Swag Labs

**Testing scoop**

1. Loging in
2. Sort products
3. Menu Icon
4. Adding products to cart
5. Remove products
6. Viewing product details
7. Back to product page
8. Cart
9. Continue shopping
10. Checkout
11. Personal data
12. Finish shopping

**Testing types**

Manual testing 20h

Performance testing 10h

•Jira

Security testing 10h

•JMeter

Automation testing 30h

•Postman

•Selenium

Mobile App testing 10h

**Test Roles**

Manual, Mobile App ,API ,Security ,Performance ,Automation

**Risks**

Personal risk : one of the team members is off for some days, someone is infected

Environment risk : Devices damage, license Expired

Project risk : server has been crashed

**SWAJ Labs - Test Plan: KPI Section**

This section outlines the Key Performance Indicators (KPIs) used to evaluate the effectiveness and efficiency of the testing process for the SWAJ Labs project.

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| --- | --- | --- |
| KPI | Description | Target/Goal |
| Bug Detection Rate | The percentage of bugs found compared to test cases executed. | 90% or higher |
| Test Coverage % | The percentage of requirements covered by test cases. | At least 85% |
| API Response Time | Average response time for API requests. | Less than 2 seconds per request |
| Test Execution Time | Time taken to execute all test cases. | Less than 1 hour for regression tests |
| Automation Coverage | Percentage of test cases automated. | 60–70% depending on feasibility |
| Defect Fix Time | Time from defect logging to resolution. | Within 24–48 hours |

**Test Activities**

**Manual testing**

Test Suites: Test suites will be prepared for manual testing, covering all major functionalities.

Test Cases: Detailed test cases will be documented for manual testing.

Bug Reports: Bug reports will be submitted via the website for any identified issues during testing.

Test Coverage: The percentage of test coverage for manual testing will be evaluated.

**Automation testing**

Automation scripts: Automation scripts will be designed and implemented for selected tests.

Test Suites: Test suites will be prepared for automation testing, covering all major functionalities.

Bug Reports: Bug reports will be submitted via the website for any identified issues during testing.

Test Coverage: The percentage of test coverage for manual testing will be evaluated.

**Performance testing**

Test Suites: Test suites will be prepared for performance testing, covering all major functionalities.

Test Cases: Detailed test cases will be documented for performance testing.

Bug Reports: Bug reports will be submitted via the website for any identified issues during testing.

Test Coverage: The percentage of test coverage for performance testing will be evaluated.

**Security testing**

Test Suites: Test suites will be prepared for security testing, covering all major functionalities.

Test Cases: Detailed test cases will be documented for security testing.

Bug Reports: Bug reports will be submitted via the website for any identified issues during testing.

Test Coverage: The percentage of test coverage for security testing will be evaluated.

Checklist: A checklist will be prepared and maintained for review.