test (priority=4)
		public void country() throws InterruptedException {
			WebElement En= driver.findElement(By.xpath("//span[@class='icp-nav-link-
inner']"));

			Actions act=new Actions (driver);

			act.moveToElement(En).build().perform();

			Thread.sleep(5000);

			driver.findElement(By.xpath("(//div[@class='icp-mkt-change-lnk'])[1]")).click();

			Thread.sleep(2000);

			driver.findElement(By.xpath("//span[@class='a-button-text a-declarative']")).click();

			Thread.sleep(2000);

			driver.findElement(By.xpath("//a[@class='a-dropdown-link a-active']")).click();

			Thread.sleep(2000);

		}


		@Test (priority=5)
		public void EN() throws InterruptedException {
			driver.findElement(By.xpath("//span[@class='icp-nav-link-inner']")).click();

			Thread.sleep(2000);

		}


		@Test (priority=6)
	public void logout() throws InterruptedException {
			WebElement El= driver.findElement(By.xpath("//a[@class='nav-a nav-a-2 nav-
truncate   nav-progressive-attribute']"));

			Actions act=new Actions (driver);

			act.moveToElement(El).build().perform();

			Thread.sleep(3000);

			driver.findElement(By.xpath("(//span[@class='nav-text'])[22]")).click();

			Thread.sleep(3000);
```

```java
        }


        @AfterTest
        public void tearDown() {
            if (driver != null) {
                driver.quit();
            }


        }
}
```