

TEST PLAN

PROJECT - AUTOMATION TEST STORE



Automation Test Store

About us

This test plan is created to ensure the quality and functionality of the Automation Test Store ecommerce website. The purpose of this document is to outline the testing approach and scope to validate the website's features, and usability. Our goal is to identify and address any issues or bugs to deliver a seamless and user-friendly experience for all users.

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Objective:

The main objective of this test plan is to verify the functionality and usability of the Automation Test Store website. Through testing, our goal is to improve the quality of the website and provide a seamless experience for all users.

AUT: <https://automationteststore.com/>

Scope of Testing:

1. Login/Signup:

- Test user registration and login functionality
- Verify that appropriate error messages are displayed for invalid credentials.
- Test password recovery and account management features.

2. Categories and Filters:

- Ensure all product categories are displayed correctly.
- Verify that filters (e.g., price range, brand, size) work as expected.
- Check if products are sorted correctly when filters are applied.

3. Form Submission:

- Test all forms (e.g., contact us form) to ensure they submit correctly.

- Verify that appropriate error messages are shown for invalid data.
- Check if validation errors are displayed for mandatory fields left blank.

4. Navigation:

- Test the website menu and links to ensure they work properly.
- Verify that users can easily navigate from one page to another.
- Check if breadcrumbs and the back button function correctly.

5. Content Validation:

- Verify that all text, images displayed on the website are correct.
- Ensure product descriptions, prices, and reviews are displayed accurately.
- Check for typographical errors and formatting issues.

Out of Scope:

- Add to Cart
- Payment gateways
- Search

Testable Features:

- **Login/Signup**
- **Categories and Filters**
- **Form Submission**
- **Navigation**
- **Content Validations**

Testing Approach:

1. Types of Testing:

- Functional Testing
- UI Testing
- Cross-Browser

2. Testing Techniques:

- Manual Testing : Exploratory testing, Ad-hoc testing.
- Automation Testing : End to end testing by cypress

3. Test Data:

- Use realistic test data to simulate user scenarios.
- Include both valid and invalid data to test error handling and validation

Roles/Responsibilities:

Name	Roles	Responsibilities
Shiva Kumar MG	Test Manager	<ul style="list-style-type: none"> • Manage budget and resources • Allocating additional support resources. • Monitoring project .
Anjali Shaw	Test Lead	<ul style="list-style-type: none"> • Create requirements documents and provide test engineers. • Assign tasks, set priorities and provide support to team members. • Review test results.
Sanjay jataw	Test Engineer	<ul style="list-style-type: none"> • Creating and executing test plan, test scenario and cases. • Reporting issues in Jira. • Maintaining test records in google sheets, Zephyr and google docs. • Make sure all test results are documented.

Test Schedule

Following is the test schedule planned for the project :

Task	Time Duration
Test Plan Creation	20-March-2025
Test Scenario Creation	21-March-2025
Test Case Creation	21-March-2025
Test Case Execution	22-March-2025
Summary Report Submission	23-March-2025

Test Deliverables

Deliverables	Description	Responsible Owner	Target Completion Date
Test Plan	It serves as a blueprint for testing activities and ensures all stakeholders are aligned.	Masai	20-March-2025
Test Scenario & Test Cases	Test scenarios and Test Cases are detailed documents that describe what to test and how to test.	Masai	21-March-2025
Bug Report	A bug report documents any defects or issues found during testing.	Masai	22-March-2025
Summary Report	The test summary report provides a high-level overview of the testing activities, results, and conclusions.	Masai	22-March-2025
Mind Map	A mind map is a visual representation of the testing scope, scenarios, and test cases.	Masai	23-March-2025

Test Environment:

The testing for the Automation Test Stroe website will be conducted in the following environment-

1. Software:

- **Operating System:** Windows 10
- **Browsers:** chrome (latest version), Firefox(latest version), Edge(latest version)

2. Testing Tools:

- **Automation Tool :** Cypress, Jenkins
- **Test Management Tool :** Jira ,Zephyr, Google sheet, Google Docs.
- **Bug Tracking Tool :** Jira
- **Visualization :** Mind Map

3. Other configurations:

- **Desktop Resolution :** 1920x1080
- **Mobile Resolution :**
 - 360x640 (Small devices)
 - 375x667 (Medium devices)
 - 414x896 (Large devices)

Entry & Exit Criteria:

The below are the entry & exit criteria for every phase of STLC

Requirement Analysis :

- **Entry Criteria :**

Once the testing team receives the requirements documents and uses documents in the projects. Includes what functions need 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 Plan Document includes the test strategy, which provides a high-level overview of how testing will be conducted.

- **Exit Criteria :**

The Test Plan is signed-off by the Client(Masai).

Test Designing :

- **Entry Criteria :**

Test plan document needs to be reviewed and approved by the client and then the 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 documents are prepared, they need to be reviewed and signed-off by the client.

- **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 and Mind Map, it overviews of the entire testing process

Risk & Mitigation :

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

Risk	Mitigation
Limited time for testing	Prioritize test cases based on risk and business impact.
Test lead not available.	Communicate with the test

	manager to clarify my doubts and ensure alignment on testing priorities.
Cypress is not working sometimes	Regularly update cypress to the latest stable version.

Approvals :

Masai will send different types of documents for client approval like below.

- Test Plan
- Test Scenarios and Test Cases
- Bug Report
- Summary Report
- Mind Map

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