BDD Framework Analysis Report

Project: Team02_SeleniumNinjas

Overall Score: 59/100

Feature Files Analysis

Metric	Value
Count	20
Quality Score	66/100
Issues	• Missing Feature description in 02_Home.feature • Consider using Background for common steps in 06_Logout.feature • Missing tags on 38 scenarios (Adding tags improves readability and filtering) • Missing 34% in Feature Files score due to: • • Missing scenario tags (-10 points): Add descriptive tags to all scenarios • • Missing Background sections (-5 points): Use Background for common steps • • Missing Feature descriptions (-5 points): Add clear Feature descriptions

Step Definitions Analysis

Metric	Value
Count	19
Quality Score	66/100
Issues	• Too many step definitions in LoginPageSteps.java, consider refactoring

Framework Structure

Component	Status
Page Objects	N/A
Test Data	N/A

Config Files	N/A

Selenium Implementation

Wait Strategy	0%
Explicit Waits	✗ Missing
Custom Wait Conditions	✗ Missing
Screenshot Capability	✗ Missing
WebDriver Management	✗ Missing
Actions Class Usage	✗ Missing
JavaScript Executor	✗ Missing

Browser Execution Analysis

Browser Compatibility	0%
Grid Support	Missing
Parallel Execution	Missing
Retry Mechanism	Missing

Test Coverage Analysis

Step definitions to features ratio: 0.95

Coverage Loss Details:

Missing 34% in Test Coverage due to:
• Feature files quality issues (-24%): Missing tags, examples, or proper descriptions
• Step definitions quality issues (-24%): Limited parameterization or too many steps in single files
• Low scenario quality (-35%): Feature scenarios lack proper structure or clarity

Recommendations

No specific recommendations at this time.

Team02 Project Analysis

Project Structure:

- Maven-based Selenium test automation project
- TestNG configuration present
- Organized in standard Maven directory layout

Implementation Details:

- Step definitions located in stepDefinitions folder
- Uses TestNG for test execution framework
- Selenium WebDriver implementation found