TEST PLAN

Website Name : Thirsty Wine

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📝Test Plan ID :

TSTP-001-Thirsty Wine Website-Release 1.0

📜Introduction :

The **Thirsty Wine website** is an e-commerce platform where users can browse, search, purchase, and review various 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 :

The main objective of this test plan is to test the quality, functionality, and performance of the **Thirsty Wine Website**. The testing will ensure that the critical features, user workflows, and backend services function seamlessly.

- **Identify and fix bugs**: Ensure all bugs and issues are identified and resolved.
- **Validate functional requirements**: ensuring users can successfully browse products, add them to the cart, complete purchases, and resell products.
- **Confirm integration points**: Test payment gateways, APIs, and third-party integrations.
- **Security validation**: Verify that sensitive user data, including payment and login information, is secure.
- **Performance check**: Test site performance under various loads and high-traffic conditions

🔍 Scope of Testing :

- Testing will cover functional Compatibility, Usability and UI/UX aspects of the administration registration login page, user registration, help, download hosting and learn more features.

🎯 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, order confirmation.
- **Payment Gateway** – Credit card, PayPal, and transaction processing.
- **Order Management** – View past orders, track orders, 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).
- **Security Features** – User authentication, payment security, data protection.
- **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 Environment :

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

🛠️Tools :

- Google Sheet
- Google Doc
- Jira - Project management
- XMind (Mind Mapping)

📅 Test Schedule :

Phase	Duration
1. Test Plan Creation & Mind Map	10-11-2024
2. Test Scenario	11-11-2024
3. Test Execution	11-12-2024 to 12-12-2024
4. Manual Test Cases & Bug Reporting	13-12-2024
5. Test Summary	14-12-2024
6. Presentation Report Submission	15-12-2024

👥 Roles and Responsibilities :

Role	Name	Responsibilities
1. Test Manager	Geethika	- Manage overall testing timelines and deliverables..
2. Manual Tester	Pavan Kumar	- Perform functional testing. - Write test cases, execute tests, report defects

✅Entry and Exit Criteria :

Entry Criteria:

- Access to the demo website with all features enabled.
- Test cases reviewed and ready for execution.

Exit Criteria:

- All critical bugs are fixed, and all key functionalities meet expectations.

📋 Deliverables :

Deliverable	Description
Test Plan Document	Strategy document outlining testing scope, timeline, resources.
Test Case Document	Includes all functional and non-functional test cases
Test Execution Report	Daily reports of test execution progress
Defect Report	All bugs found during testing, tracked via Jira
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:** 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 needs dynamically.

📜 Approvals :

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.