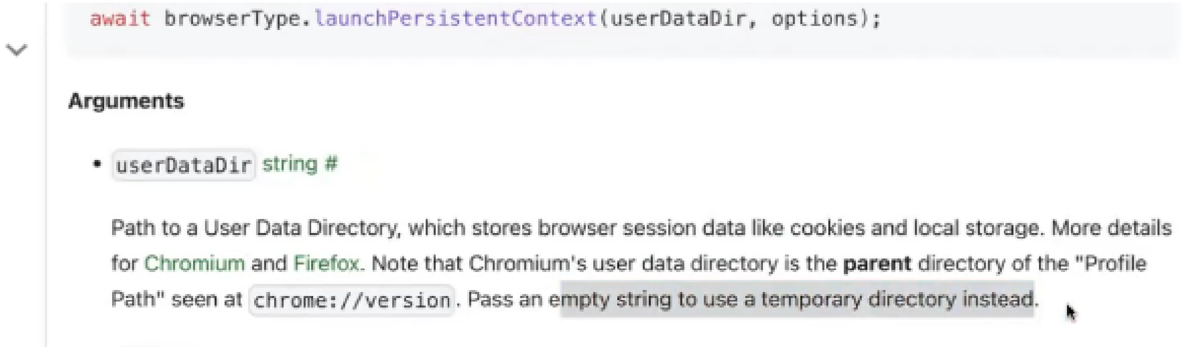
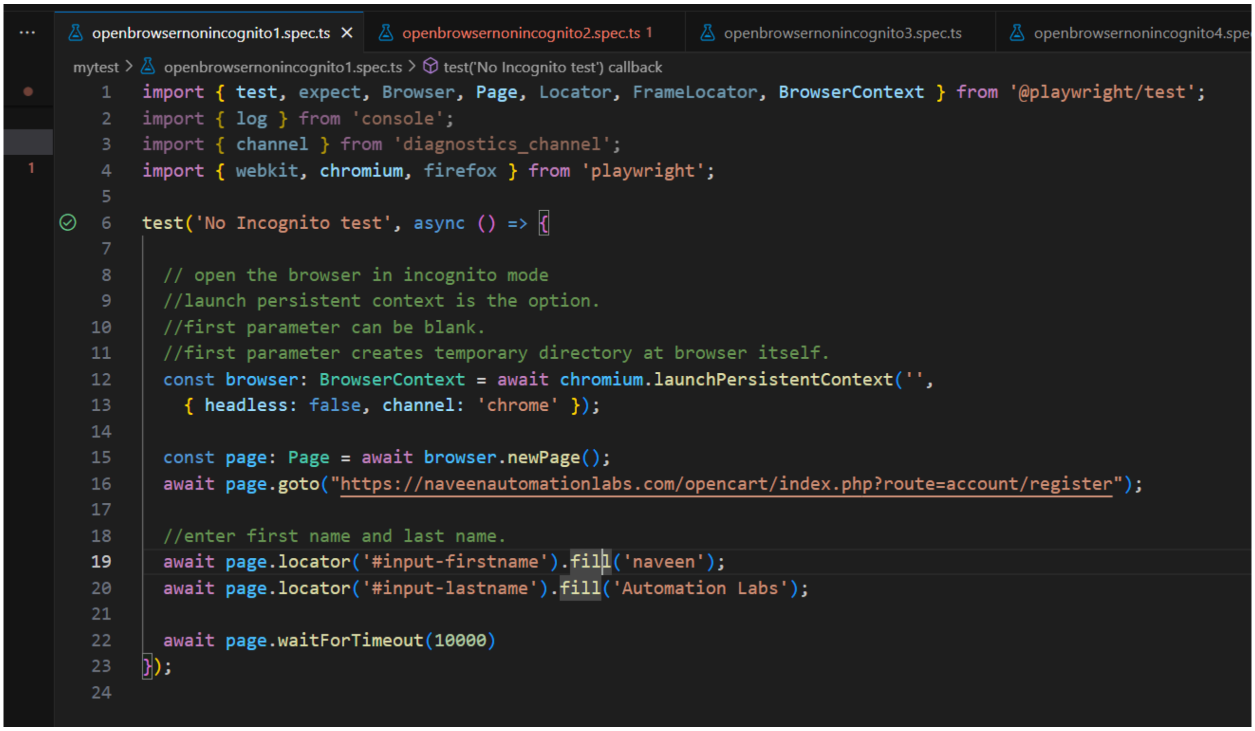


```
await browserType.launchPersistentContext(userDataDir, options);
```

Arguments

- `userDataDir` string #

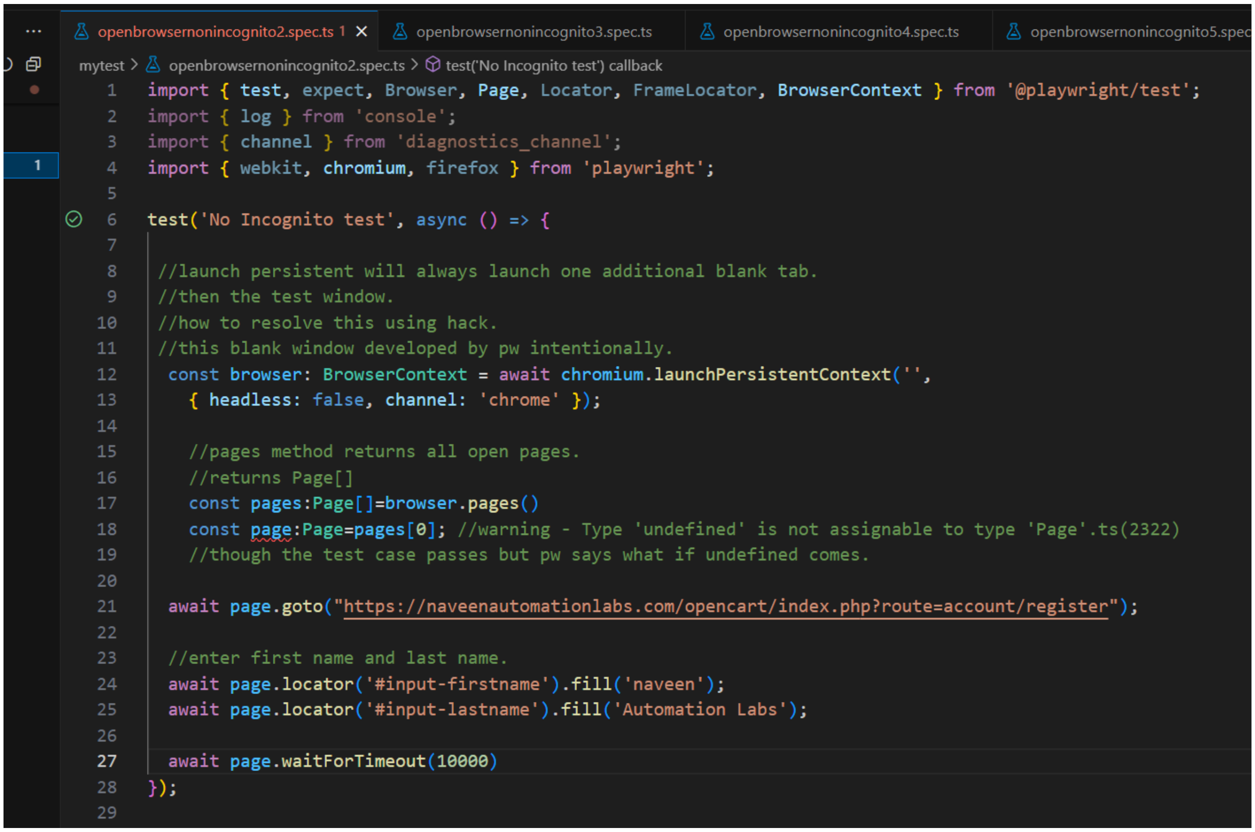
  Path to a User Data Directory, which stores browser session data like cookies and local storage. More details for Chromium and Firefox. Note that Chromium's user data directory is the **parent** directory of the "Profile Path" seen at `chrome://version`. Pass an empty string to use a temporary directory instead.


openbrowsernonincognito1.spec.ts
openbrowsernonincognito2.spec.ts 1
openbrowsernonincognito3.spec.ts
openbrowsernonincognito4.spe
mytest > openbrowsernonincognito1.spec.ts > test('No Incognito test') callback

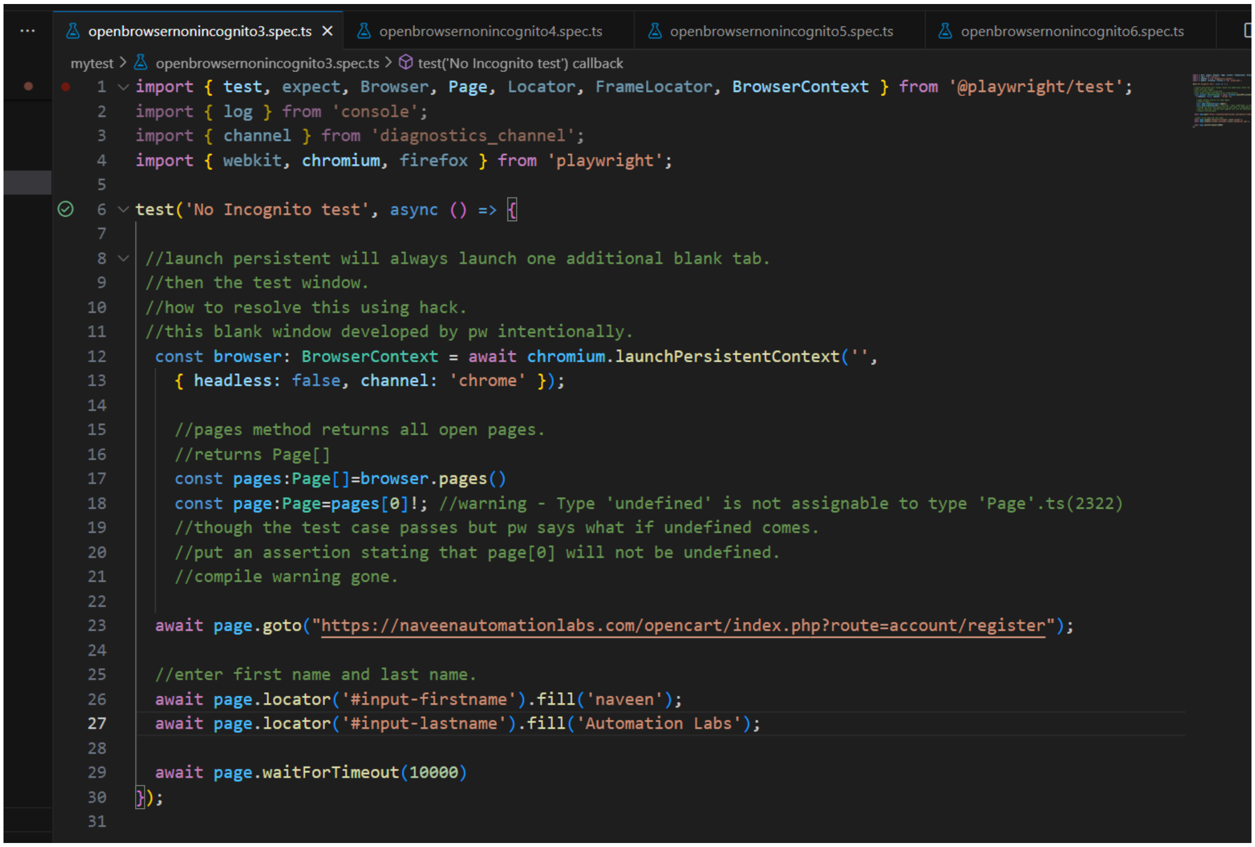
```
import { test, expect, Browser, Page, Locator, FrameLocator, BrowserContext } from '@playwright/test';
import { log } from 'console';
import { channel } from 'diagnostics_channel';
import { webkit, chromium, firefox } from 'playwright';

test('No Incognito test', async () => {

  // open the browser in incognito mode
  //launch persistent context is the option.
  //first parameter can be blank.
  //first parameter creates temporary directory at browser itself.
  const browser: BrowserContext = await chromium.launchPersistentContext('',
    { headless: false, channel: 'chrome' });

  const page: Page = await browser.newPage();
  await page.goto("https://naveenautomationlabs.com/opencart/index.php?route=account/register");

  //enter first name and last name.
  await page.locator('#input-firstname').fill('naveen');
  await page.locator('#input-lastname').fill('Automation Labs');

  await page.waitForTimeout(10000)
});

```

Persistent context will always open one default window and then our test window. Its how it is developed.

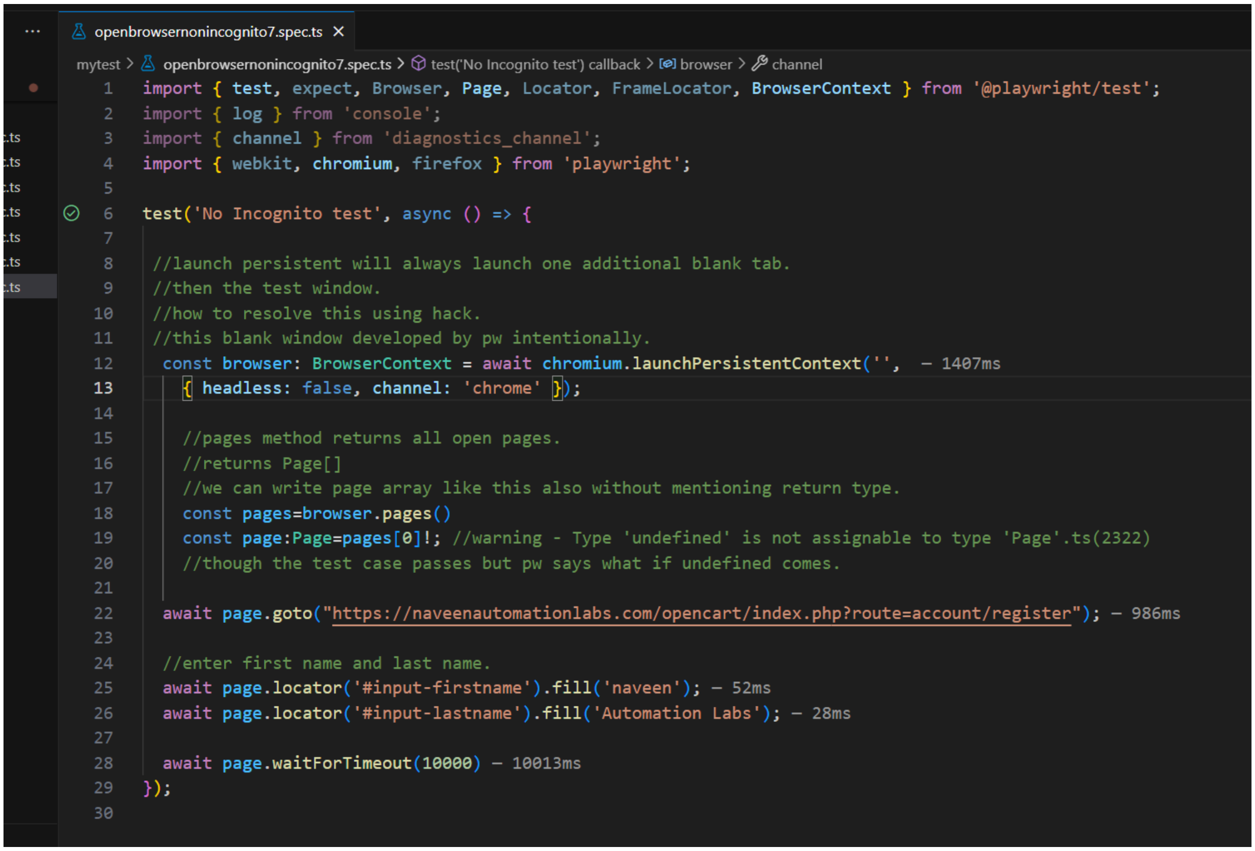
Hack to solve it-
Grab the pages.
Then get first page.
Then go to the url and work.


openbrowsernonincognito2.spec.ts 1
openbrowsernonincognito3.spec.ts
openbrowsernonincognito4.spec.ts
openbrowsernonincognito5.spec
mytest > openbrowsernonincognito2.spec.ts > test('No Incognito test') callback

```
import { test, expect, Browser, Page, Locator, FrameLocator, BrowserContext } from '@playwright/test';
import { log } from 'console';
import { channel } from 'diagnostics_channel';
import { webkit, chromium, firefox } from 'playwright';

test('No Incognito test', async () => {

 //launch persistent will always launch one additional blank tab.
 //then the test window.
 //how to resolve this using hack.
 //this blank window developed by pw intentionally.
  const browser: BrowserContext = await chromium.launchPersistentContext('',
    { headless: false, channel: 'chrome' });

    //pages method returns all open pages.
    //returns Page[]
    const pages:Page[]=browser.pages()
    const page:Page=pages[0]; //warning - Type 'undefined' is not assignable to type 'Page'.ts(2322)
    //though the test case passes but pw says what if undefined comes.

  await page.goto("https://naveenautomationlabs.com/opencart/index.php?route=account/register");

  //enter first name and last name.
  await page.locator('#input-firstname').fill('naveen');
  await page.locator('#input-lastname').fill('Automation Labs');

  await page.waitForTimeout(10000)
});
```

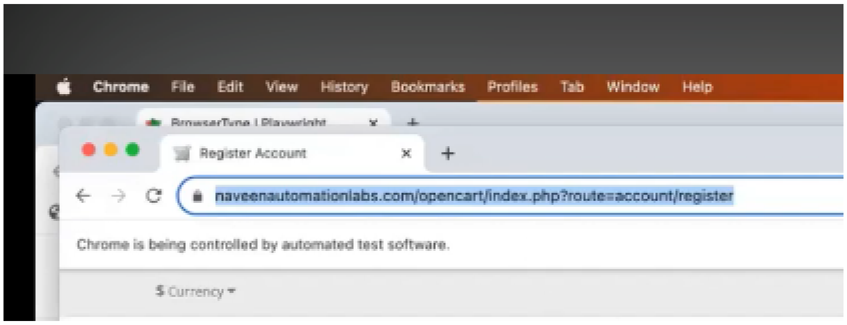

openbrowsernonincognito3.spec.ts
openbrowsernonincognito4.spec.ts
openbrowsernonincognito5.spec.ts
openbrowsernonincognito6.spec.ts
mytest > openbrowsernonincognito3.spec.ts > test('No Incognito test') callback

```
import { test, expect, Browser, Page, Locator, FrameLocator, BrowserContext } from '@playwright/test';
import { log } from 'console';
import { channel } from 'diagnostics_channel';
import { webkit, chromium, firefox } from 'playwright';

test('No Incognito test', async () => {

 //launch persistent will always launch one additional blank tab.
 //then the test window.
 //how to resolve this using hack.
 //this blank window developed by pw intentionally.
  const browser: BrowserContext = await chromium.launchPersistentContext('',
    { headless: false, channel: 'chrome' });

    //pages method returns all open pages.
    //returns Page[]
    const pages:Page[]=browser.pages()
    const page:Page=pages[0]!; //warning - Type 'undefined' is not assignable to type 'Page'.ts(2322)
    //though the test case passes but pw says what if undefined comes.
    //put an assertion stating that page[0] will not be undefined.
    //compile warning gone.

  await page.goto("https://naveenautomationlabs.com/opencart/index.php?route=account/register");

  //enter first name and last name.
  await page.locator('#input-firstname').fill('naveen');
  await page.locator('#input-lastname').fill('Automation Labs');

  await page.waitForTimeout(10000)
});
```


openbrowsernonincognito7.spec.ts
mytest > openbrowsernonincognito7.spec.ts > test('No Incognito test') callback > browser > channel

```
import { test, expect, Browser, Page, Locator, FrameLocator, BrowserContext } from '@playwright/test';
import { log } from 'console';
import { channel } from 'diagnostics_channel';
import { webkit, chromium, firefox } from 'playwright';

test('No Incognito test', async () => {

 //launch persistent will always launch one additional blank tab.
 //then the test window.
 //how to resolve this using hack.
 //this blank window developed by pw intentionally.
  const browser: BrowserContext = await chromium.launchPersistentContext('',  — 1407ms
    { headless: false, channel: 'chrome' });

    //pages method returns all open pages.
    //returns Page[]
    //we can write page array like this also without mentioning return type.
    const pages=browser.pages()
    const page:Page=pages[0]!; //warning - Type 'undefined' is not assignable to type 'Page'.ts(2322)
    //though the test case passes but pw says what if undefined comes.

  await page.goto("https://naveenautomationlabs.com/opencart/index.php?route=account/register"); — 986ms

  //enter first name and last name.
  await page.locator('#input-firstname').fill('naveen'); — 52ms
  await page.locator('#input-lastname').fill('Automation Labs'); — 28ms

  await page.waitForTimeout(10000) — 10013ms
});
```

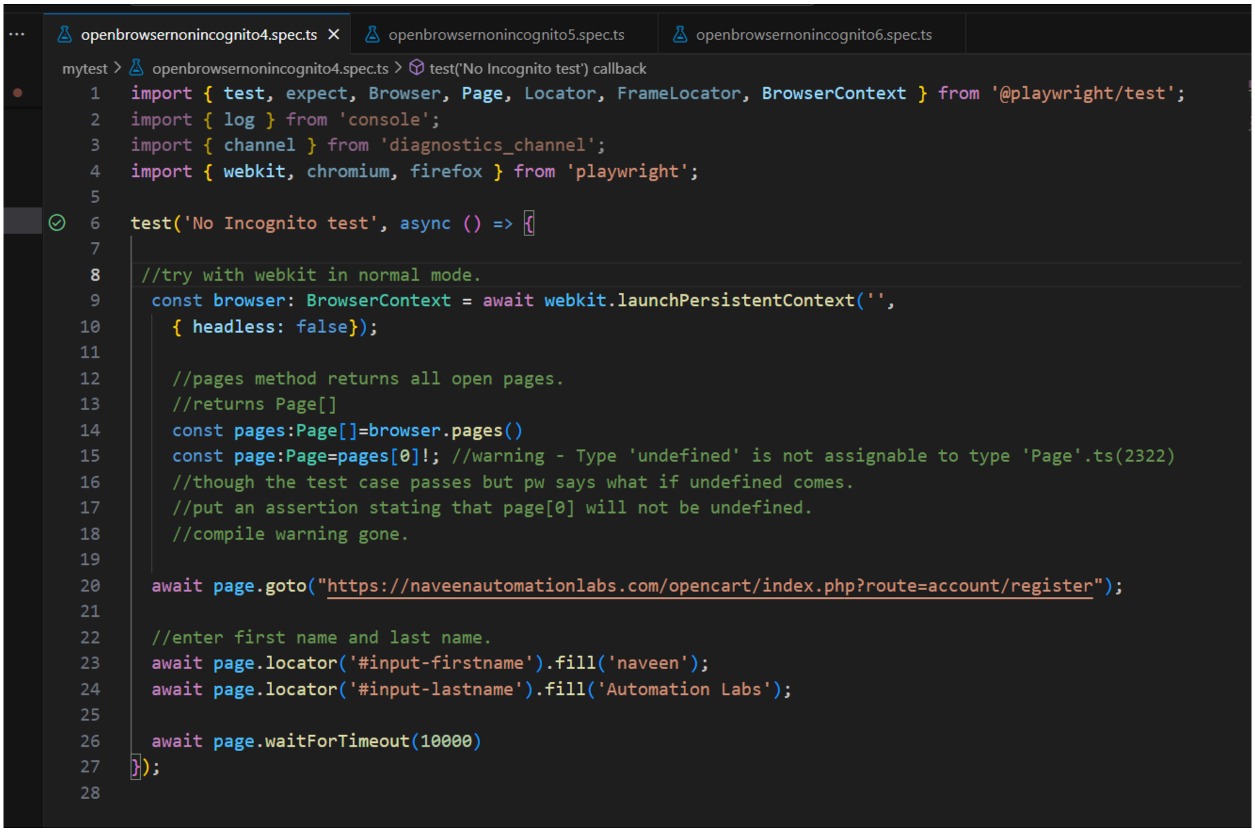
Only one page opened.



naveenautomationlabs.com/opencart/index.php?route=account/register

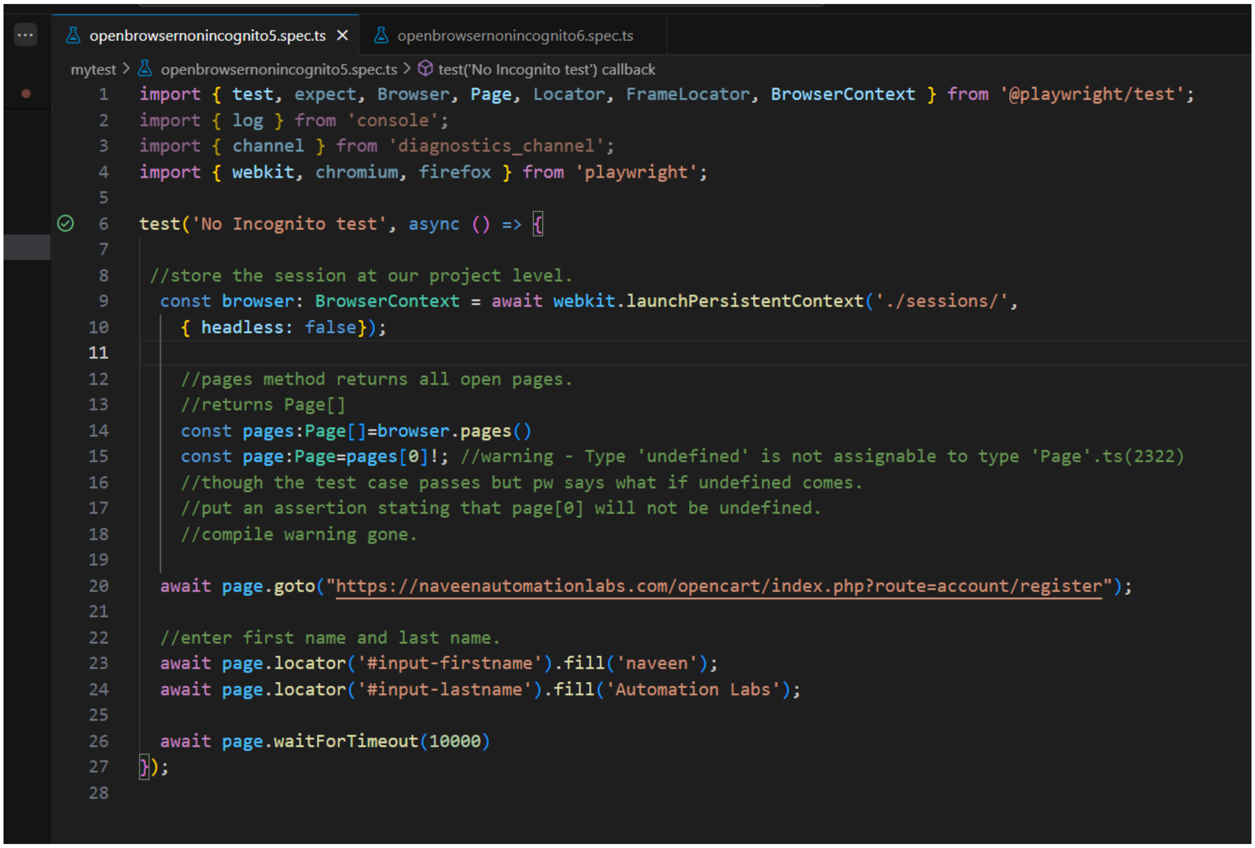
Chrome is being controlled by automated test software.

Try with firefox or webkit in normal mode-

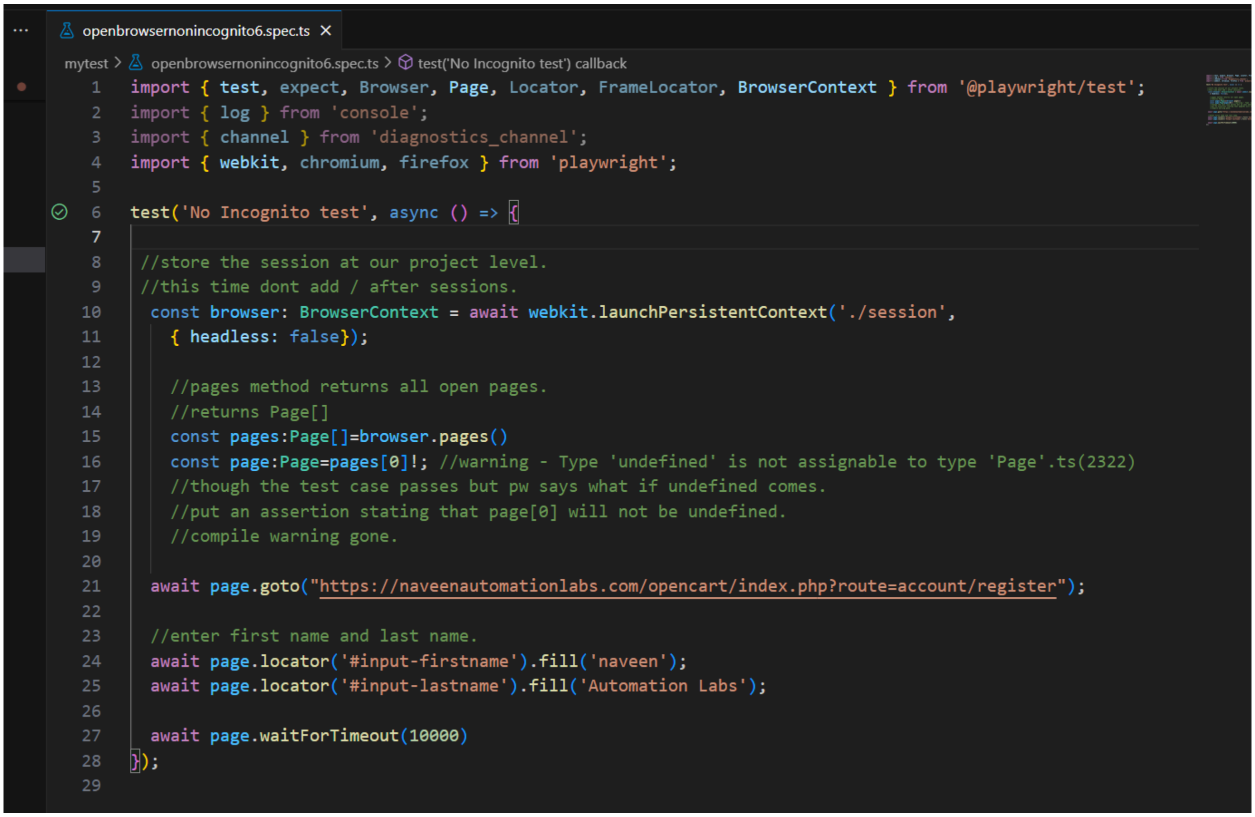

openbrowsernonincognito4.spec.ts
openbrowsernonincognito5.spec.ts
openbrowsernonincognito6.spec.ts
mytest > openbrowsernonincognito4.spec.ts > test('No Incognito test') callback

```
import { test, expect, Browser, Page, Locator, FrameLocator, BrowserContext } from '@playwright/test';
import { log } from 'console';
import { channel } from 'diagnostics_channel';
import { webkit, chromium, firefox } from 'playwright';

test('No Incognito test', async () => {

 //try with webkit in normal mode.
  const browser: BrowserContext = await webkit.launchPersistentContext('',
    { headless: false});

    //pages method returns all open pages.
    //returns Page[]
    const pages:Page[]=browser.pages()
    const page:Page=pages[0]!; //warning - Type 'undefined' is not assignable to type 'Page'.ts(2322)
    //though the test case passes but pw says what if undefined comes.
    //put an assertion stating that page[0] will not be undefined.
    //compile warning gone.

  await page.goto("https://naveenautomationlabs.com/opencart/index.php?route=account/register");

  //enter first name and last name.
  await page.locator('#input-firstname').fill('naveen');
  await page.locator('#input-lastname').fill('Automation Labs');

  await page.waitForTimeout(10000)
});

```

Store the session in our project-


openbrowsernonincognito5.spec.ts
openbrowsernonincognito6.spec.ts
mytest > openbrowsernonincognito5.spec.ts > test('No Incognito test') callback

```
import { test, expect, Browser, Page, Locator, FrameLocator, BrowserContext } from '@playwright/test';
import { log } from 'console';
import { channel } from 'diagnostics_channel';
import { webkit, chromium, firefox } from 'playwright';

test('No Incognito test', async () => {

 //store the session at our project level.
  const browser: BrowserContext = await webkit.launchPersistentContext('./sessions/',
    { headless: false});

    //pages method returns all open pages.
    //returns Page[]
    const pages:Page[]=browser.pages()
    const page:Page=pages[0]!; //warning - Type 'undefined' is not assignable to type 'Page'.ts(2322)
    //though the test case passes but pw says what if undefined comes.
    //put an assertion stating that page[0] will not be undefined.
    //compile warning gone.

  await page.goto("https://naveenautomationlabs.com/opencart/index.php?route=account/register");

  //enter first name and last name.
  await page.locator('#input-firstname').fill('naveen');
  await page.locator('#input-lastname').fill('Automation Labs');

  await page.waitForTimeout(10000)
});
```


openbrowsernonincognito6.spec.ts
mytest > openbrowsernonincognito6.spec.ts > test('No Incognito test') callback

```
import { test, expect, Browser, Page, Locator, FrameLocator, BrowserContext } from '@playwright/test';
import { log } from 'console';
import { channel } from 'diagnostics_channel';
import { webkit, chromium, firefox } from 'playwright';

test('No Incognito test', async () => {

 //store the session at our project level.
 //this time dont add / after sessions.
  const browser: BrowserContext = await webkit.launchPersistentContext('./session',
    { headless: false});

    //pages method returns all open pages.
    //returns Page[]
    const pages:Page[]=browser.pages()
    const page:Page=pages[0]!; //warning - Type 'undefined' is not assignable to type 'Page'.ts(2322)
    //though the test case passes but pw says what if undefined comes.
    //put an assertion stating that page[0] will not be undefined.
    //compile warning gone.

  await page.goto("https://naveenautomationlabs.com/opencart/index.php?route=account/register");

  //enter first name and last name.
  await page.locator('#input-firstname').fill('naveen');
  await page.locator('#input-lastname').fill('Automation Labs');

  await page.waitForTimeout(10000)
});
```