**Playwright Automation Testing from Scratch with Framework**

End to End Playwright tutorials on JavaScript &amp; TypeScript. UI Testing, API testing, Page Objects,Cucumber, CI/CD etc

**What you'll learn**

* Learn JavaScript fundamentals required for Playwright Automation testing
* Understand the Web Automation with Playwright on Live Applications
* Comprehensive knowledge on all Playwright Methods and their usage with examples
* Learn How to make API calls with in UI Automation tests to perform smart automation
* Understand how to Intercept Network/API requests & responses with Playwright
* Get Familiar with Playwright Inspector tool, Trace Viewer & Code Gen (Record Playback) tools
* Develop Playwright cucumber BDD Framework from Scratch with best practices
* Develop End to end Mocha Framework with Playwright utilizing all the features available in the tool
* Understand visual testing, mobile device emulation & test execution in CI/CD Docker container

**This course includes:**

* 19.5 hours on-demand video
* 3 coding exercises
* 18 articles
* 4 downloadable resources
* Access on mobile and TV
* Certificate of completion

**Requirements**

* No Programming experience required. JavaScript basics are fully taught in the course in a dedicated section

**Description**

\*\*Course last updated on Nov 3rd 2024 with Coding Interview exercises\*\*

**Welcome to the comprehensive Playwright course that covers everything from the basics to frameworks, including JavaScript fundamentals without need of any prior JavaScript experience.**

**This course is entirely practical. We will use a fully functional e-commerce application for testing and learn how to automate every scenario of the application, including dynamic components often used in modern React and Angular applications.**

**We will also explore how to perform API testing to create data within the application using Playwright.**

**The course will show you how to conduct end-to-end functional testing, which includes both UI testing and API testing in a single script. This script creates data, tests scenarios, and deletes the data.**

**Advanced topics are discussed, such as grabbing session cookies using APIs and responses to bypass the UI login screen for faster and more reliable execution.**

**Everything is possible with Playwright, and this course demonstrates a systematic way to handle complex e-commerce applications with strategically designed automated test cases.**

**The course covers two powerful frameworks for designing test cases:**

1. Playwright Cucumber BDD Framework
2. Playwright with Mocha

**These two frameworks are built on top of page object design patterned tests, which take data from external sources and use custom utility methods to produce outstanding HTML reports.**

**Finally, the complete framework will be integrated with CI/CD Jenkins and use Docker containers to run the tests.**

**It's important to note that Playwright has powerful logging capabilities, including screenshots, videos, and built-in features called Playwright Inspector and Traces for a detailed view of post-execution. These features are demonstrated with live demos throughout the course.**

**In conclusion, this course is a one-stop shop for you to become a Playwright hero and take charge of modern, full end-to-end test automation.**

**Note** : We are using JavaScript language binding to build Playwright Automation tests. (Js is mainly picked language for Playwright)  
For Beginners, there is 3 hours Javascript video in the last section of this course which covers all JS basics from Scratch including coding Assignments and quizzes which prepares candidates for Interviews.

**Course Structure Breakdown:**

* **Playwright Web/UI Automation (50%)** - Master core Playwright concepts for comprehensive UI automation.
* **Mixed Web & API Testing with Network Mocking (25%)** - Expand your skills by combining UI and API testing with network mocking capabilities.
* **Playwright Advanced Framework Features (25%)** - Dive deep into advanced Playwright frameworks for optimal test design.
* **Optional: JavaScript Basics for Beginners (3 hrs)** - Build a solid JavaScript foundation for confident Playwright exploration.

**Become a Playwright hero and embrace the future of end-to-end test automation. Enroll today!**

**Who this course is for:**

* Automation testers
* QA
* Developers