



TEST PLAN

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Introduction

The purpose of this test plan is to ensure the Reebok website meets functional, performance, security, and usability requirements. This plan defines the scope, approach, resources, and schedule for all testing activities for the Reebok e-commerce website.

AUT - <https://reebok.abfrl.in/>

Objective

The objective of this test plan is to validate the functionality, usability, and performance of the Reebok website across different platforms and ensure a seamless shopping experience for the users.

Scope

- Homepage
- Product Pages
- Search Functionality
- Shopping Cart
- Checkout Process
- Payment Gateway
- User Account (Login, Registration)
- Responsive Design (Desktop, Mobile, Tablet)

Test Items

The following are the major components that will be tested:

1. **Home Page:** Check the layout, design, and functionality of the homepage.
2. **Product Search:** Verify the search functionality for different products.

3. **Product Details Page:** Ensure that product information, images, and reviews are displayed correctly.
4. **Shopping Cart:** Test adding and removing items from the cart, and updating quantities.
5. **Checkout Process:** Verify the process from cart to payment, including shipping options and payment gateways.
6. **User Login/Registration:** Test user authentication for new and returning users.
7. **Account Management:** Test user profile updates, order history, and account settings.
8. **Payment Gateway:** Ensure payments can be processed successfully using various payment methods.
9. **Promotions/Discounts:** Verify that promo codes and discounts work as expected.
10. **Order Confirmation:** Verify that users receive order confirmation and emails after a purchase.

Test Approach

- **Manual Testing:** All test cases will be executed manually.
- **Test Data:** Realistic test data will be used, including user profiles, product information, and payment details.
- **Exploratory Testing:** Exploratory testing will be conducted alongside predefined test cases to discover any unexpected issues.

Test Environment

- **Devices:** PC, Mac, iPhone, Android
- **Browsers:** Chrome, Firefox, Safari, Edge

Schedule

Test Plan Creation	02-10-2024
Test Case Creation	03-10-2024
Test case Execution	03-10-2024
Bug Report	04-10-2024

Test Deliverables

Deliverable	Description	Responsible Owner	Target Completion Date
Test Plan	Comprehensive document detailing the testing approach, scope, and objectives.	Test Manager, Test Lead	02-10-2024

Test Cases	Detailed test cases covering all functional, performance, security, and usability aspects.	Test Engineers, QA Analysts	03-10-2024
Test Execution Reports	Daily/weekly reports summarizing test progress, issues, and test coverage metrics.	Test Lead, Test Engineers	03-10-2024
Defect Logs	Documentation of all bugs and issues identified during testing, with severity and priority levels.	Test Engineers, QA Analysts	04-10-2024

Entry and Exit Criteria

Entry Criteria

- All features and modules have been developed.
- The test environment is fully set up.
- Test cases are approved.

Exit Criteria

- All test cases have been executed.
- Critical defects have been fixed.
- Performance and security tests have passed.
- The test summary report is reviewed and approved.

Risk and Mitigation

1. Delays in Feature Development

- **Risk:** Some features may not be fully developed when manual testing is scheduled, delaying the test execution.
- **Mitigation:**
 - Ensure early and continuous communication between development and QA teams.
 - Prioritize manual testing of critical and completed features while waiting for the remaining features.
 - Schedule test activities based on feature readiness to avoid idle testing time.

2. Inadequate Test Environment

- **Risk:** The test environment (staging or pre-production) may not be fully set up or encounter issues, leading to delays.
- **Mitigation:**
 - Collaborate with the environment setup team to ensure early preparation.
 - Verify the test environment's stability before starting manual testing.

- Have contingency plans, such as using alternative environments if needed.

3. Cross-Browser and Cross-Device Compatibility Issues

- **Risk:** The website may need to be fixed across various browsers and devices, which could be missed in manual testing.
- **Mitigation:**
 - Conduct thorough manual testing across various popular browsers (Chrome, Firefox, Safari, Edge) and devices (iOS, Android, tablets, desktops).
 - Prepare a list of high-priority browsers and devices based on analytics and user data.
 - Ensure real devices and browsers are available for testing during the test cycle.