82. How to generate HTML & Allure reporting for Playwright Framework tests

different type of reporting available with playwright?

In the playwright config file if you mention ( reporter : html ) you will get the html report

If you want that report go to the playwright-report folder and in that copy the path of the index.html paste it in browser you will see the report. this is how the HTML report is being generated for you.

Apart from the HTML Report, there is something called Allure reporting also that people prefer to use.

So there you will get some nice UI with pie charts and everything. You get it.

 if you want to use that Allure reporting, that's a third party plugin which does not come

by default when you use with the playwright.

Google(allure-playwirght) you will get the node package details.

Allure installation (npm i -D @playwright/test allure-playwright ) once you run this command allure is installed in your system.

(npx playwright test –grep @web –reporter=line,allure-playwright)

Line reporting(input) is something which will generate a report in a normal text format.

Like how many pass?, How many fail? Just like a stable reporting.

The reason why you need to generate is Allure will take this text format reporting and generate its own reports based upon what playwright provides here in line reporting.

Once the above command execution is done one folder is created automatically(allure-results)

From this folder we are generating a report. Once the report is generated, we are opening it.

(allure generate ./allure-results --clean)

(allure open ./allure-report)

83. How to create custom scripts to trigger the tests from package.json file

when you want to debug your test. So we came to package dot Json file. So this is basically another heart of this entire framework.

So there are actually two core files. Playwright configuration and package dot json file.

So you can drive the execution through package dot Json as well.

Like this you can create the custom scripts

In package dot json file

"scripts": {

    "regression" : "npx playwright test",

    "webTests" : "npx playwirght test --grep @Web",

    "API Tests" : "npx playwright test --grep @API",

"SafariNewConfig" : "npx playwright test --config playwright.config1.js --project=safari"

  },

You can run the command like : npm run regression

npm run webTests

84. Install & Configure Jenkins

Google (Jenkins download ) – click on generic java package(.war) – it should be downloaded and open command prompt go to the location (C:\Users\Hari.Sankar\Downloads)

( java -jar jenkins.war -httpPort=9090 ) once you run this you will see the started inialization then in bowser type(localhost:9090)

85. Integrate the Playwright framework with Jenkins and create parameterized job

create a new job here and see how to get that running.

Click on new item(playwrightFramework)select freestyle project – ok –

 first of all, you have to give the path where you are project is there.

General – select use custom workspace give your project path ( C:/Users/Hari.Sankar/Documents/Playwright/PLAYWRIGHTAUTOMATION)

so once you provide that workspace information, so basically you are Jenkins will go to the

spot where that project is present and from there it will execute the code.

Build ->select Execute windows batch command – enter ( npm run regression ) – save

If you click on Build now this will run same thing we are do in the playwright terminal.

can we dynamically tell which script we want to execute at runtime?

General – select This project is paramterized – choice parameter

Name : Script

Choices :

Regression

WebTests

APITests

SafariNewConfig

Build ->select Exceute windows batch command - (npm run ) – save

And once you add that parameterized choice It will turn to “Build with parameters” earlier it is build now right.

So whatever option you choose, that option will get stored in this variable(Script).

so this script variable now at runtime, we should call it here “npm run Script”

 if you just declare script like this, then Jenkins, it will treat it as a string to tell that

it is a Jenkins variable.You have to give like this  ( npm playwright “%Script%”).