

# The **SHOPIFY** Store Testing Checklist



## **WHY TESTING your store is SO IMPORTANT**

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With so many eCommerce platforms at hand, companies on the growth fast-track and sizable enterprises that need to migrate to a more scalable solution choose Shopify as the right platform to fit their business goals.

However, maintaining a good reputation for the brand's digital home requires retailers to handle numerous quality-related challenges, such as performance roadblocks, transaction security issues, or even the Black Friday rush.

This checklist will help you get started on the path to exceptional quality and explain what steps should be taken to improve customer experience and profitability:

- Test the functionality and usability of your store
- Detect security vulnerabilities
- Prepare for peak traffic
- Check the accuracy of social media integration

**Get the most out of Shopify with QATestLab.**

**Let's test.**

## FUNCTIONAL & USABILITY Testing

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Simulate the way customers will use the e-store and identify problems - such as missing functionality, UI issues, or complex navigation - that could ruin the user experience.

- Navigate the site in different browsers, using both desktop and mobile devices
- Check the registration process, user profile management, and user permissions
- Check how content changes are displayed (such as Product List updates)
- Make sure that all information entered in forms, such as email signup and contact forms, is collected and received correctly
- Test the search functionality to check the accuracy and relevance of the search results, as well as its fast operation
- Add and remove items from Shopping Cart and Wishlist
- Place at least one test order during your store setup, or whenever you make changes to your payment settings
- Test the fulfilling and partially fulfilling orders and their refunding and canceling
- Verify that the error reporting procedure works correctly and any site errors will be flagged up
- Test the accessibility features (such as the right use of headings, accessible images, menus, forms, and tables, effective use of color, and meaningful link text)
- Once you are ready to go live, go through the site and remove all test data

# SECURITY

## Testing

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Shopify protects every store powered by the platform through regular monitoring of network security and maintaining a vulnerability management program. This is one of the most important benefits of Shopify vs. other self-hosted solutions.

However, security testing is still imperative as the financial aspect is involved.

### ■ The most vulnerable areas when it comes to e-store security are:

- Customer data
- Order management
- Coupon management
- Payment gateway integration
- CMS integration

### ■ Most common web application security risks:

- HTML, XML, and OS command injections
- Broken Authentication (brute-force and session hijacking attacks)
- Sensitive Data Exposure
- XML external entity injections
- Broken Access Control (bypassing access control checks and permission violation)
- Security Misconfiguration (default accounts and error handling)
- Reflected and persistent Cross-Site Scripting (XSS) attacks
- Insecure Deserialization related to objects and data structure, as well as data tampering
- Components with known vulnerabilities that require the passive and active scanning

# PERFORMANCE

## Testing

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Speed matters, especially when it comes to online stores. Conversion rates fall drastically with each additional second of load time and create a negative customer experience. What's more, search engine algorithms now factor loading time into their ranking criteria.

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### **Prioritize testing to optimize the performance of your store.**

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- Check out Shopify's Online store speed dashboard for evaluating the loading time for a storefront. Keep in mind that it is not entirely accurate and should only be used to estimate the overall health of a store's page speed
- Measure your desktop and mobile site speed.  
There are multiple ways to achieve the best performance for your Shopify store, such as using pop-ups sparingly, avoiding excessive Liquid (Shopify coding language) loops, compressing images, reducing redirects, etc.
- Test the store's performance using WiFi/3G/4G/5G
- Test the website for the average and peak traffic load
- Check that the site's database is performing as expected
- Thoroughly test any bespoke sections of the e-store and make sure they perform well under stress
- Try different user roles (guest user / logged-in user) and scenarios (i.e. logging in or signing up for an account, adding products to the cart, etc.)

## INTEGRATION

### Testing

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E-stores may involve multiple third-party components to process requirements related to inventory, customer queries, payments, etc. Testing of these components is necessary to make sure they are properly integrated and would perform at their optimal levels.

- Check that every extension is correctly integrated with its respective third-party service
- If an iPaaS or integration middleware provider are used, this setup needs to be tested in detail too
- Test social button integration for sharing content and directing customers to social media accounts
- Test the Google Analytics and Search Console setup by driving test traffic to the site
- Check that any email or ads for remarketing campaigns work correctly and that visitors are sent the correct content

#### **Check the following areas from an integrations perspective (if applicable):**

- Discount codes and gift card usage
- Listed payment methods
- Listed delivery types
- Refunds and partial refunds
- Inventory changes
- Notification handling

## **ABOUT QATestLab**

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QATestLab, a leading software testing service provider, for over 15 years has been leveraging a result-driven quality engineering approach to help online stores improve customer experience and profitability.

Our eCommerce Units comprise a skilled pool of **100+ QA engineers** with experience in end-to-end testing for conversion-oriented online stores.  
**We test, automate, consult, and provide a test lab of 350+ real devices.**

**QATestLab is a one-stop-shop for all your testing needs:**

- Get a comprehensive risk-based quality assessment of the web store
- Test added functionality to confirm it works as intended
- Check the accuracy of integration with other services and platforms
- Detect security vulnerabilities
- Verify seamless connection to a payment system
- Improve the UI and UX to increase customer engagement

**Improve UX, secure payments, and increase conversions with the QATestLab independent testing services.**

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**Contact us** to start the collaboration.

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