

Tags in Playwright to Group and Run Specific Tests

What are Tags in Playwright?

- In Playwright, **tags** help you group your tests logically.
 - By default, when you run your test file, **all the tests** will be executed.
 - But if you want to run **only a specific group of tests** (like smoke, regression, functional), you can use **tags**.
 - Tags also help you **exclude** certain tests during execution.
-

Why Use Tags?

- Run only the tests you want
 - Group similar tests together
 - Easily manage test execution
 - Avoid unnecessary test runs
-

How to Add Tags in Playwright?

When defining a test, you can add the tag **at the end of the test description** like this:

```
test('test1 @smoke', async ({ page }) => {
  console.log('test one smoke');
});
```

Example with 6 Tests

Let's say you have 6 tests with different tags:

```
test('test1 @smoke', async ({ page }) => {
  console.log('test one smoke');
});

test('test2 @reg', async ({ page }) => {
  console.log('test two regression');
});

test('test3 @reg', async ({ page }) => {
  console.log('test three regression');
});

test('test4 @smoke', async ({ page }) => {
  console.log('test four smoke');
```

```
});  
  
test('test5 @smoke @reg', async ({ page }) => {  
  console.log('test five smoke & regression');  
});  
  
test('test6 @functional', async ({ page }) => {  
  console.log('test six functional');  
});
```

How to Run Tagged Tests

Run all tests

```
npx playwright test tests/tags.spec.js --project=chromium --headed
```

Run only `@smoke` tests

```
npx playwright test tests/tags.spec.js --project=chromium --headed --grep  
@smoke
```

Run only `@reg` tests

```
npx playwright test tests/tags.spec.js --project=chromium --headed --grep  
@reg
```

Run tests tagged with both `@smoke` and `@reg`

```
npx playwright test tests/tags.spec.js --project=chromium --headed --grep  
"@smoke @reg"
```

How to Exclude Tagged Tests

✖ Exclude tests tagged with `@functional`

```
npx playwright test tests/tags.spec.js --project=chromium --headed --grep-  
invert @functional
```

This will run all tests **except** the ones tagged with `@functional`.

Tips for Using Tags

- Always **use `@` before the tag.**
- You can **add multiple tags** to a test.
- Use **--grep** to include specific tags.
- Use **--grep-invert** to exclude specific tags.