21. What is Playwright Inspector? And how to debug the playwright script

how to get locators directly from the playwright inspector ?

npx playwright test tests/UIBasics.spec.js –debug - playwright inspector will open ( double hyphen)

So basically this will help you to go step by step what's happening on your script.

Not only debug We can generate the selectors in the playwright Inspector -> explore -> click on the field -> css will get generatered you can use in the code

So there are two ways when you click on Explore in password, it will generate for you the custom CSS.

And if you have your own CSS and if you want to know if that is the right one, just like how you

did with selector plug in, you can also do with the playWright inspector.

22. Codegen tool to record & Playback with generated automation script

Codegen will help you record and playback

playwright also provides a feature where you can record your script, and playwright will automatically generate code for you.

So first you have to give the which website you want to automate so that one browser will open. And in that browser, what you want to automate everything you do flow manually on browser and parallel playWright will generate you the script.

npx playwright codegen <https://google.com> - give the url

23. Detailed view of Test Traces, HTML reports, logs & Screenshots for test results

 in your report, if you need a screenshot for every step what you perform, there is a way to do that.

So come to your configuration file. - screenshot : ‘on’,

So in your configuration file, if you set screenshot to on that will create a screenshot for every

step.

And there is another property called trace.

So if you want to collect that trace that what happened on each and every step execution with complete log, you can set this trace on. - trace : ‘on’,

So if you're on these two attributes, trace and screenshot and the reporter, you have selected html here. – reporter : ‘html’,

npx playwright test so it will just trigger all the tests present in that folder

So that way you will get detailed report of every automation step what you are performing.

Some log information which might help you to debug if something goes wrong.

Then you can read the trace logs and understand what's really breaking them.

In test results folder – every tests has there own file of traces

So if you have 100 test cases, then 100 folders will get generated in test-results

 what if you can get results only for failed test cases?

trace : ‘retain-on-failure’,

If you give this property, then the traces will get generated only if there is a failure.

If you're “on” it, no matter the test is passed, are fail for every test case. You will see the traces.

Download the trace zip file and upload [Playwright Trace Viewer](https://trace.playwright.dev/) here

( [Playwright Trace Viewer](https://trace.playwright.dev/))

reporter : ‘html’,

use : {

browserName : ‘chromium’,

headless : false,

screenshot : ‘on’,

trace : ‘retain-on-failure’,

}