

Software Quality Assurance (SQA) Proposal

For : <https://www.saucedemo.com/v1/>
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1. Introduction

This Software Quality Assurance (SQA) proposal outlines the approach, scope, and deliverables for testing the SWAG LAB (Dummy E-commerce Website). The aim is to ensure the system is reliable, user-friendly, and meets the defined business requirements.

2. Objectives

- Validate all core functionalities of the e-commerce platform.
- Identify and report defects in the test life cycle.
- Enhance the overall quality and user experience of the platform.

3. Scope of Testing

- User login
- Product browsing and search functionality
- Shopping cart and checkout process

4. Testing Strategy

- Manual testing of UI, workflows, and forms
- API testing for backend services using **Postman**
- Automation for critical regression cases **selenium**
- Responsive testing using browser developer tools
- performance testing using **JMeter**

5. Deliverables

- Test Plan Document
- Test Cases and Scenarios
- Bug/Defect Reports with screenshots
- Test Execution Reports
- Final QA Summary Report

6. Timeline and Milestones

- Week 1: Requirement review and test planning
- Week 2–3: Test case design and test environment setup
- Week 4–5: Test execution, bug reporting, and re-testing
- Week 6: Final test summary and closure activities

8. Acceptance Criteria

- All high and critical priority test cases must pass
- No open critical or high-severity defects
- Final test summary must be approved by the client or stakeholder

9. Conclusion

This SQA proposal provides a structured and reliable approach to ensuring the quality of the e-commerce website. By doing so, it offers real-world experience in working on an industry-relevant web project.