

# Agile QA Test Plan #2

## Feature - Core Functionality

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### Objective

To ensure that [www.demoblaze.com](http://www.demoblaze.com) meets the quality standards and requirements of stakeholders by conducting thorough & effective testing

### Scope

This test plan covers the testing of the following user stories:

- **User Story #1:** As a registered user, I want to be able to log in to my account so that I can access my account information and purchase history.
- **User Story #2:** As a customer, I want to be able to browse products and add them to my cart so that I can purchase them.
- **User Story #3:** As a customer, I want to be able to complete the checkout process and submit payment information so that I can finalize my purchase.

### Test Approach

The testing will be conducted using a combination of manual and automated testing methods, including:

- Functional testing to ensure that the user stories work as intended
- Performance testing to ensure that the site can handle high user traffic and perform optimally under load
- Security testing to ensure that user data is protected and the site is not vulnerable to attacks

Defects will be tracked and reported using the project management tool Jira.

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## Test Environment

The testing will be conducted in the following environments:

- Local development environment with Virtual Machine & Cloud Servers
- Software QA Testing Environment with dedicated QA Server for testers
- Development and Production Environment for Release Builds

Defects will be tracked and reported using the project management tool Jira.

## Test Data

The following test data will be used during testing:

- Valid user credentials for a test account
- Invalid user credentials for a test account
- Test product data for the product catalog
- Test payment data for the checkout process

## Risks & issues

The following risks and issues have been identified:

- Issues with dependencies on external services, such as payment gateways or shipping providers
- Security vulnerabilities in the site's code or configuration, such as XSS or SQL injection
- Performance issues related to high user traffic or server load

There may be other risks during the test process that are not included here

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## Schedule

The testing will be conducted during the current sprint, with the following milestones and deadlines:

- Test plan completion: Day 3 of the sprint
- Manual testing: Days 4-6 of the sprint
- Automated testing: Days 6-8 of the sprint
- Defect tracking and reporting: Ongoing throughout the sprint

## Resources

The testing will be conducted during the current sprint, with the following milestones and deadlines:

- Product Owner: James Bond
- QA team members: Raymond Gray (QA lead), Stan Lee (QA analyst)
- Development team members: Jessica Owen (developer)
- Test management tool: Jira
- Test automation tools: Selenium WebDriver, TestNG
- Test data management tool: Excel
- Test environments: Mac OS, IntelliJ IDEA, Chrome browser