

# Playwright Automation Framework - Project Showcase

## 1. Introduction

This document describes the Playwright automation framework designed using TypeScript. The framework supports cross-browser execution, retry mechanism, Allure reporting integration, and structured test implementation.

## 2. Project Structure

```
playwright_project/  
  01_list_your_property.spec.ts  
  02_login_failure.spec.ts  
  FolderStructure.png  
  package.json  
  playwright.config.ts
```

## 3. Key Features

- Cross-browser support (Chromium, Firefox, Webkit, Google Chrome)
- Retry mechanism for failed test cases
- Allure Reporting integration
- Playwright HTML reporting
- Structured test case naming convention
- Automated validation of login failure scenarios
- Property listing workflow automation

## 4. Execution Commands

```
Run all tests:  
npx playwright test
```

```
Run on Chrome:  
npx playwright test --project="Google Chrome"
```

```
Generate Allure Report:  
allure generate allure-results --clean -o allure-report  
allure open allure-report
```

## 5. Conclusion

This Playwright automation framework demonstrates practical implementation of real-world test scenarios including login validation and property listing workflow. The project showcases modern QA automation practices including retry strategies and rich reporting capabilities.