

Thirsty Wine

TEST PLAN



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Introduction

The Thirsty Wine website is an e-commerce platform where users can browse, search, buy, and review different wines. The website includes features such as user registration, login, order management, payment processing, and customer support. This test plan outlines the manual testing strategy to verify that all main features work correctly, are user-friendly, and function well across various devices and browsers.

- **Website Link:** [Thirsty Wine](#)

Test Objectives

- Ensure all navigation links work properly.
- Test key features such as Registration, Login, Product Search, Add to Cart, Checkout, Wishlist, and Footer Links.
- Confirm the website's compatibility across different browsers and devices (desktop, tablet, and mobile).
- Implement a Cypress-based test automation framework using the Page Object Model (POM) to validate features and navigation.

Scope of Testing

This test plan includes functional, UI/UX, and usability testing across major browsers (Chrome, Edge) and devices (desktop, mobile). Both manual and automated tests will be conducted to ensure a seamless user experience and reliability. Non-functional aspects will be tested manually.

Features to be Tested

- **User Registration & Login:** Account creation, login/logout functionality.
- **Product Browsing & Search:** Product categories, search bar, and filters.
- **Shopping Cart:** Add, remove, and view cart items.
- **Checkout Process:** Shipping details, payment options, and order confirmation.
- **Order Management:** View past orders, track orders, and cancel orders.
- **User Reviews & Ratings:** Submit and view product reviews.

- **Email Notifications:** Order confirmation, shipping updates, and password reset.
- **Mobile Responsiveness:** Ensure smooth functionality on phones and tablets.
- **Cross-Browser Compatibility:** Test on Chrome, Firefox, Safari, and Edge.
- **Wishlist:** Adding products to the Wishlist.
- **Performance:** Evaluate site speed and load time.
- **Customer Support:** Check contact forms, live chat, and FAQs.
- **Refunds/Returns:** Validate return product flow and refund processing.
- **Notifications:** Order confirmation and delivery updates.

Features Not to be Tested

- Third-party payment gateway integration details.
- Payment processing methods like credit card, PayPal transactions.
- Marketing emails and push notification campaigns (handled by another team).

Testing Approach

Testing Types

- **Functional Testing:** Verify that all features work as expected.
- **UI/UX Testing:** Check the website's interface and user experience.
- **Compatibility Testing:** Test across different browsers, OS, and devices.
- **Usability Testing:** Ensure ease of use and intuitive navigation.

Testing Methodologies

- **Page Object Model (POM):** Use reusable page objects for maintainability.
- **Exploratory Testing:** Test beyond predefined scenarios to find unexpected issues.
- **Regression Testing:** Ensure that new updates don't break existing features.
- **Black Box Testing:** Test without knowledge of internal workings, focusing on inputs and outputs.

Testing Environment

- **Operating System:** Windows 10 and Windows 11
- **Browsers:** Chrome, Firefox, Edge, Brave

Tools Used

- **Cypress**
- **Cucumber**
- **Google Sheets**
- **Google Docs**
- **XMind (Mind Mapping)**

Test Schedule

Phase	Duration
Test Plan Creation & Mind Map	04-02-2025
Test Scenario Development	05-02-2025
Test Execution	06-02-2025 to 08-02-2025
Manual Test Cases & Bug Reporting	07-02-2025
Test Summary	08-02-2025
Presentation Report Submission	09-02-2025

Roles and Responsibilities

As the sole tester for this project, I am responsible for:

- Creating a detailed Test Plan.
- Writing BDD scenarios in Gherkin syntax.
- Developing automated tests using Cypress and POM.
- Conducting manual and exploratory testing for UI/UX and cross-browser compatibility.
- Identifying, reporting, and tracking bugs.

- Preparing Test Results Summaries.

Entry and Exit Criteria

Entry Criteria

- Access to the Thirsty Wine website.
- All core features are functional.
- Approved test cases and Cypress scripts are ready for execution.
- The test environment is set up and accessible.

Exit Criteria

- All critical and high-priority bugs are fixed.
- All features function as expected.
- Test results are documented, including open issues.

Deliverables

Deliverable	Description
Test Plan & Mind Map	Outline of testing strategy, scope, and timeline
Manual & Automated Test Cases	Documentation of all functional and non-functional tests
Test Execution Report	Daily progress reports
Defect Report	List of identified bugs
Test Summary Report	Final report summarizing test coverage and outcomes

Risks and Mitigations

Risk	Mitigation
Resource Unavailability	Plan a backup resource
Build URL Not Working	Work on other pending tasks
Limited Testing Time	Adjust testing priorities dynamically

Approvals

The following documents will be submitted for client approval before proceeding to the next steps:

- Test Plan
- Test Scenarios
- Test Cases
- Reports
- Approval from Project Manager & QA Lead

Testing will continue only after all approvals are secured.