TEST PLAN FOR AMAZON WEBSITE

1. **INTRODUCTION**

* The goal of this document is to develop a test plan for online shopping website Amazon.
* The purpose of this test plan is to outline the testing approach, activities, and deliverables for the Amazon website.
* The plan will ensure the quality and reliability of the website by thoroughly testing its features, functionality, and performance.
* This document defines all the procedures and activities required to prepare for testing of the functionalities of the system.
* The objective of the test plan are to define the activities to perform the testing define the test deliverables documents involved in testing.

1. **SCOPE**
2. **Feature Coverage:** All major features and functionalities of the website, such as product browsing, search, product details, shopping cart, payment processing, order management, customer accounts, reviews, and ratings.
3. **Platform Coverage**: Testing across different platforms, including web browsers (Chrome, Firefox, Safari, Internet Explorer), mobile devices (iOS, Android), and operating systems (Windows, macOS).
4. **Usability and Accessibility:** Ensuring a user-friendly and accessible website that meets the needs of a diverse range of users, including those with disabilities.
5. **Performance and Scalability:** Testing the website's performance under different user loads to ensure optimal response times, throughput, and scalability.
6. **Security:** Assessing the website's security measures to protect user data, prevent unauthorized access, and handle secure transactions.
7. **Compatibility:** Verifying that the website works seamlessly across various devices, browsers, and operating systems.

**FEATURES TO BE TESTED**

The following modules are in scope.

(functional requirements)

* Application should be hosted by the URL:[www.amazon.com](http://opt/scribd/conversion/tmp/scratch6143/www.amazon.com)
* Registration for new users
* Sign In for existing customer
* Search for products
* Shop all departments
* Adding to Cart
* Option to login as a guest user.
* Adding address details for delivery.
* Payment details would be required
* Shopping can completed with order conformation.

(non functional requirements)

* Time taken by customer in the entire process
* Numbers of steps required starting from url till delivery of the product.
* Security features of the website where customer need to add his/her.
* Personal details as well as.
* Payment details.

(Performance or load testing when many users at the same time are)

* looking for same item
* making payment
* Help
* Sign out

**FEATURES NOT TO BE TESTED [OUT OF SCOPE]**

* Customer review report
* Customer login journey would be taken separately.
* Contents present in dashboard.
* Links present on the page which can be taken you to social media websites such as face book, twitter, Instagram etc..

1. **TEST METHODOLOGY**

* Agile methodology is used for this e-commerce application at AMAZON.
* It is a practice that promotes continues iteration of development and testing throughout the software development life cycle of an application.
* It describes continuous planning, learning, improvement and team collaboration.
* It encourages flexible response to change.
* Customer satisfaction is rapid, continuous development and delivery of useful software.
* Customer, Developer, and Product Owner interact regularly to emphasize rather than processes and tools.
* Product is developed fast and frequently delivered (weeks rather than months.)
* A face-to-face conversation is the best form of communication.

**Following agile ceremonies would be part of the team**

Daily stand up the meeting

Iteration planning meeting

Review meeting

Retrospective meeting

1. **TECHNIQUES**

**These levels include:**

1. **Unit Testing:** Individual components and modules of the website are tested to ensure their correctness and functionality in isolation.
2. **Integration Testing:** Testing the integration and interaction between different components and modules of the website to verify the proper functioning of the integrated system.
3. **System Testing:** Testing the entire system as a whole, including end-to-end scenarios, to validate that all components work together seamlessly and meet the specified requirements.
4. **User Acceptance Testing**: Involving end-users to perform testing from a user's perspective and ensure that the system meets their needs and expectations.

**4.1 These test types include:**

1. **Functional Testing:** Verifying that the website functions correctly, according to the specified requirements and business rules.
2. **Usability Testing:** Assessing the case of use, intuitiveness, and user-friendliness of the website, ensuring a smooth and satisfying user experience.
3. **Performance Testing:** Evaluating the website's performance under different loads, including stress testing, load testing, and scalability testing, to ensure optimal response times and stability.
4. **Security Testing:** Testing the website's security measures, including authentication, authorization, data encryption, and protection against common security vulnerabilities.
5. **Compatibility Testing:** Verifying that the website works seamlessly across different devices, browsers, and operating systems, ensuring a consistent experience for all users.

### 4.2 Test Techniques[​](https://www.testkarts.com/manual-testing/test-plan-example#33-test-techniques)

### These techniques include:

1. **Black-Box Testing:** Testing the website's functionality without detailed knowledge of its internal structure, focusing on inputs, outputs, and expected behavior.
2. **White-Box Testing:** Examining the internal structure and code of the website to ensure thorough coverage and identify potential defects or vulnerabilities.

**5.ASSUMPTION**

* The customer should have a valid email id.
* The customer details should be displayed in the corresponding customer account.
* Test environment will be available and supported for all testing time
* Customer purchase a product, then it should be removed from the database of total number of respective products present in the inventory.
* While the customer enter their card/bank details and order the product, then proper approval should be required so as to process the payment.
* If the customer selects a product which is not present in the inventory, the “out of stock” option should be highlighted and customer should not be able to add that particular item to their cart.

1. **RISK**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **\*** | **TITLE** | **priority** | **Risk migration team** | **comments** |
| **1** | Security of bank data | high | payment | Card and other details |
| **2** | Customer cart items | medium | database | Total number of items left in inventory should update |