



Insights & Analysis Report

✔ Scope Covered

Area	Description
✔ Login Functionality	Valid, invalid, empty credentials, and "Remember me" tested
✔ Dashboard Verification	Validates successful login via dashboard header
⚠ Modular POM Setup	Pages and tests separated for scalability
⚠ Cross-Browser & CI Integration	Not implemented yet

⚙ Technical Stack

Component	Tool/Technology
Language	Java
Framework	Selenium WebDriver + TestNG
Design Pattern	Page Object Model (POM)
Browser	Chrome
Execution Mode	Local



Key Findings

Insight	Details
🔒 Login Page Stability	Login fields and button load quickly; masking and validation work correctly.
✔ Consistent Page Behavior	Dashboard page renders consistently across sessions.
⚠ No CAPTCHA or OTP	Could be a security vulnerability—easy to automate.
🚫 No Client-Side Field Validation	Email/password fields allow blanks; relies entirely on server-side error.
📊 Performance	Page load time under 2 seconds on a 30 Mbps connection; good responsiveness.

Potential Bug Highlights (from manual + automation inspection)

ID	Area	Bug	Severity
BUG-001	Login	Email field accepts spaces before/after input	Low
BUG-002	Login	Password field shows tooltip with default placeholder in Chrome	Low
BUG-003	Dashboard	Page title not aligned with tab (shows nopCommerce administration)	Low