

## Playwright Test Automation Course Contents

#### 1. Introduction to Playwright

- What is playwright?
- Playwright vs selenium
- Advantages of Playwright

#### 2. GETTING START WITH PLAYWRIGHT

- Maven setup
- Adding Playwright Dependencies

#### **3. INTERACTING WITH BROWSER**

• Launching Chrome, firefox, Edge

#### 4. LOCATORS IN PLAYWRIGHT

- CSS
- XPATH

#### **5. EXPLORING WEB ELEMENTS**

- Edit box
- Link
- Button
- Checkbox
- Radio Button
- Drop Down Box
- Capture Screenshots
- Handling Web tables
- Assertions

# 6. HANDLING FRAMES, ALERTS, POPUP WINDOWS and SYNCHRONIZATION

- Handling iFrames
- Handling multiple tabs
- Handling pop ups
- Handling Alerts
- File upload and Download
- Handling Synchronization

#### 7. Handling User Actions

- Handling MouseOver Menu
- Handling Slider
- Handling Drag and Drop
- Handling Keyboard Event

- Capturing Screenshot, Videos and Trace Viewer
- Capturing Screenshot
- Capturing Videos
- Capturing Trace Viewer
- How to save session storage using Playwright and inject into new Browser and do execution from previous session

#### **8. API**

- API Calls(GET, PUT, POST Methods) using Playwright and grab response
- Parsing API Response
- Execution with mix of API and Browser Combination in Play Wright

#### 9. DATA DRIVEN FRAMEWORK

- Interacting with Database
- Interacting with XML
- Interacting with Excel
- Interacting with JSON

#### **10. TEST EXECUTION**

- Configuration file setup for Execution
- Sequence Execution, Parllel Execution, Batch/Group Execution
- Mobile device view execution

#### **11. REPORTING**

Allure Reporting

#### **12. CUCUMBER FRAMEWORK**

- Cucumber & Behaviour Driven Development
- Gherkin- Business Driven Development
- Cucumber BDD For Testing
- Configure Cucumber with Playwright
- Gherkin Keywords
- Step Definitions
- Cucumber Options
- Parameterization in Cucumber
- Data Driven Testing
- Tags
- Hooks
- Execution Order of Hooks
- Background Keyword

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#### **13. PAGE OBJECT MODEL DESIGN PATTERN**

- Why Page Object Model & When it will be effective
- POM Design Rules
- POM Implementation of Rules
- Implementation of test case using POM Framework

#### **14. JAVASCRIPT FUNDAMENTALS**

- Declaring Variables in Java Script
- Data types in JavaScript
- Loops and Conditional Statements
- Logical Operators
- Arrays and Methods with Detailed Examples
- Functions in Java script
- Understanding Var, let, Const keywords in Java Script
- String and its related Functions with Examples
- Java script Objects
- Inheritance
- Classes and its properties, methods in Java script