Prepared by: Testify team

February 20, 2025

Project planning & management

for www.Shopify.com

## MAIN OBJECTIVE

Shopify is the leading global commerce company that provides essential internet infrastructure for commerce, offering trusted tools to start, scale, market, and run a retail business of any size. Shopify makes commerce better for everyone with a platform and services that are engineered for speed, customization, reliability, and security, while delivering a better shopping experience for consumers online, in store, and everywhere in between. Shopify powers millions of businesses in more than 175 countries and is trusted by brands such as BarkBox, Vuori, BevMo, Carrier, JB Hi-Fi, Meta, ButcherBox, SKIMS, Supreme, and many more. We are making a test for website to make sure that it is working a good quality without any error for keeping a client’s trust.

## A group of people with laptops and a circular sign AI-generated content may be incorrect.E-COMMERCE FEATURES:

1. Apply discount codes, gift cards, and loyalty programs.
2. Test payment methods (credit cards, PayPal, etc.).
3. Inventory management, stock levels, and back-orders.
4. Customer notifications (order confirmation, shipping updates).

## PROJECT PLAN:

* Testing Shopify core features:

1. Product listing and display (including variants).
2. Cart functionality.
3. Checkout process (guest and registered users).
4. Customer registration, login, password recovery.
5. Order management (from admin).
6. Payment gateway (success and failure scenarios).
7. Shipping and tax configurations.

* Bug Reporting:

1. Record any issues and track them using your bug tracking system (e.g., JIRA, Trello).
2. Ensure that all defects are prioritized based on severity (critical issues like checkout failure should be fixed first).

* Performance Testing:

1. Load Testing: Test how the website handles traffic (using tools like JMeter or LoadNinja). Simulate high user loads to evaluate server performance.
2. Stress Testing: Ensure the site remains functional under stress or when traffic exceeds the expected limits.
3. Page Load Speed: Test for slow loading times and optimize assets to ensure the site is fast (use tools like Google PageSpeed Insights or GTmetrix).

* Security Testing:

1. Vulnerability Scanning: Use automated tools to scan for vulnerabilities (e.g., SQL injection, cross-site scripting (XSS)).
2. SSL/HTTPS Testing: Ensure secure communication for all customer transactions, especially at checkout.
3. Session Management: Ensure user sessions are properly handled, and test session timeouts.

## TASK ASSIGNMENT & ROLES:

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| --- | --- |
| **Team Member** | **Role** |
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## RISK ASSESMENT & MITIGATION PLAN:

* Risk: Scope Creep (Expanding Project Beyond Initial Plan):

Cause: Adding too many testing features or website aspects beyond the original plan.

Solution:

1. Clearly define the testing scope in our project plan.
2. Prioritize test cases based on importance.
3. Implement a process for approving any changes to the scope.
4. Communicate regularly with the team.

* Risk: Inadequate Test Data (Not Enough or Incorrect Data):

Cause: Using poor data leading to missed bugs.

Solution:

1. Create a test plan.
2. Use realistic data.
3. Generate test data with tools if needed.

* Risk: Shopify Technical Limitations (API, Apps, etc.)

Cause: Issues with Shopify's platform hindering testing.

Solution:

1. Research Shopify's documentation thoroughly.
2. Identify limitations early.
3. Find alternative testing methods.

* Risk: Time Constraints (Tight Deadlines)

Cause: Not having enough time to test everything.

Solution:

1. Create a realistic test schedule.
2. Prioritize critical test cases.
3. Use automation where possible.
4. Communicate potential delays.

* Risk: Browser/Device Compatibility Issues

Cause: Website not working correctly on all devices/browsers.

Solution:

1. Create a compatibility matrix.
2. Focus on popular browsers/devices.
3. Use testing tools.

* Risk: Tooling Issues

Cause: Testing tools not working as expected.

Solution:

1. Test tools before main testing.
2. Have backup tools.
3. Document tool versions.

## KPIs (KEY PERFORMANCE INDICATORS):

* Performance & Reliability:

1. KPI: Average Page Load Time (Seconds)
2. KPI: Website Uptime

* Usability & User Experience:

1. KPI: Task Completion Rate (%)
2. KPI: Conversion Rate (%)

* Quality & Effectiveness:

1. KPI: Number of Defects Found (by Severity)
2. KPI: Test Coverage (%)