

# Test Plan for boitai.com.bd

**Test Plan ID:** TP-boitai.com.bd-001

## Introduction:

This test plan outlines how the **Boitai.com.bd** e-commerce platform will be verified end-to-end. Our goals are to confirm that every core workflow— from browsing and searching for books to secure checkout, order tracking, and seller administration— functions correctly, safely, and efficiently. Because Boitai processes online payments and stores sensitive customer data, security and reliability are paramount.

### •Application overview

Boitai.com.bd is a Bangladeshi e-commerce platform focused on buying and selling books online. It lets customers discover titles, place orders, and pay securely while enabling publishers and independent sellers to list and manage inventory. Because the site processes sensitive customer information—payment details, delivery addresses, and personal profiles— it must deliver rock-solid security and high availability.

### • Purpose

Confirm that Boitai.com.bd works as intended across all shopper, seller, and admin tasks; offers an intuitive, responsive interface; stays fast and stable even at peak traffic; protects customer data and payments in line with OWASP Top 10 and PCI-DSS; and behaves consistently on all major browsers, devices, and networks.

## Test Items:

- **Authentication & User Management** – signup, login, password reset, profile update, logout
- **Catalog & Product Browsing** – category pages, book detail views, reviews/ratings
- **Cart & Checkout** – add/remove items, coupon application, shipping options, SSLCommerz/stripe payment flows
- **Order Management** – order history, status tracking, returns/cancellations
- **Seller Dashboard** – inventory listing, price/stock edits, sales analytics
- **Search & Filtering** – keyword search, advanced filters, result sorting/pagination
- **Contact & Support** – contact-us form, help center links, social-media redirects
- **Global UI Components** – header, footer, navigation menu, sticky banners

## References:

Documents and standards referred to during the test planning and execution phase: • IEEE  
829 Test Documentation Standard: For test case and documentation structure

## Features to be Tested:

This section lists the application features to be validated during testing:

- **Account flows** – signup, login, logout, password/reset, profile edits

- **Shopping & payment** – catalog browsing, cart actions, coupons, checkout, SSLCommerz/Stripe payment, order confirmation
- **Order & seller management** – order history, tracking, returns, seller inventory updates and analytics
- **Search & discovery** – keyword search, category/price filters, sorting, pagination
- **UI & global components** – header, footer, nav menus, responsive layout, accessibility, graceful error messages

### Features Not to be Tested:

Specifies what will be excluded from testing:

- Third-party payment gateway integrations.
- Non-core content like About and News sections.

### Test Approach:

The test approach will follow a phased process beginning with requirement analysis, test planning, and test case creation. Testing will be conducted in iterative cycles, covering functional, security, performance, and compatibility aspects. All defects will be logged and tracked to closure, with regression testing performed after fixes. This stage will rely entirely on manual testing, with no automation involved. Testing progress will be regularly monitored and reported to stakeholders to ensure transparency and timely updates.

### Entry Criteria:

Conditions that must be met before testing can begin:

- Finalized requirements.
- Reviewed and approved test cases.
- Properly set up test environment.

### Exit Criteria:

Conditions to be fulfilled before the testing phase can be closed:

- All critical test cases executed.
- No high-severity defects remaining.
- Test summary report completed.

### Suspension Criteria:

Situations when testing may need to be paused:

- Major blocker defects preventing further testing.
- Unavailability of test data or test environment issues.

### Roles and Responsibilities:

Outlines the responsibilities of each team member:

- **Test Lead:** Responsible for planning, monitoring, and reporting the testing process.
- **QA Engineers:** Execute test cases and log defects.

- **Developers:** Fix reported defects.

## Schedule:

A timeline for each phase of testing:

- **Test Planning:** Week 1
- **Test Case Design:** Week 2
- **Test Execution:** Weeks 3-4
- **Defect Fixing & Regression Testing:** Week 5

## Training:

Training required for effective testing:

- **Domain Training:** Gain a thorough understanding of Boitoi.com.bd's core functionalities, including book browsing, user account management, shopping cart and checkout flows, payment processing, and security protocols to ensure precise and effective testing.
- **Process Training:** Learn manual testing strategies and techniques specifically tailored for e-commerce transaction workflows, covering areas such as order placement, payment validation, and error handling.

## Test Environment:

Details the hardware and software required for testing:

- **Hardware:** Windows machines with 8GB RAM, SSD storage.
- **Software:** Chrome, Firefox, Edge, Brave

## Test Deliverables:

Lists the documents and reports generated during testing:

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

## Approvals:

Specifies who has the authority to approve the test plan and test results:

- **QA Lead, PM, Development Team.**

## Glossary:

Defines key terms used in the document for clarity:

- **QA:** Quality Assurance

- **PM:** Project Manager