Playwright + Pytest Automation Learning Tracker

Topics Covered So Far

1. Python basics for automation
2. Pytest fundamentals (test discovery, assertions, fixtures)
3. Playwright setup and browser/page lifecycle
4. Page Object Model (POM) design
5. BasePage abstraction
6. page.open(url) strategy from tests
7. CSS selectors and element interactions
8. Form handling (input, radio buttons, checkboxes)
9. Dropdown handling (select by label/value)
10. Mouse actions (right-click)
11. Table handling (rows, columns, data extraction)
12. Data-driven testing with pytest parametrization
13. Debugging common Playwright + pytest errors
14. Test execution, logs, and reports

Topics To Cover Next

1. Advanced Playwright selectors and locators
2. Wait strategies (explicit vs implicit waits)
3. Handling alerts, frames, and multiple tabs
4. File upload and download handling
5. API testing with Playwright
6. Screenshot and video capture on failure
7. Custom pytest fixtures and hooks
8. Parallel execution using pytest-xdist
9. CI/CD integration using GitHub Actions
10. Test tagging and selective execution
11. Performance basics and network interception
12. Interview-oriented Playwright automation questions

Goal

Build a production-ready Playwright automation framework suitable for real-world projects and interviews.