

Documentation: How to Run Playwright Tests

1. Prerequisites

- Make sure you have the following installed on your machine:
 - **Node.js** (version 14 or higher).
 - **npm** (usually included with Node.js).
 - **Playwright**: If not already installed, you can do so with the command:
npm install @playwright/test

2. Clone the Project

- If the project is hosted in a Git repository, clone it:
git clone <repository_url>
cd <project_folder_name>

3. Install Dependencies

- Install the required dependencies:
npm install

4. Playwright Configuration

- Verify that the playwright.config.ts file contains the necessary configurations, such as headless: true and the browsers (chromium, firefox, webkit).

5. Commands to Run Tests

- To run **all tests**:
npx playwright test
- To run a **specific test file**:
npx playwright test <specific_file_name>.spec.ts
- To run tests on a specific browser (e.g., chromium):
npx playwright test --project=Chromium
- To run tests **in parallel** (if configured):

`npx playwright test --parallel`

- To repeat a test multiple times to check for flakiness (**anti-flaky tests**):

`npx playwright test --repeat-each 10`

6. View Reports

- After execution, a **HTML report** is automatically generated. Open it in a browser to view the results:

`npx playwright show-report`

7. Debug Tests (Optional)

- To run tests with a visible browser window (**headful mode**):

`npx playwright test --headed`

8. Test Documentation

- Each test and its purpose is documented within the `.spec.ts` files. Check the files in the tests folder for more details.