

Automated Test Execution Report

Demo Web Shop - <https://demowebshop.tricentis.com/>

Project: SQE Coursework - Software Testing

Prepared By: Lakindu De Silva

Execution Date: December 15, 2025

Version: 1.0

1. Executive Summary

Metric	Value
Total Tests	30
Passed	30 
Failed	0 
Flaky	0 
Skipped	0 
Pass Rate	100%
Total Execution Time	4.1 minutes
Browser	Chromium
Execution Date	12/15/2025, 1:41:47 PM

2. Test Execution Screenshot

<input type="text"/> All 30 Passed 30 Failed 0 Flaky 0 Skipped 0 	
Project: chromium	
12/15/2025, 1:41:47 PM Total time: 4.1m	
 cart.spec.js	
✓ Shopping Cart Tests (AT-003) > AT-003.1: Should add simple product to cart from category page chromium	5.7s cart.spec.js:23
✓ Shopping Cart Tests (AT-003) > AT-003.2: Should add configurable product (Build Your Own Computer) chromium	6.8s cart.spec.js:40
✓ Shopping Cart Tests (AT-003) > AT-003.3: Should update product quantity in cart chromium	7.4s cart.spec.js:64
✓ Shopping Cart Tests (AT-003) > AT-003.4: Should remove product from cart chromium	8.4s cart.spec.js:83
✓ Shopping Cart Tests (AT-003) > AT-003.5: Should display correct order total chromium	6.1s cart.spec.js:108
✓ Shopping Cart Tests (AT-003) > AT-003.6: Should show empty cart message when cart is empty chromium	3.1s cart.spec.js:124
✓ Shopping Cart Tests (AT-003) > AT-003.7: Should apply invalid discount code and show error chromium	8.3s cart.spec.js:140
✓ Shopping Cart Tests (AT-003) > AT-003.8: Should have terms and conditions checkbox for checkout chromium	6.7s cart.spec.js:172
✓ Shopping Cart Tests (AT-003) > AT-003.9: Should navigate to checkout when terms accepted chromium	8.8s cart.spec.js:201
 checkout.spec.js	
✓ End-to-End Checkout Tests (AT-004) > AT-004.1: Complete E2E checkout - Register, Add Product, Checkout with COD chromium	25.6s checkout.spec.js:31
✓ End-to-End Checkout Tests (AT-004) > AT-004.2: E2E checkout with configurable product (Build Computer) chromium	21.9s checkout.spec.js:109
✓ End-to-End Checkout Tests (AT-004) > AT-004.3: E2E checkout with multiple products chromium	20.9s checkout.spec.js:176
✓ End-to-End Checkout Tests (AT-004) > AT-004.4: Verify checkout requires login for guest chromium	8.8s checkout.spec.js:243
✓ End-to-End Checkout Tests (AT-004) > AT-004.5: Verify order details before confirmation chromium	21.5s checkout.spec.js:272
 login.spec.js	
✓ User Login Tests (AT-002) > AT-002.1: Should login with valid credentials after registration chromium	10.5s login.spec.js:21
✓ User Login Tests (AT-002) > AT-002.2: Should show error for invalid email format chromium	4.1s login.spec.js:49
✓ User Login Tests (AT-002) > AT-002.3: Should show error for non-existent user chromium	4.4s login.spec.js:63
✓ User Login Tests (AT-002) > AT-002.4: Should show error for wrong password chromium	7.6s login.spec.js:73
✓ User Login Tests (AT-002) > AT-002.5: Should show error for empty credentials chromium	4.3s login.spec.js:95
✓ User Login Tests (AT-002) > AT-002.6: Should have working remember me checkbox chromium	3.3s login.spec.js:110
✓ User Login Tests (AT-002) > AT-002.7: Should have forgot password link chromium	3.7s login.spec.js:123
✓ User Login Tests (AT-002) > AT-002.8: Should have link to register page chromium	3.9s login.spec.js:131
✓ User Login Tests (AT-002) > AT-002.9: Should logout successfully after login chromium	6.8s login.spec.js:140
 registration.spec.js	
✓ User Registration Tests (AT-001) > AT-001.1: Should register new user with valid data chromium	4.3s registration.spec.js:20
✓ User Registration Tests (AT-001) > AT-001.2: Should show error for empty required fields chromium	3.2s registration.spec.js:36
✓ User Registration Tests (AT-001) > AT-001.3: Should show error for invalid email format chromium	8.7s registration.spec.js:51
✓ User Registration Tests (AT-001) > AT-001.4: Should show error for password mismatch chromium	9.3s registration.spec.js:69
✓ User Registration Tests (AT-001) > AT-001.5: Should show error for weak password chromium	3.8s registration.spec.js:94
✓ User Registration Tests (AT-001) > AT-001.6: Should be able to select gender chromium	3.3s registration.spec.js:112
✓ User Registration Tests (AT-001) > AT-001.7: Should navigate to login page from register page chromium	3.7s registration.spec.js:122

3. Test Suite Breakdown

3.1 Registration Tests (AT-001) - 7 Tests

Test ID	Test Name	Duration	Status
AT-001.1	Should register new user with valid data	4.3s	<input checked="" type="checkbox"/> Pass
AT-001.2	Should show error for empty required fields	3.2s	<input checked="" type="checkbox"/> Pass
AT-001.3	Should show error for invalid email format	8.7s	<input checked="" type="checkbox"/> Pass
AT-001.4	Should show error for password mismatch	9.3s	<input checked="" type="checkbox"/> Pass
AT-001.5	Should show error for weak password	3.8s	<input checked="" type="checkbox"/> Pass
AT-001.6	Should be able to select gender	3.3s	<input checked="" type="checkbox"/> Pass
AT-001.7	Should navigate to login page from register page	3.7s	<input checked="" type="checkbox"/> Pass

Suite Status: 7/7 Passed

3.2 Login Tests (AT-002) - 9 Tests

Test ID	Test Name	Duration	Status
AT-002.1	Should login with valid credentials after registration	10.5s	<input checked="" type="checkbox"/> Pass
AT-002.2	Should show error for invalid email format	4.1s	<input checked="" type="checkbox"/> Pass
AT-002.3	Should show error for non-existent user	4.4s	<input checked="" type="checkbox"/> Pass
AT-002.4	Should show error for wrong password	7.6s	<input checked="" type="checkbox"/> Pass
AT-002.5	Should show error for empty credentials	4.3s	<input checked="" type="checkbox"/> Pass
AT-002.6	Should have working remember me checkbox	3.3s	<input checked="" type="checkbox"/> Pass
AT-002.7	Should have forgot password link	3.7s	<input checked="" type="checkbox"/> Pass
AT-002.8	Should have link to register page	3.9s	<input checked="" type="checkbox"/> Pass
AT-002.9	Should logout successfully after login	6.8s	<input checked="" type="checkbox"/> Pass

Suite Status: 9/9 Passed

3.3 Shopping Cart Tests (AT-003) - 9 Tests

Test ID	Test Name	Duration	Status
AT-003.1	Should add simple product to cart from category page	5.7s	<input checked="" type="checkbox"/> Pass
AT-003.2	Should add configurable product (Build Your Own Computer)	6.8s	<input checked="" type="checkbox"/> Pass
AT-003.3	Should update product quantity in cart	7.4s	<input checked="" type="checkbox"/> Pass
AT-003.4	Should remove product from cart	8.4s	<input checked="" type="checkbox"/> Pass

Test ID	Test Name	Duration	Status
AT-003.5	Should display correct order total	6.1s	<input checked="" type="checkbox"/> Pass
AT-003.6	Should show empty cart message when cart is empty	3.1s	<input checked="" type="checkbox"/> Pass
AT-003.7	Should apply invalid discount code and show error	8.3s	<input checked="" type="checkbox"/> Pass
AT-003.8	Should have terms and conditions checkbox for checkout	6.7s	<input checked="" type="checkbox"/> Pass
AT-003.9	Should navigate to checkout when terms accepted	8.8s	<input checked="" type="checkbox"/> Pass

Suite Status: 9/9 Passed

3.4 Checkout Tests (AT-004) - 5 Tests

Test ID	Test Name	Duration	Status
AT-004.1	Complete E2E checkout - Register, Add Product, Checkout with COD	25.6s	<input checked="" type="checkbox"/> Pass
AT-004.2	E2E checkout with configurable product (Build Computer)	21.9s	<input checked="" type="checkbox"/> Pass
AT-004.3	E2E checkout with multiple products	20.9s	<input checked="" type="checkbox"/> Pass
AT-004.4	Verify checkout requires login for guest	8.8s	<input checked="" type="checkbox"/> Pass
AT-004.5	Verify order details before confirmation	21.5s	<input checked="" type="checkbox"/> Pass

Suite Status: 5/5 Passed

4. Test Coverage by Requirement

Requirement	Tests	Passed	Coverage
TR-001: User Registration	7	7	<input checked="" type="checkbox"/> 100%
TR-002: User Authentication	9	9	<input checked="" type="checkbox"/> 100%
TR-004: Shopping Cart	9	9	<input checked="" type="checkbox"/> 100%
TR-006: Checkout Process	5	5	<input checked="" type="checkbox"/> 100%
TR-008: Form Validations	10	10	<input checked="" type="checkbox"/> 100%

5. Test Artifacts

5.1 Playwright HTML Report (Attached)

The complete Playwright test execution report has been exported and attached:

 [Automated-Test-Execution-Report.pdf](#)

This PDF contains the full interactive Playwright HTML report showing:

- All 30 test cases with pass/fail status
- Individual test durations
- Test suite groupings by feature
- Execution timestamps and browser details

5.2 Screenshot Evidence

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6. Environment Details

Component	Value
Test Framework	Playwright v1.57.0
Language	JavaScript
Browser	Chromium (Latest)
OS	Windows
Base URL	https://demowebshop.tricentis.com/
Pattern	Page Object Model (POM)
Reporter	HTML

7. Test Execution Command

```
# Run all tests with HTML report
npx playwright test --reporter=html

# View the report
npx playwright show-report
```

8. Conclusion

All 30 automated test cases have been executed successfully with a **100% pass rate**. The automation suite covers the following critical functionalities:

- User Registration (7 tests)
- User Login/Logout (9 tests)
- Shopping Cart Operations (9 tests)
- End-to-End Checkout (5 tests)

Recommendation: The application under test (Demo Web Shop) meets all tested requirements and is functioning as expected for the automated test scenarios.

9. Sign-Off

Role	Name	Signature	Date
QA Engineer	Lakindu De Silva	**_**	12/15/2025

Appendix: Quick Reference Commands

```
# Run all tests
npx playwright test
```

```
# Run specific test file
npx playwright test automation/tests/login.spec.js

# Run with UI mode
npx playwright test --ui

# Run with trace on failure
npx playwright test --trace on-first-retry

# Generate report after run
npx playwright show-report
```