

# Test Summary Report

## ([Thirsty Wine](#))

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### Objective

This testing cycle aimed to verify the functionality, usability, performance, and responsiveness of the Thirsty Wine website. Automated testing was performed using Cypress with the Page Object Model (POM) for functional validation, while manual testing focused on user experience and cross-browser compatibility.

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### Scope of Testing

#### Automated Testing (POM Approach):

- Validated core functionalities such as login, product search, wishlist, cart management, and checkout.
- Utilized a modular POM approach to create reusable and scalable test scripts for various workflows.

#### Manual Testing (Non-Functional Testing):

- Evaluated performance, usability, and UI responsiveness.
  - Conducted tests across desktop, tablet, and mobile devices.
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### Tested Platforms

- Devices:** Desktop, Tablet, Mobile
  - Browsers:** Chrome, Firefox, Edge
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Test Results Summary:

Category	Total Test Cases	Executed Test Cases	Bugs Identified
1. Automation Testing 2. Manual Testing	85	85	31

Performance Metrics

Test Type	Metric	Result	Acceptable Limit
Load Testing	Homepage Load Time (Normal)	3 Seconds	< 3 Seconds
Stress Testing	Peak Load Handling (5000 users)	System Slowed Down	No Performance Drop
Response Time	Adding Product to Cart	1.8 Seconds	< 2 Seconds

Risk Assessment

Risk	Impact	Mitigation
Missing "My Account" and "Order" buttons	Frustration and confusion for users	Fix missing UI elements for all products
Mobile layout issues	Poor user experience on mobile devices	Ensure website responsiveness on all devices
Missing "Help and Support" page	Decreased customer support and trust	Implement and validate the Help and Support page

## Recommendations

- Fix critical bugs related to "My Account," "Returns & Exchanges," and checkout functionalities to ensure seamless user interactions.
  - Optimize homepage load time to enhance the user experience and reduce bounce rates.
  - Ensure full mobile responsiveness across all essential workflows.
  - Conduct regression testing to verify the stability of fixes and ensure that existing features remain functional.
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## Conclusion

The Thirsty Wine website was thoroughly tested using Cypress automation with the POM approach for key features, alongside manual testing for user experience and performance. Some bugs were identified and must be addressed to enhance the website's overall quality. The next phase should focus on regression testing and API integration validation.

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## Next Steps

- **Bug Fixes:** Resolve critical functionality, performance, and compatibility issues.
  - **Regression Testing:** Ensure all bugs are fixed and existing features remain functional.
  - **Additional Testing:** Plan security testing and API integration testing in the next phase.
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## Final Notes

This report highlights the use of Cypress with the Page Object Model (POM) for automated testing and manual testing for non-functional aspects, ensuring a comprehensive quality assessment of the Thirsty Wine website.