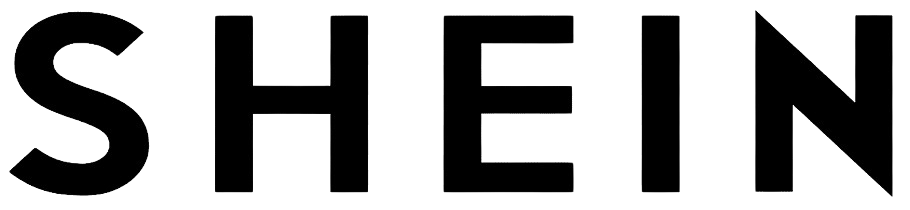




| **Test Plan**  Project Name: Shein E-Commerce Web Application |
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| **Prepared By:** Abhishek Kolapkar  **Date:** 14-Nov-2024 |
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| **Introduction** |
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This Test Plan defines the approach, scope, objectives, and overall strategy for manually testing the **Shein e-commerce website** (us.shein.com). This plan will ensure the platform is user-friendly, functional, and meets quality standards across user journeys, devices, and browsers.

**AUT:** <https://us.shein.com/>

| **Objective** |
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The primary objective of testing **Shein.com** is to ensure that all functionalities perform as expected and the application is ready for production release. This includes:

* Validate the functionality, usability, and performance of key modules.
* Ensure that the application meets the business requirements and performs as expected in real-world usage scenarios.
* Verify the accuracy and consistency of product details, user interactions, and checkout flow.
* Confirm that the website is accessible and responsive.

| **Scope** |
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This test plan includes the following:

* Ensure all features like product search, category browsing, cart management, user registration, login, and checkout are functioning correctly.
* Testing across different browsers to ensure compatibility and usability.
* Performance testing to evaluate system response and load handling capabilities.

| **Testable Features** |
| --- |

* **User Authentication & Profile Management**
* **Product Browsing & Search**
* **Shopping Cart Management**
* **Checkout & Payment Gateway**
* **Order Management**
* **Wishlist**
* **Language & Currency Selection**
* **Customer Support Integration**
* **Coupons & Discount Management**
* **Shipping & Delivery Options**

| **Testing Approach** |
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* **Testing Types**
  + Usability Testing
  + Functional Testing
* **Testing Methodologies**
  + Manual Testing
  + Black-Box Testing
* **Testing Environment**
  + UAT
  + Pre-Prod
  + Browsers: Chrome & Firefox
* **Operating System**
  + **Web OS:** Windows 10 & above
  + **Mobile OS:** Android

| **Roles & Responsibilities** |
| --- |

| **Name** | **Role** | **Responsibility** |
| --- | --- | --- |
| Pooja Yadav | Test Manager | * Oversee the entire testing process. * Plan and define test strategy. * Ensure resources are allocated effectively. * Coordinate between the testing team and stakeholders. * Manage risks and resolve blockers. * Review test results and reports. |
| Geethika Kommuru | Test Lead | * Lead the testing team and ensure proper execution of test plans. * Design test scenarios. * Track and report test progress. * Act as a point of contact for test-related queries. * Ensure that testing objectives are met within deadlines. |
| Rohit | Test Engineer 1 | * Execute test cases and document results. * Identify, report, and retest defects. * Perform functional and regression testing. * Provide detailed feedback on the functionality. * Assist in creating test documentation. |
| Abhishek Kolapkar | Test Engineer 2 | * Execute test cases across different environments. * Document and report any defects. * Perform exploratory testing. * Support in preparing test data. |

| **Test Schedule** |
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Following is the test schedule planned for the project:

| **Task** | **Time Duration** |
| --- | --- |
| Test Plan Creation | 05-Nov-2024 |
| Test Cases Design | 06-Nov-2024 |
| Test Case Execution | 08-Nov-2024 |
| Result Analysis & Reporting | 10-Nov-2024 |

| **Test Deliverables** |
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| **Deliverables** | **Description** | **Responsible Owner** | **Target Completion Time** |
| --- | --- | --- | --- |
| Test Plan | Outline of testing approach, scope, objectives, testable features, and schedule. | Test Lead | Day 1 |
| Test Cases | Detailed test cases for functional, usability, security, and performance tests. | Test Engineer 2 | Day 1 |
| Test Data | Data prepared for use during the execution of test cases (including valid and invalid test data) | Test Engineer 2 | Day 2 |
| Test Execution Report | Summary of test execution results, including pass/fail statuses, errors, and overall progress. | Test Engineer 2 | Day 4 |
| Defect Report | Detailed log of defects found during test execution, including severity, description, and status. | Test Engineer 2 | Day 6 |
| Test Summary Report | Final report with insights, identified issues, and recommendations based on testing outcomes. | Test Engineer 2 | Day 6 |

| **Entry & Exit Criteria** |
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* **Requirement Analysis:**
  + **Entry Criteria:** Requirements are defined and reviewed, and all required documentation is accessible to the test team.
  + **Exit Criteria:** The test team has analyzed the requirements and developed an RTM to ensure test coverage, confirming that all requirements are clear, complete, and testable.
* **Test Planning:** 
  + **Entry Criteria:** The requirements are thoroughly analyzed, and the initial project scope, timelines, and resources are defined.
  + **Exit Criteria:** A detailed test plan is created, specifying the testing scope, objectives, resource allocation, risk assessment, schedules, and entry/exit criteria for each phase. The test plan is reviewed and approved by stakeholders.
* **Test Designing:**
  + **Entry Criteria:** The Test Plan is approved, and requirements are clear and testable.
  + **Exit Criteria:** Test data is prepared, and all test cases are approved and baselined for use during test execution.
* **Environment Setup:** 
  + **Entry Criteria:** Test environment requirements are documented, and test data is available.
  + **Exit Criteria:** The environment is configured and verified, including software, hardware, and network configurations, ready for test execution.
* **Test Execution:** 
  + **Entry Criteria:** The test environment is ready, and all test cases are baselined and prepared with required test data.
  + **Exit Criteria:** All test cases are executed with results recorded, and any defects are logged, prioritized, and tracked.
* **Test Closure:** 
  + **Entry Criteria:** All planned tests have been executed, with critical defects resolved and retested.
  + **Exit Criteria:** All deliverables are finalized, and the project is formally closed with a final sign-off.

| **Tools** |
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* **Test Reports:** Google Docs, Google Sheets
* **MindMap:** X-Mind
* **Cross-Browser:** BrowserStack
* **Version Control:** GitHub

| **Risks & Mitigation Plan** |
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| **Risks** | **Mitigation Plan** |
| --- | --- |
| Inadequate Test Environment Setup | * Ensure early and thorough environment setup. * Perform environment validation tests to verify functionality before testing begins. |
| No detailed Requirements are available | * Subject matter experts available for a deep understanding of functionalities |

| **Approvals** |
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The following documents must be reviewed and approved by the relevant stakeholders:

* Test Plan
* Test Scenarios & Test Cases
* Test Reports (Test Execution Reports & Defect Reports)
* Test Summary Report