## Dialogs:

By default, **dialogs are auto-dismissed by Playwri**ght, so you don't have to handle them.

However, you can register a dialog handler before the action that triggers the dialog to either dialog.accept() or dialog.dismiss() it.

Dialogs are JavaScript pop-ups like alert, confirm, and prompt.

### Common Dialog Types

- alert(): Displays a message with an OK button.
- confirm(): Displays a message with OK and Cancel buttons.
- prompt(): Asks for user input.

### How to Handle a Dialog

You need to **listen** for the dialog event and then **accept** or **dismiss** it.

## Example – Handling an alert() Dialog

```
import { test, expect } from '@playwright/test';

test('handle alert dialog', async ({ page }) => {

  // Listen for the dialog

  page.on('dialog', async (dialog) => {

    console.log('Dialog message:', dialog.message());

    await dialog.accept(); // or dialog.dismiss();

  });

  await page.goto('https://example.com');

  await page.click('#trigger-alert'); // Assume this triggers an alert

});
```

## Example – Handling a confirm() Dialog

```
page.on('dialog', async (dialog) => {

  console.log(dialog.message());

  await dialog.accept(); // Click OK

  // await dialog.dismiss(); // Click Cancel

});
```

**Example – Handling a prompt() Dialog with Input**

```
page.on('dialog', async (dialog) => {
  console.log(dialog.message());
  await dialog.accept('My input text'); // Provide input and click OK
});
```

## Frames:

An **iframe** (inline frame) is an HTML element that allows one HTML document to be embedded inside another.

Commonly used to include:

- YouTube videos
- Google Maps
- Other webpages inside the current page

**page.frames()**

- Returns a list of all frames on the current page.
- Helps in understanding how many iframes exist.

**page.frame()**

- Used to access a specific frame by its **URL** or **name**.
- Returns a Frame object that allows us to interact with elements inside the iframe.

**page.frameLocator()**

- A newer and preferred way to work with frames.
- Allows you to directly locate elements inside an iframe using Playwright's powerful locators.
- More **stable** than page.frame().

**childFrames()**

- If a frame contains **another nested frame**, you can access it using frame.childFrames().