

## 1. JS Alert Confirmation (HerokuApp)

```
tests > week4 JA Assignment > TS AlertConfirm.spec.ts > test("JS Confirm Alert - Dismiss (Cancel) Flow") callback
1 import { test, expect } from '@playwright/test';
2
3 // Test case to handle JS Confirm alert on HerokuApp using Playwright
4 test("JS Confirm Alert - Dismiss (Cancel) Flow", async ({ page }) => {
5
6     // Navigate to the target website
7     await page.goto("https://the-internet.herokuapp.com/javascript_alerts");
8     // Set up a one-time handler for the JS Confirm dialog
9     page.once("dialog", async alert => {
10         console.log("Dialog Type:", alert.type()); // Output: confirm
11         console.log("Dialog Message:", alert.message()); // Output: "I am a JS Confirm"
12         await alert.dismiss(); // Simulate clicking "Cancel"
13     });
14     // Click the "Click for JS Confirm" button to trigger the confirmation alert
15     await page.getByRole('button', { name: "Click for JS Confirm" }).click();
16     // Get the result message shown after dismissing the alert
17     const resultText = await page.locator("#result").textContent();
18     // Verify that the correct message appears after dismissing
19     expect(resultText).toBe("You clicked: Cancel");
20 }
21
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS PLAYWRIGHT

PS C:\Playwright-workspace\Playwright-Testleaf\PlaywrightJune2025> npx playwright test AlertConfirm.spec.ts

Running 1 test using 1 worker

- [chromium] > tests\week4 JA Assignment\AlertConfirm.spec.ts:4:5 > JS Confirm Alert - Dismiss (Cancel) Flow

Dialog Type: confirm  
Dialog Message: I am a JS Confirm  
1 passed (14.2s)

Serving HTML report at <http://localhost:9323>. Press Ctrl+C to quit.

All 1 Passed 1 Failed 0 Flaky 0 Skipped 0

### JS Confirm Alert - Dismiss (Cancel) Flow

week4 JA Assignment/AlertConfirm.spec.ts:4 12.9s

chromium

Run

Test Steps

> Before Hooks	602ms
> Navigate to "/javascript_alerts" — week4 JA Assignment/AlertConfirm.spec.ts:7	11.2s
> Click getByRole('button', { name: 'Click for JS Confirm' }) — week4 JA Assignment/AlertConfirm.spec.ts:17	130ms
> Dismiss dialog — week4 JA Assignment/AlertConfirm.spec.ts:13	3ms
> Get text content locator("#result") — week4 JA Assignment/AlertConfirm.spec.ts:20	11ms
> Expect "toBe" — week4 JA Assignment/AlertConfirm.spec.ts:23	3ms
> After Hooks	1.1s

Screenshots

## 1(a):Alert not handled - Autodismiss

```
tests > week4 JA Assignment > TS AlertnotHandled.spec.ts > ...
1 import { test, expect } from '@playwright/test';
2
3 // Test case that DOES NOT handle JS Confirm alert
4 test("JS Confirm Alert - No Handling", async ({ page }) => {
5
6   // Step 1: Navigate to the target page
7   await page.goto("https://the-internet.herokuapp.com/javascript_alerts");
8
9   // Step 2: Click the button to trigger the JS Confirm alert
10  await page.getByRole('button', { name: "Click for JS Confirm" }).click();
11
12  // Step 3: Try to retrieve result (this will not execute due to unhandled alert)
13  const resultText = await page.locator("#result").textContent();
14
15  // Step 4: Attempt to verify (this will be unreachable)
16  expect(resultText).toBe("You clicked: Cancel");
17 }]);
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS PLAYWRIGHT

Serving HTML report at <http://localhost:9323>. Press Ctrl+C to quit.

PS C:\Playwright-workspace\Playwright-Testleaf\PlaywrightJune2025> npx playwright test AlertnotHandled.spec.ts

Running 1 test using 1 worker

1 passed (15.5s)

Serving HTML report at <http://localhost:9323>. Press Ctrl+C to quit.

All 1 Passed 1 Failed 0 Flaky 0 Skipped 0

## JS Confirm Alert - No Handling

week4 JA Assignment/AlertnotHandled.spec.ts:4 13.5s

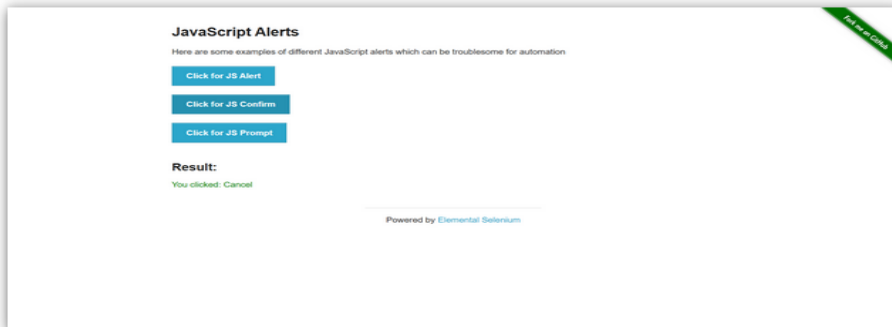
chromium

✓ Run

Test Steps

> ✓ Before Hooks	396ms
> ✓ Navigate to "/javascript_alerts" — week4 JA Assignment/AlertnotHandled.spec.ts:7	12.0s
> ✓ Click getByRole('button', { name: 'Click for JS Confirm' }) — week4 JA Assignment/AlertnotHandled.spec.ts:10	119ms
> ✓ Get text content locator("#result") — week4 JA Assignment/AlertnotHandled.spec.ts:13	12ms
> ✓ Expect "toBe" — week4 JA Assignment/AlertnotHandled.spec.ts:16	1ms
> ✓ After Hooks	1.2s

Screenshots



## 1(b) Simulating both accept and cancel Alerts – Page.on

```
tests > week4 JA Assignment > TS HandleBothAcceptCancelAlert.spec.ts > test("JS Confirm Alert - Handle Accept and Cancel using page.on") callback
1 import { test, expect } from '@playwright/test';
2
3 test("JS Confirm Alert - Handle Accept and Cancel using page.on", async ({ page }) => {
4
5     // Navigate to the test page with JS alerts
6     await page.goto("https://the-internet.herokuapp.com/javascript_alerts");
7     // Initialize a counter to track how many dialogs we handle
8     let dialogCount = 0;
9     // Register a dialog event handler using `page.on` This handler will run every time a dialog appears
10    page.on('dialog', async dialog => {
11        {
12            dialogCount++; // Increment dialog count
13            console.log(`Dialog ${dialogCount}: ${dialog.message()}`);
14
15            if (dialogCount === 1)
16            {
17                await dialog.accept(); // First time alert appears – simulate clicking "OK"
18            } else if (dialogCount === 2)
19            {
20                await dialog.dismiss(); // Second time alert appears – simulate clicking "Cancel"
21            }
22        }
23    });
24    await page.click("text=Click for JS Confirm"); // Trigger the first JS confirm alert
25    let resultText = await page.locator("#result").textContent(); // Get the result text after accepting the alert
26
27    // Verify the result matches expected value for "OK"
28    expect(resultText).toBe("You clicked: Ok");
29    console.log("Accept result:", resultText);
30
31    await page.click("text=Click for JS Confirm"); // Trigger the second JS Confirm alert
32    resultText = await page.locator("#result").textContent(); // Get the result text after dismissing the alert
33
34    // Verify the result matches expected value for "Cancel"
35    expect(resultText).toBe("You clicked: Cancel");
36    console.log("Cancel result:", resultText);
37    });
```

PS C:\Playwright-workspace\Playwright-Testleaf\PlaywrightJune2025> npx playwright test HandleBothAcceptCancelAlert.spec.ts

```
Running 1 test using 1 worker
[chromium] > tests\week4 JA Assignment\HandleBothAcceptCancelAlert.spec.ts:3:5 > JS Confirm Alert - Handle Accept and Cancel using page.on
Dialog 1: I am a JS Confirm
Accept result: You clicked: Ok
Dialog 2: I am a JS Confirm
Cancel result: You clicked: Cancel
1 passed (13.8s)
```

Serving HTML report at <http://localhost:9323>. Press Ctrl+C to quit.

Q

All 1 Passed 1 Failed 0 Flaky 0 Skipped 0

### JS Confirm Alert - Handle Accept and Cancel using page.on

week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:3 12.7s


chromium

Run

Test Steps

> ✓ Before Hooks	396ms
> ✓ Navigate to "/javascript_alerts" — week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:6	11.1s
> ✓ Click locator("text=Click for JS Confirm") — week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:26	141ms
> ✓ Accept dialog — week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:19	7ms
> ✓ Get text content locator("#result") — week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:27	9ms
> ✓ Expect "toBe" — week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:30	2ms
> ✓ Click locator("text=Click for JS Confirm") — week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:34	105ms
> ✓ Dismiss dialog — week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:22	6ms
> ✓ Get text content locator("#result") — week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:35	11ms
> ✓ Expect "toBe" — week4 JA Assignment/HandleBothAcceptCancelAlert.spec.ts:38	1ms
> ✓ After Hooks	1.0s

Screenshots



## 2. Multi-Tab Handling (HerokuApp)

```
tests > week4 JA Assignment > TS MultiTabHandling.spec.ts > test('Multi-Tab Handling (HerokuApp)') callback
1 import { test, expect } from '@playwright/test';
2
3 test('Multi-Tab Handling (HerokuApp)', async ({ page, context }) => {
4   // Step 1: Navigate to the original HerokuApp page
5   await page.goto('https://the-internet.herokuapp.com/windows');
6   await page.waitForTimeout(3000)
7
8   // Step 2: Wait for the new tab to open after clicking the link
9   const [newTab] = await Promise.all
10  ([
11    context.waitForEvent('page'), // Waits for the new tab (page) event
12    page.getByRole('link', { name: 'Click Here' }).click(), // Clicks the link that opens the tab
13  ]);
14  // Step 3: Wait for the new tab to load completely
15  await newTab.waitForLoadState();
16  await newTab.waitForTimeout(3000);
17  // Step 4: locate element and get its text
18  const headingText = await newTab.locator('//h3').textContent();
19  expect(headingText).toBe('New window'); // Validate the heading in the new tab
20  // Step 5: Close the new tab
21  await newTab.close();
22  await page.waitForTimeout(3000)
23  // Step 6: Back on the original tab, verify its heading is still present
24  const originalHeading = await page.locator('//h3').textContent();
25  expect(originalHeading).toBe('Opening a new window');
26  });
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS PLAYWRIGHT

PS C:\Playwright-workspace\Playwright-Testleaf\PlaywrightJune2025> npx playwright test MultiTabHandling.spec.ts

Running 1 test using 1 worker

- 1 passed (19.0s)

Serving HTML report at <http://localhost:9323>. Press Ctrl+C to quit.

Q All 1 Passed 1 Failed 0 Flaky 0 Skipped 0

### Multi-Tab Handling (HerokuApp)

week4 JA Assignment/MultiTabHandling.spec.ts:3

17.8s

chromium

✓ Run

#### Test Steps

> ✓ Before Hooks	407ms
> ✓ Navigate to "/windows" — week4 JA Assignment/MultiTabHandling.spec.ts:5	7.3s
> ✓ Wait for timeout — week4 JA Assignment/MultiTabHandling.spec.ts:6	3.0s
> ✓ Wait for event "page" — week4 JA Assignment/MultiTabHandling.spec.ts:11	526ms
> ✓ Click getByRole("link", { name: 'Click Here' }) — week4 JA Assignment/MultiTabHandling.spec.ts:12	148ms
> ✓ Wait for load state "load" — week4 JA Assignment/MultiTabHandling.spec.ts:15	6ms
> ✓ Wait for timeout — week4 JA Assignment/MultiTabHandling.spec.ts:16	3.0s
> ✓ Get text content locator("//h3") — week4 JA Assignment/MultiTabHandling.spec.ts:18	37ms
> ✓ Expect "toBe" — week4 JA Assignment/MultiTabHandling.spec.ts:19	1ms
> ✓ Close — week4 JA Assignment/MultiTabHandling.spec.ts:21	18ms
> ✓ Wait for timeout — week4 JA Assignment/MultiTabHandling.spec.ts:22	3.0s
> ✓ Get text content locator("//h3") — week4 JA Assignment/MultiTabHandling.spec.ts:24	5ms
> ✓ Expect "toBe" — week4 JA Assignment/MultiTabHandling.spec.ts:25	1ms
> ✓ After Hooks	665ms

#### Screenshots



### 3. Multi-Window Handling(Leafground.com)

```
tests > week4 JA Assignment > TS MultiWindowHandling.spec.ts > test('Handle Multiple Windows - LeafGround') callback
1 //https://leafground.com/window.xhtml;jsessionId=node01rdvd9d07xdoz1lnkaancni8di3245467.node0
2 import { test, expect } from '@playwright/test';
3 test('Handle Multiple Windows - LeafGround', async ({ context, page }) => {
4   // Step 1: Navigate to the LeafGround Windows page
5   await page.goto('https://leafground.com/window.xhtml');
6   // Step 2: Store original page reference
7   const originalPage = page;
8   // Step 3: Click "Open Multiple" button and wait for new pages to open
9   const [newPages] = await Promise.all
10  ([
11    context.waitForEvent('page'), // Waits for page/window to open
12    page.getByText('Open Multiple').click()//Click action that triggers multiple windows
13  ]);
14  // Step 4: Wait for all windows to fully open
15  await page.waitForTimeout(2000);
16  // Step 5: Get all currently open pages
17  const allPages = context.pages();
18  // Step 6: Loop through all pages except the original, print title, and close them
19  for (const p of allPages) {
20    if (p !== originalPage) {
21      await p.bringToFront(); // Make sure it's active
22      console.log('New Window Title:', await p.title());
23      await p.close(); // Close the new tab/window
24    }
25  }
26  // Step 7: Focus back to the original page and confirm it's still usable
27  await originalPage.bringToFront();
28  console.log('Returned to Original Window:', await originalPage.title());
29  });
```

```
1 passed (6.4s)
PS C:\Playwright-workspace\Playwright-Testleaf\PlaywrightJune2025> npx playwright test MultiWindowHandling.spec.ts

Running 1 test using 1 worker
[chromium] > tests\week4 JA Assignment\MultiWindowHandling.spec.ts:3:5 > Handle Multiple Windows - LeafGround
New Window Title: Web Table
New Window Title: Dashboard
Returned to Original Window: Window
1 passed (5.9s)

Serving HTML report at http://localhost:9323. Press Ctrl+C to quit.
```

🔍

All 1 Passed 1 Failed 0 Flaky 0 Skipped 0

## Handle Multiple Windows - LeafGround

week4 JA Assignment/MultiWindowHandling.spec.ts:3

4.7s

chromium

✓ Run

Test Steps

> ✓ Before Hooks	348ms
> ✓ Navigate to "window.xhtml" — week4 JA Assignment/MultiWindowHandling.spec.ts:5	1.8s
> ✓ Wait for event "page" — week4 JA Assignment/MultiWindowHandling.spec.ts:11	249ms
> ✓ Click getByText("Open Multiple") — week4 JA Assignment/MultiWindowHandling.spec.ts:12	330ms
> ✓ Wait for timeout — week4 JA Assignment/MultiWindowHandling.spec.ts:15	2.0s
> ✓ Bring to front — week4 JA Assignment/MultiWindowHandling.spec.ts:21	12ms
> ✓ Close — week4 JA Assignment/MultiWindowHandling.spec.ts:23	11ms
> ✓ Bring to front — week4 JA Assignment/MultiWindowHandling.spec.ts:21	17ms
> ✓ Close — week4 JA Assignment/MultiWindowHandling.spec.ts:23	12ms
> ✓ Bring to front — week4 JA Assignment/MultiWindowHandling.spec.ts:27	14ms
> ✓ After Hooks	261ms

Screenshots

