Playwright + TypeScript Interview Questions (Beginner to Advanced)

Compiled by Sai Kiran

1. Playwright Basics

1. What is Playwright?
2. Who developed Playwright?
3. What languages does Playwright support?
4. How is Playwright different from Selenium?
5. What browsers does Playwright support?
6. What is Playwright test runner?
7. Can Playwright be used with TypeScript?
8. How to install Playwright in a TypeScript project?
9. How to launch a browser using Playwright?
10. What are the main features of Playwright?

2. Playwright Locators

1. What is a locator in Playwright?
2. How does Playwright handle element selection?
3. Explain difference between locator() and page.$()
4. How to find elements using text in Playwright?
5. How to locate elements using CSS and XPath?
6. How does Playwright handle dynamic elements?
7. What is getByRole() and getByText()?
8. How to handle multiple matching elements?
9. What is auto-waiting in Playwright locators?
10. Explain nth() locator usage with example.

3. Playwright with TypeScript

1. How to set up Playwright with TypeScript?
2. What is tsconfig.json used for in Playwright projects?
3. How to use async/await in Playwright tests?
4. How to create a Page Object Model in TypeScript?
5. How to import and export modules in TypeScript Playwright project?
6. How to add types for custom commands?

7. How to configure ESLint or Prettier for TypeScript Playwright tests?

8. What are benefits of using TypeScript over JavaScript in Playwright?

9. How do you declare global variables in Playwright TypeScript tests?

10. How to handle errors and exceptions in TypeScript Playwright code?

4. Assertions & Validations

1. What are assertions in Playwright?

2. Which assertion library is used by default in Playwright Test?

3. How to assert visibility of elements?

4. How to validate element text?

5. How to check element attributes or CSS values?

6. How to use soft assertions in Playwright?

7. How to verify network requests or responses?

8. How to assert page title or URL?

9. How to handle retries in Playwright assertions?

10. Explain expect.poll() usage.

5. Waits & Synchronization

1. How does Playwright handle waits automatically?

2. What is auto-waiting mechanism in Playwright?

3. How to use page.waitForSelector()?

4. Difference between waitForLoadState() and waitForSelector()?

5. What are different load states supported by Playwright?

6. How to handle AJAX calls or dynamic content?

7. How to wait for network idle state?

8. How to handle slow rendering pages?

9. How to increase default timeout?

10. How to handle flaky tests due to timing issues?

6. Browser Context & Pages

1. What is a browser context in Playwright?

2. Difference between browser and browser context?

3. How to open multiple tabs or pages?

4. How to create isolated sessions using contexts?

5. How to emulate mobile devices or geolocation?

6. How to handle incognito mode?

7. How to handle multiple windows in Playwright?

8. How to capture console logs?

9. How to record and replay tests?

10. How to close browser context safely?

7. Playwright Fixtures & Test Hooks

1. What are fixtures in Playwright Test?

2. How to create custom fixtures?

3. What are beforeAll and afterAll hooks?

4. How to use beforeEach and afterEach in Playwright?

5. How to share setup across tests?

6. What is test.use() used for?

7. How to run setup once per test suite?

8. How to initialize browser in a fixture?

9. What is the difference between worker and test fixtures?

10. How to handle test retries in fixtures?

8. Playwright Reporting & CI/CD

1. How to generate test reports in Playwright?

2. What reporting formats are supported?

3. How to integrate Playwright with Jenkins or GitHub Actions?

4. How to capture screenshots on failure?

5. How to record video for failed tests?

6. How to use trace viewer in Playwright?

7. How to publish test reports in CI/CD?

8. How to handle environment-specific configurations?

9. How to set up parallel execution in CI?

10. How to store Playwright artifacts securely in CI?

9. Advanced Concepts

1. How to handle authentication in Playwright?

2. How to save and reuse authentication state?

3. How to mock network requests in Playwright?

4. How to intercept API calls?

5. How to perform file upload in Playwright?

6. How to handle file downloads?

7. What is Playwright Inspector?

8. How to debug failed Playwright tests?

9. How to run tests headless and headed mode?

10. How to handle permissions like notifications or camera?

10. Real-Time Scenarios

1. How to validate dynamic tables using Playwright?

2. How to verify broken links?

3. How to perform visual testing with Playwright?

4. How to test multilingual/localized applications?

5. How to integrate Playwright with API testing?

6. How to run Playwright tests in Docker?

7. How to test iframes?

8. How to handle pop-ups or dialogs?

9. How to handle Shadow DOM elements?

10. How to implement data-driven testing using Playwright and TypeScript?