You can pass the URL dynamically when running npx playwright test by using environment variables or custom CLI arguments. Here’s how you can achieve this:

**Method 1: Use Environment Variables**

1. **Pass the URL as an Environment Variable** Run the test and set the URL using an environment variable:

bash

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URL=https://example.com npx playwright test

1. **Access the URL in the Test** In your test code, access the URL environment variable using process.env:

javascript

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const { test, expect } = require('@playwright/test');

test('Check spelling on webpage', async ({ page }) => {

const url = process.env.URL; // Get URL from environment variable

if (!url) throw new Error('URL not provided.');

await page.goto(url); // Navigate to the URL

console.log(`Navigated to: ${url}`);

// Your test logic here

});

**Method 2: Use Custom CLI Arguments**

1. **Run Playwright with a Custom Argument** Use the --project argument to pass additional data. Playwright doesn't natively parse arbitrary arguments, so you can pass arguments this way:

bash

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npx playwright test --project=url=https://example.com

1. **Access the Custom Argument in the Test** Modify your test to parse the argument:

javascript

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const { test, expect } = require('@playwright/test');

test('Check spelling on webpage', async ({ page }, testInfo) => {

const args = testInfo.project.name.split('='); // Parse the argument

const url = args[1];

if (!url) throw new Error('URL not provided.');

await page.goto(url); // Navigate to the URL

console.log(`Navigated to: ${url}`);

// Your test logic here

});

**Method 3: Use a Config File for Dynamic Arguments**

1. **Modify playwright.config.js** Add a custom CLI argument, like baseURL, and read it in the config file:

javascript

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const { defineConfig } = require('@playwright/test');

const baseURL = process.env.BASE\_URL || 'https://default.com';

module.exports = defineConfig({

use: {

baseURL,

},

});

1. **Run with a Custom Environment Variable** Use BASE\_URL to set the desired URL:

bash

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BASE\_URL=https://example.com npx playwright test

1. **Access baseURL in Your Test** Use baseURL provided in the use config:

javascript

Copy code

const { test, expect } = require('@playwright/test');

test('Check spelling on webpage', async ({ page, baseURL }) => {

if (!baseURL) throw new Error('Base URL not configured.');

await page.goto(baseURL); // Navigate to the URL

console.log(`Navigated to: ${baseURL}`);

// Your test logic here

});

**Preferred Approach**

* **For Simplicity**: Use **Method 1** (Environment Variables).
* **For Playwright Features**: Use **Method 3** (Dynamic Config).

Both approaches allow you to dynamically pass and use a URL in your Playwright tests seamlessly.