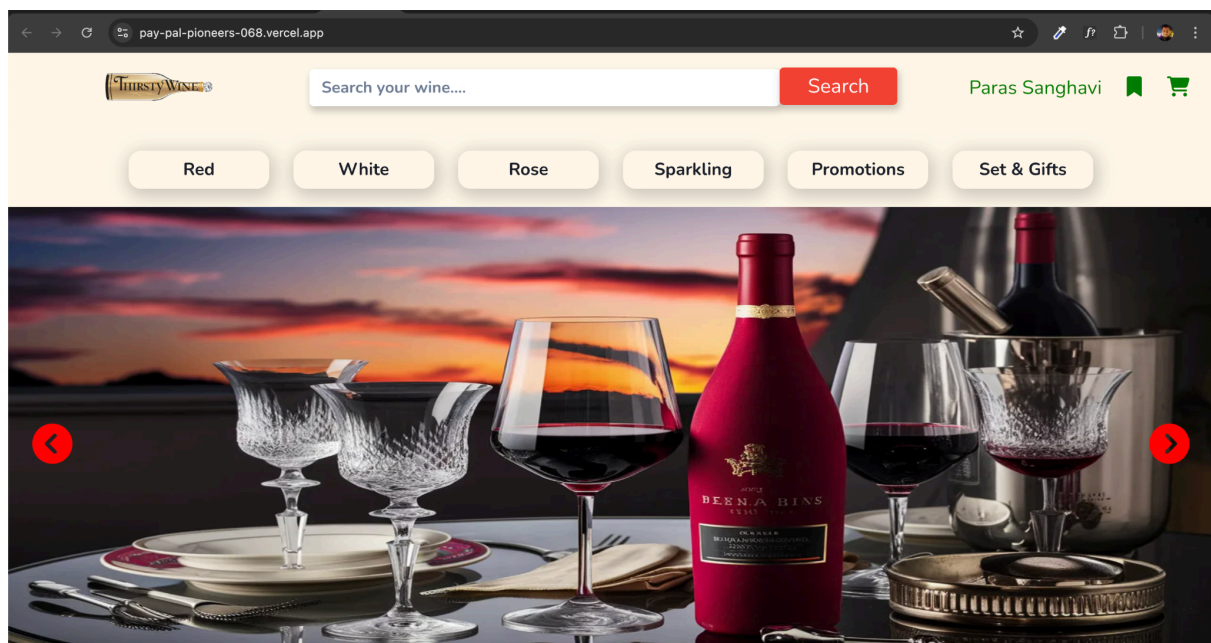


TEST PLAN

Thirsty Wine



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Date : Feb 6, 2025

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Introduction :

The **Thirsty Wine website** is an e-commerce platform where users can browse, search, purchase, and review wines. The website also offers features like **user registration, login, order management, payment processing, and customer support**. This test plan outlines the **manual testing strategy** to verify that all core functionalities work as expected, are user-friendly, and perform efficiently across different devices and browsers.

- Website Link : <https://pay-pal-pioneers-068.vercel.app/>

Test Objectives :

- Ensure all navigation links work correctly and lead to the intended pages.
- Validate the functionality of essential features like Registration, Login, Product Search, Add to Cart, Checkout, Wishlist, and Footer Links.
- Ensure the website works properly across different browsers and devices (desktop, tablet, and mobile).
- Create a Cypress-based test automation framework using the Page Object Model (POM) to automate and validate key features, and navigation, and ensure functionality.

Scope of Testing :

- The test plan includes functional, UI/UX, and usability testing across major browsers (Chrome, Edge) and devices (desktop, mobile). It covers both manual and automated testing of core features to ensure consistent user experience and reliability, with manual testing also conducted for non-functional aspects.

Features to be tested :

- **User Registration & Login** – Account creation, login/logout functionality.
- **Product Browsing & Search** – Product categories, search bar, filters.
- **Shopping Cart** – Add, remove, and view cart items.
- **Checkout Process** – Shipping details, payment options, and order confirmation.
- **Payment Gateway** – Credit card, PayPal, and transaction processing.
- **Order Management** – View past orders, track orders, and cancel orders.
- **User Reviews & Ratings** – Submit and view product reviews.
- **Email Notifications** – Order confirmation, shipping updates, password reset.
- **Mobile Responsiveness** – Site functionality across different devices (phones, tablets).
- **Cross-Browser Compatibility** – Test across major browsers (Chrome, Firefox, Safari, Edge).
- **Wishlist**: Adding products to the wishlist.
- **Performance** – Site speed and load time.
- **Customer Support** – Contact forms, live chat, FAQ.
- **Refunds/Returns** - Return product flow, refund initiation, refund status tracking.
- **Notifications** - notifications, order confirmation, delivery updates.

Features Not to be Tested :

- Third-party services like payment gateway integration details.
- Marketing emails and push notification campaigns (managed by a separate team).

Testing Approach :

Testing Types :

- **Functional Testing:** Ensuring that all functional aspects of the website work as expected.
- **UI/UX:** Verifying the website's interface and user experience.
- **Compatibility Testing:** Testing across browsers, OS, and devices.
- **Usability Testing:** Evaluating the ease of use and user-friendliness of the site.

Testing Methodologies:

- **Page Object Model (POM):** Using reusable page objects to make tests easier to maintain and scale.
- **Exploratory Testing:** Testing beyond the given scenarios to find unexpected issues.
- **Regression Testing:** Checking existing features after bug fixes or new updates to ensure they still work.
- **Black Box Testing:** Testing the app without knowing its internal workings, focusing only on inputs and outputs.

Testing Environment :

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

Tools :

- Cypress
- Google Sheet
- Google Doc
- XMind (Mind Mapping)

Test Schedule :

Phase	Duration
1. Test Plan Creation & Mind Map	05-02-2025
2. Test Scenario	06-02-2025
3. Test Execution	07-02-2025 to 08-02-2025
4. Manual Test Cases & Bug Reporting	08-02-2025
5. Test Summary	09-02-2025
6. Presentation Report Submission	10-02-2025

Roles and Responsibilities :

As the Software tester for this project, **Paras Sanghvi** and **Satyajit Sahu** were responsible for:

- Developing a detailed **Test Plan** outlining the testing objectives, scope, and approach.
- Writing detailed BDD scenarios in Gherkin syntax
- Designing and implementing automated tests using **Cypress** and the **Page Object Model (POM)** for core features.



- Performing manual and exploratory testing to evaluate functionality, UI/UX, and cross-browser compatibility.
- Identifying, reporting, tracking bugs, and documenting insights to ensure all issues were addressed.
- Preparing comprehensive **Test Results Summaries** to report on test outcomes and overall product quality.

Entry and Exit Criteria :

Entry Criteria:

- Access to the Demo Web Shop website.
- All features are available and functional.
- Approved test cases and Cypress scripts using the Page Object Model (POM) are ready for execution.
- Test environment set up and accessible for testing.

Exit Criteria:

- All critical and high-priority bugs are fixed and verified.
- All features meet the expected behavior defined in the test scenarios.
- Test results documented, including any open issues or risks.

Deliverables :

Deliverable	Description
Test Plan & Mind Map	Strategy document outlining testing scope, timeline, and resources.
Manual Test Cases & Automation Test Scripts	Includes all functional and non-functional test cases
Test Execution Report	Daily reports of test execution progress
Defect Report	All bugs found during testing
Test Summary Report	Final report summarizing test coverage, outcomes, and any unresolved issues.

Risks and Mitigations :

- **Risk:** Non-Availability of a Resource
- **Mitigation:** Backup Resource Planning
- **Risk:** The build URL is not working
- **Mitigation:** Resources will work on other tasks
- **Risk:** Less time for Testing
- **Mitigation:** Ramp up the resources based on the Client's needs dynamically.

Approvals :

The team will send different types of documents for Client Approval like below:

- Test Plan
- Test Scenarios
- Test Cases
- Reports
- Project Manager
- QA Lead
- Sign Off

Testing will only continue to the next steps once these approvals are done.