Quality Assurance Approach :-

1) Before initiating the project i am doing the brainstorming with team members
2) Then after taking the overview of the project request for the baseline initiation document and based on that reviews the requirement
3) Request for the KT from colleagues as well as give the reverse KT about understanding of the systems.
4) By discussion and analyzing the project doing the automation feasibility analysis like - cost wise and tool selections wise, what can be automated or not , efforts and scope required of the project , time durations analysis

Test Planning :-

1) Review the documents like BRD/SRS/FRS/Scope document or listed user stories over JIra or Rally or TFS or Trello
2) After doing the discussion with the team lead or manager for preparation of the Test Plan for defining the overall approach of testing.
3) As i have selected for this task for Playwright with typescript based solution approach for tool selection as automating the end to end checkout scenarios as happy path flow as mentioned
4) Developed scripts with the help of Page Object Model based design pattern approach
5) Suite development time is given 1st priority to automate stable flow and those can be covered under the regression suites executions as well as smoke test point of view.

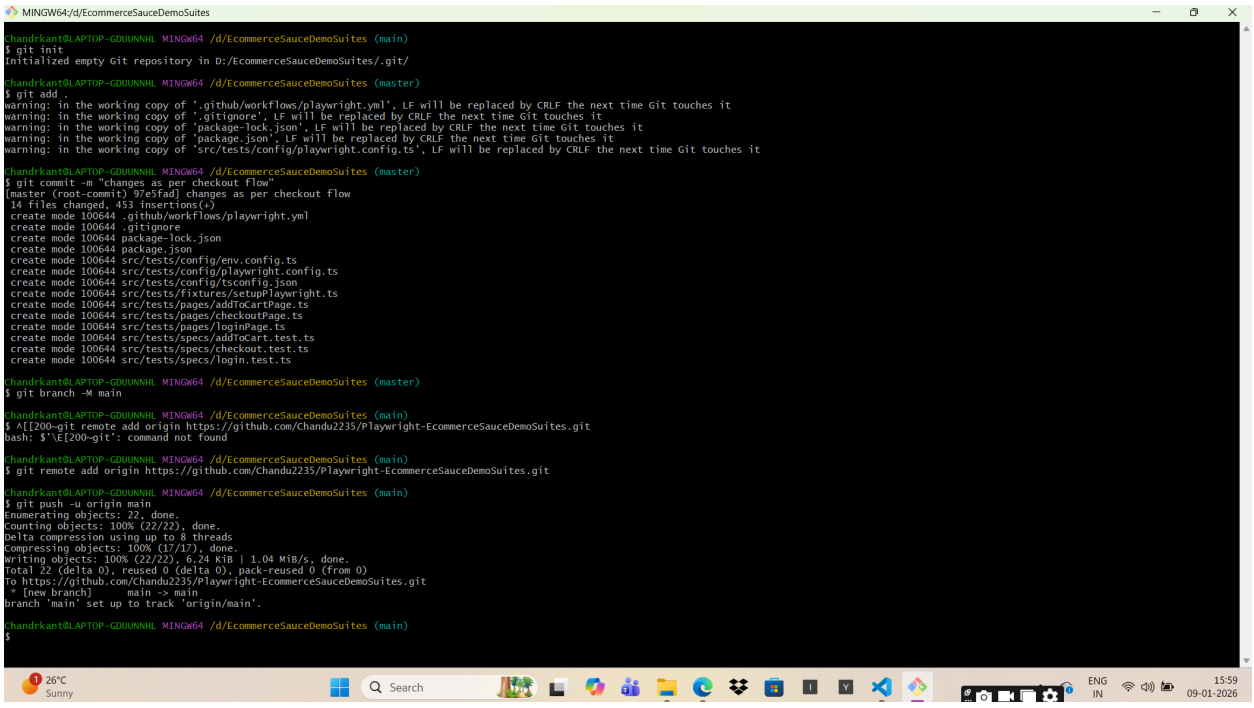
Edge Cases Identified in real world context :-

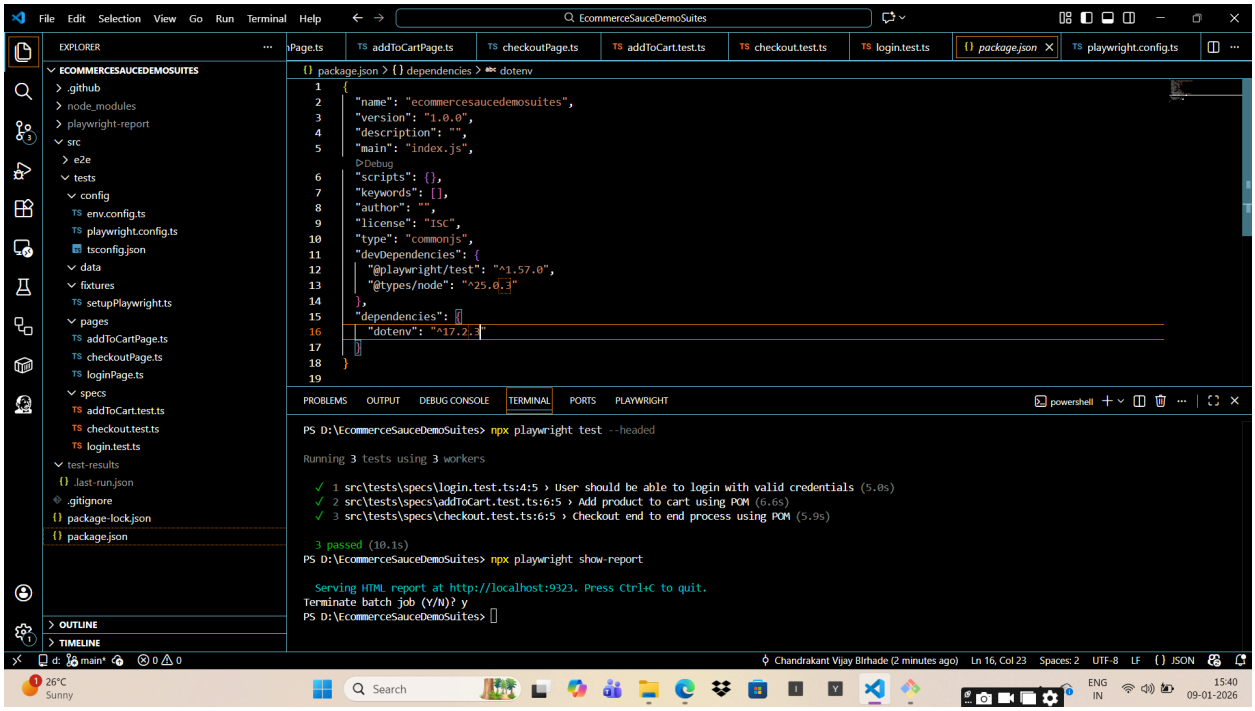
End to end happy path flow checkout process automation starting from login to adding the products into the cart and their count selections as well as by placing the order and validating till the thank you order confirmation page.

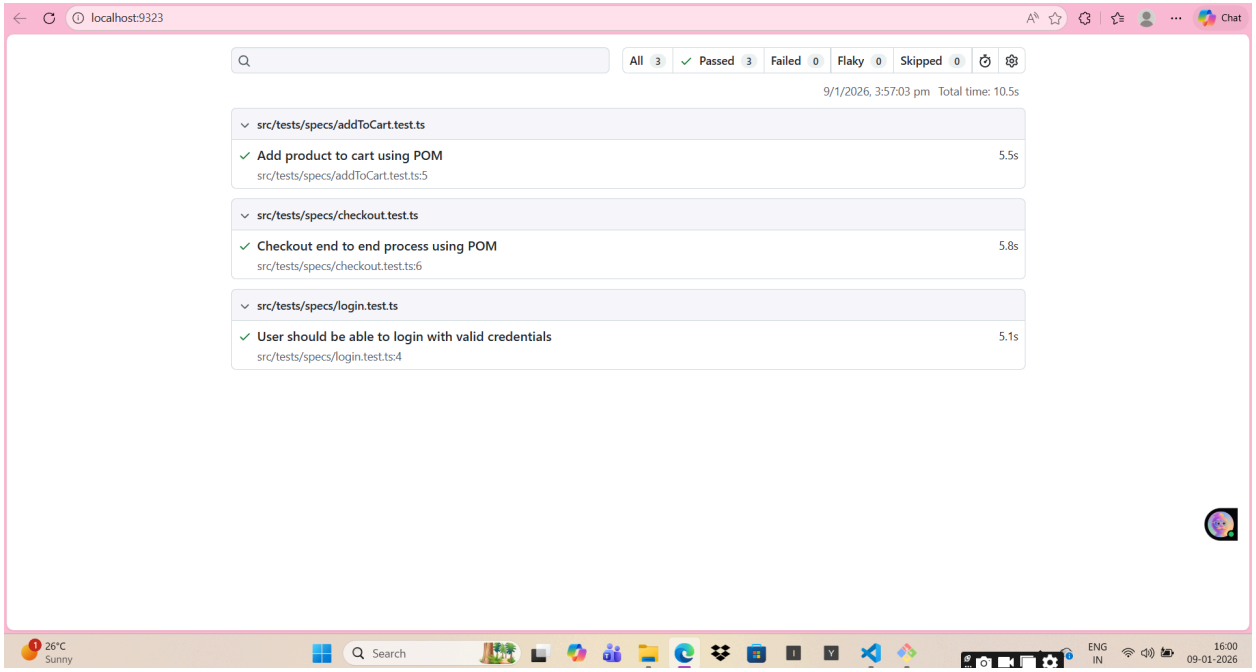
GitHub Link :-

Chandu2235/Playwright-EcommerceSauceDemoSuites

Execution :-


MINGW64:/d/EcommerceSauceDemoSuites
Chandrkant@LAPTOP-GDUUNNHL MINGW64 /d/EcommerceSauceDemoSuites (main)
$ git init
Initialized empty Git repository in D:/EcommerceSauceDemoSuites/.git/
Chandrkant@LAPTOP-GDUUNNHL MINGW64 /d/EcommerceSauceDemoSuites (master)
$ git add .
warning: in the working copy of '.github/workflows/playwright.yml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/tests/config/playwright.config.ts', LF will be replaced by CRLF the next time Git touches it
Chandrkant@LAPTOP-GDUUNNHL MINGW64 /d/EcommerceSauceDemoSuites (master)
$ git commit -m "changes as per checkout flow"
[master (root-commit) 97e5fad] changes as per checkout flow
14 files changed, 453 insertions(+)
create mode 100644 .github/workflows/playwright.yml
create mode 100644 .gitignore
create mode 100644 package-lock.json
create mode 100644 package.json
create mode 100644 src/tests/config/env.config.ts
create mode 100644 src/tests/config/playwright.config.ts
create mode 100644 src/tests/config/tsconfig.json
create mode 100644 src/tests/fixtures/setupPlaywright.ts
create mode 100644 src/tests/pages/addToCartPage.ts
create mode 100644 src/tests/pages/checkoutPage.ts
create mode 100644 src/tests/pages/loginPage.ts
create mode 100644 src/tests/specs/addToCart.test.ts
create mode 100644 src/tests/specs/checkout.test.ts
create mode 100644 src/tests/specs/login.test.ts
Chandrkant@LAPTOP-GDUUNNHL MINGW64 /d/EcommerceSauceDemoSuites (master)
$ git branch -M main
Chandrkant@LAPTOP-GDUUNNHL MINGW64 /d/EcommerceSauceDemoSuites (main)
$ A[[200~git remote add origin https://github.com/Chandu2235/Playwright-EcommerceSauceDemoSuites.git
bash: $'\E[200~git': command not found
Chandrkant@LAPTOP-GDUUNNHL MINGW64 /d/EcommerceSauceDemoSuites (main)
$ git remote add origin https://github.com/Chandu2235/Playwright-EcommerceSauceDemoSuites.git
Chandrkant@LAPTOP-GDUUNNHL MINGW64 /d/EcommerceSauceDemoSuites (main)
$ git push -u origin main
Enumerating objects: 22, done.
Counting objects: 100% (22/22), done.
Delta compression using up to 8 threads
Compressing objects: 100% (17/17), done.
Writing objects: 100% (22/22), 6.24 KiB | 1.04 MiB/s, done.
Total 22 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/Chandu2235/Playwright-EcommerceSauceDemoSuites.git
* [new branch] main -> main
branch 'main' set up to track 'origin/main'.
Chandrkant@LAPTOP-GDUUNNHL MINGW64 /d/EcommerceSauceDemoSuites (main)
$
26°C
Sunny
Search
ENG
IN
15:59
09-01-2026


File Edit Selection View Go Run Terminal Help
EcommerceSauceDemoSuites
EXPLORER
ECOMMERCESAUCEDEMOSUITES
.github
node_modules
playwright-report
src
e2e
tests
config
env.config.ts
playwright.config.ts
tsconfig.json
data
fixtures
setupPlaywright.ts
pages
addToCartPage.ts
checkoutPage.ts
loginPage.ts
specs
addToCart.test.ts
checkout.test.ts
login.test.ts
test-results
.last-run.json
.gitignore
package-lock.json
package.json
OUTLINE
TIMELINE
addToCartPage.ts
checkoutPage.ts
addToCart.test.ts
checkout.test.ts
login.test.ts
package.json
playwright.config.ts
{ } package.json > { } dependencies > dotenv
{
"name": "ecommercesaucedemosuites",
"version": "1.0.0",
"description": "",
"main": "index.js",
Debug
"scripts": {},
"keywords": [],
"author": "",
"license": "ISC",
"type": "commonjs",
"devDependencies": {
"@playwright/test": "^1.57.0",
"@types/node": "^25.0.3"
},
"dependencies": {
"dotenv": "^17.2.3"
}
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PLAYWRIGHT
powershell
PS D:\EcommerceSauceDemoSuites> npx playwright test --headed
Running 3 tests using 3 workers
✓ 1 src\tests\specs\login.test.ts:4:5 › User should be able to login with valid credentials (5.0s)
✓ 2 src\tests\specs\addToCart.test.ts:6:5 › Add product to cart using POM (6.6s)
✓ 3 src\tests\specs\checkout.test.ts:6:5 › Checkout end to end process using POM (5.9s)
3 passed (10.1s)
PS D:\EcommerceSauceDemoSuites> npx playwright show-report
Serving HTML report at http://localhost:9323. Press Ctrl+C to quit.
Terminate batch job (Y/N)? y
PS D:\EcommerceSauceDemoSuites>
d: main* 0 0
Chandrakant Vijay Birhade (2 minutes ago)
Ln 16, Col 23
Spaces: 2
UTF-8
LF
{ } JSON
26°C
Sunny
Search
ENG
IN
15:40
09-01-2026



Execution Commands :-

npx playwright test --headed

npx playwright show-report