

TEST PLAN

Project Name: Thirsty Wine



Prepared By: **Shubham Giri**

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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.

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

Objectives

Update to cover key e-commerce functionalities, such as:

- Product Browsing
- Add to Cart
- Checkout Process
- User Registration and Login
- Order History
- Payment Gateway Integration
- Wish list and Favorites
- Product Search and Filters
- Performance
- Profile Management
- Customer Support
- Refunds/Returns
- Notifications (if applicable)

Scope

Ensure it includes testing for e-commerce workflows, including payment integration, inventory updates, and order confirmation.

Testable features:

- User Registration and Login
- Product Search and Filtering
- Add to Cart and Checkout
- Payment Processing

- Order Confirmation and History
- Profile Management
- Security Features
- Performance
- Customer Support
- Refunds/Returns
- Notifications (if applicable)

Testing Approach:

➤ Testing Types

- Functional Testing
- Compatibility Testing
- API Testing
- Usability Testing

➤ Testing Methodologies

- Black-box Testing
- White-box Testing
- Regression Testing
- User Acceptance Testing (UAT)

➤ Testing Environment

- UAT
- Pre-Prod

➤ Operating System

- Windows 10 and above
- Browsers: [Chrome]
- Testing Tools: [Mind Map, Microsoft teams, Excel, word ,STS, Selenium(for automation), Postman (for API testing), Jira, Zephyr]

Roles/Responsibilities

Name	Role	Responsibilities
Pooja Yadav	Test Manager	<ul style="list-style-type: none">✓ Manage budget and resources.✓ Allocating additional support resource.✓ Assess and prioritize project risks/tasks.✓ Monitoring project progress.✓ Resolve communication issues and conflicts effectively.
Shubham	Test Lead	<ul style="list-style-type: none">✓ Develop test plans and strategies in alignment with project objectives and requirements.✓ Assign tasks, set priorities, and provide and support to team members.✓ Review test results and provide feedback to team members.✓ Monitor and manage risks throughout the testing life cycle.
Shubham	Test Engineer	<ul style="list-style-type: none">✓ Understand customer requirements✓ Write Test scenarios & Test cases✓ Executing the Test cases.✓ Performing root cause analysis to identify underlying issues.✓ Defect tracking and reporting.
Shubham	Test Engineer	<ul style="list-style-type: none">✓ Understand customer requirements✓ Configuring and Setting up testenvironment.✓ Management of Automation tools.✓ Executing Regression Test cases.✓ File Closure activity.

Shubham	Test Engineer	<ul style="list-style-type: none">✓ Understand areas for regression testing feasibility.✓ Responsible for writing automation scripts.✓ Conducts Smoke, Functional, Integration, System.✓ Collaboration with on shore subject matter experts.
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Test Schedule

Following is the test schedule planned for the project:

Task	Time Duration
Test Plan creation	17 DEC 2024
Test Scenario creation	17 DEC 2024
Test case creation	17 DEC – 19 DEC 2024
Test case Execution	19 DEC to 21 DEC 2024
Summary Report Submission	22 DEC 2024

Test Deliverables

The following are to be delivered to the client:

Deliverables	Description	Responsible Owner	Target Completion Date
Test Plan	Outlines the testing approach, strategies, and scope for the Data Structure and Algorithm application.	Masai	22 DEC 2024
Test Cases	Test Cases created for both functional testing and compatibility testing	Masai	22 DEC 2024
Defect Reports	Detailed description of the defects identified in different versions of application.	Masai	22 DEC 2024

Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

Requirement Analysis

➤ Entry Criteria:

Once the testing team receives the Requirements documents and use documents of the project Includes what functions needs to be tested and how the software should behave.

➤ Exit Criteria:

The testing team should thoroughly explore and understand each requirement listed in the documents Any doubts or uncertainties regarding the requirements should be addressed and clarified to ensure that the testing team has a clear understanding of what needs to be tested and how it should behave.

Test Planning

➤ Entry Criteria:

Testable Requirements derived from the given Requirements documents . Test Plandocument includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

➤ Exit Criteria:

Test Plan is signed-off by the Client (Data Structure and Algorithm)

Test Designing

➤ Entry Criteria:

The Test Plan document needs to be reviewed and approved by the client and then Test Plan Document is signed-off by the Client

➤ Exit Criteria:

Test Scenarios and Test Cases Documents are prepared, they need to be reviewed and signed-off by the Client.

Test Execution

➤ Entry Criteria:

Test Scenarios and Test Cases document needs to be reviewed and approved by the client and documents are signed-off by the Client. Application is ready for further Testing.

➤ Exit Criteria:

Test Case Reports, Defect Reports are ready

Test Closure

➤ Entry Criteria:

Test Case Reports, Defect Reports are ready

➤ Exit Criteria:

Test Summary Reports, it overviews of the entire testing process

Tools

The following are the list of Tools we will be using in this Project:

- Microsoft Teams – collaboration
- Excel
- word
- Mind map
- Manual Testing Tools: Chrome Inspect, Browser
- Automation Testing Tools: Selenium, STS, Postman
- Project Management: Jira, Zephyr

Risks and Mitigation plans:

The following are the list of risks possible and the ways to mitigate them:

Risk	Mitigation plans
Lack of Automation Testers	Backup Resource Planning
No detailed Requirements available	Subject matter experts available for deep understanding of functionalities

Approvals

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

- Test Plan
- Test Scenarios
- Bug Reports
- Summary of Test Execution Report

- Test cases Execution report
- Requirements traceability Matrix (RTM)
- Mind map
- Test Cases

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