

1. Automate interactions with a webpage, focusing on window handling and navigating between them using Playwright

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tests > Week4Assignment > TS AutomateWindow.spec.ts > test.only('automate window using Playwright') callback
1 import { test, expect } from '@playwright/test';
2 test.only('automate window using Playwright', async ({ context, page }) => {
3   // Step 1: Open the Salesforce login page
4   await page.goto("https://login.salesforce.com");
5   // Step 2: Login
6   await page.getByLabel('Username').fill('dilip@testleaf.com');
7   await page.getByLabel('Password').fill('Leaf@123');
8   await page.locator("#Login").click();
9   // Step 3: Wait for dashboard to load
10  await page.waitForTimeout(5000);
11  // Step 4: Click "Learn More" and wait for new window/tab using Promise.all
12  const [newPage] = await Promise.all([
13    context.waitForEvent('page'), // Wait for the new tab
14    page.locator("//button[contains(text(),'Learn More')]").click() // Trigger the tab
15  ]);
16  // Step 5: Ensure the new page is fully loaded
17  await newPage.waitForLoadState();
18  // Step 6: Capture and log the new window title
19  const popupTitle = await newPage.title();
20  console.log(`New Window Title: ${popupTitle}`);
21  // Step 7: Click the 'Confirm' button
22  await newPage.locator("//button[text()='Confirm']").click();
23  // Step 8: Wait again in case it triggers navigation
24  await newPage.waitForLoadState();
25  // Step 9: Capture final title and URL
26  const finalTitle = await newPage.title();
27  const finalURL = newPage.url();
28  console.log(`Final Title: ${finalTitle}`);
29  console.log(`Final URL: ${finalURL}`);
30  // Step 10: Assertions to validate page title and URL
31  expect(finalTitle).toContain("Salesforce");
32  expect(finalURL).toContain("salesforce");
33  });
```

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1 passed (10.9s)
PS C:\Playwright-workspace\Playwright-Testleaf\PlaywrightJune2025\tests\Week4Assignment> npx playwright test AutomateWindow.spec.ts

Running 1 test using 1 worker

  ✓ 1 AutomateWindow.spec.ts:2:6 › automate window using Playwright (13.1s)
    New Window Title:
    Final Title: Service Cloud: AI-powered Customer Service Agent Console | Salesforce US
    Final URL: https://www.salesforce.com/service/cloud/?bc=HB
  1 passed (14.3s)
PS C:\Playwright-workspace\Playwright-Testleaf\PlaywrightJune2025\tests\Week4Assignment> |
```

2. Task is to merge the Accounts created

```
tests > Week4Assignment > TS MergeCreatedAccounts.spec.ts > test('LeafTaps.com - Merge the Accounts created') callback
1 import { test, expect } from '@playwright/test';
2 test('LeafTaps.com - Merge the Accounts created', async ({ page, context }) => {
3   // Step 1: Launch application
4   await page.goto('http://leafTaps.com/opentaps/control/main');
5   // Step 2: Login
6   await page.locator('#username').fill('DemoCSR2');
7   await page.locator('#password').fill('crmsfa');
8   await page.locator('.decorativeSubmit').click();
9   // Step 3: Navigate to CRM/SFA > Accounts > Merge Accounts
10  await page.locator('text=CRM/SFA').click();
11  await page.locator('//a[text()="Accounts"]').click();
12  await page.locator('//a[text()="Merge Accounts"]').click();
13  // ===== FROM Account =====
14  const [fromPopup] = await Promise.all
15  ([
16    context.waitForEvent('page'),
17    page.locator('//img[@alt="Lookup"])[1]').click() // First widget (From Account)
18  ]);
19  await fromPopup.waitForLoadState();
20  await fromPopup.locator('//a[@class="linktext"])[1]').click(); // Select first result
21  await fromPopup.close();
22  // ===== TO Account =====
23  const [toPopup] = await Promise.all
24  ([
25    context.waitForEvent('page'),
26    page.locator('//img[@alt="Lookup"])[2]').click() // Second widget (To Account)
27  ]);
28  await toPopup.waitForLoadState();
29  await toPopup.locator('//a[@class="linktext"])[1]').click(); // Select first result
30  await toPopup.close();
31  // Step 4: Click Merge
32  await page.locator('//a[text()="Merge"]').click();
33  // Step 5: Handle the confirmation alert
34  const dialog = await page.waitForEvent('dialog');
35  console.log('Alert message:', dialog.message());
36  console.log('Alert type:', dialog.type());
37  await dialog.accept();
38
39  // Step 6: Wait for navigation to complete
40  await page.waitForLoadState('load');
41  // Step 7 : Verify the title
42  await expect(page).toHaveTitle(/View Account|Accounts/);
43  });
```

```
PS C:\Playwright-workspace\Playwright-TestLeaf\PlaywrightJune2025\tests\Week4Assignment> npx playwright test MergeCreatedAccounts.spec.ts
Running 1 test using 1 worker
✓ 1 MergeCreatedAccounts.spec.ts:2:5 › LeafTaps.com - Merge the Accounts created (6.6s)
Alert message: Are you sure?
Alert type: confirm
1 passed (7.6s)
PS C:\Playwright-workspace\Playwright-TestLeaf\PlaywrightJune2025\tests\Week4Assignment>
```