REMITA INTERMEDIATE QA INTERVIEW - PHASE 1

TECHNICAL INTERVIEW - PRACTICAL QUESTIONS

TEST STRATEGY DOCUMENT
for
E-Commerce Checkout Process

SUBMISSION
BY

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1. Introduction

This test strategy document has been created to communicate the testing approach for testing the checkout process of an e-commerce website, https://www.jumia.com.ng.
It includes the objectives, scope, schedule, timelines, risks and approach that will be used for testing. This document will clearly identify what the test deliverables will be and what is deemed in and out of scope.

1.1 Application overview

Jumia.com.ng is an online retailer and e-commerce marketplace offering a wide range of categories, such as fashion and apparel, smartphones, home and living, cosmetics and electronics.

It is the largest online shopping website in Nigeria and offers a platform where customers can find and shop for all they need in one online store with Jumia offering a seamless online shopping experience with fast delivery, free returns, and flexible payment options for customers to enjoy the convenience of shopping online.

1.2 Test Objectives

This test strategy has been developed to check the functionality and non-functionality aspects of the checkout process of the Jumia.com.ng website. The test team is charged with the responsibility of ensuring the checkout process functions properly.
The website will be tested for its functionality, usability, performance, security, and compatibility to ensure it meets the requirements of the user.

1.3 Team Responsibility

The testing team and their responsibilities are shown below:

Resource Name	Job Title	Responsibility
Ofiani Sylvia	QA Engineer	Test Strategy documentation
Ofiani Sylvia	QA Engineer	Test Case Documentation
Ofiani Sylvia	QA Engineer	Bug Report
Ofiani Sylvia	QA Engineer	Test Summary Report
Team Lead	QA Team Lead	Documentation and Report Review
Team Lead	QA Team Lead	Release Notes

2. Test coverage/scope

2.1 In Scope

The scope of the project is to carry out functionality, usability, performance, security, and compatibility tests on the checkout process of the Jumia.com.ng website.

- **Shopping Cart functionality**

- **Checkout process**

- **Shipping and Delivery process**

- **Payment functionality**

- **Order Confirmation functionality**

2.2 Out of Scope

1) Testing the e-commerce mobile application
2) Testing the user onboarding flow / account creation flow
3) Testing user log in flow
4) Testing other shopping flows before the Cart

3. Test Method / Approach

The project would involve functionality, usability, performance, security, and compatibility tests of the website. Black box testing in which test users are not aware of the internal structure of the application would also be used.

The Application would be tested based on the pass or fail performance of the in scope requirements.

3.1 Test Approach

1. Functional testing to validate that each step in the checkout process functions efficiently and accurately.

2. Usability testing to assess the user-friendliness of the checkout process, evaluating the website's user interface, layout, and overall ease of use during the checkout process

3. Performance testing to assess the platform's response time, its responsiveness and stability of the checkout process during high-traffic situations to ensure a smooth checkout experience.

4. Compatibility testing to verify that the checkout process works seamlessly across different popular browsers and devices (such as tablets, laptops, desktop and mobile devices)

    a. Cross browser testing on PC
    b. Cross browser testing on phones and tablets

5. Security testing to verify the security of user data during the entire process, the secure handling, transmission and storage of sensitive data, such as payment information, personal address.

3.2 Test Method

1. Manual tests will be performed for each in scope feature of the application and would be documented.

2. Automated unit tests are not part of the test process at this time.

4. Test Environment

Active data packages or WiFi network connection is required for the test.

Personal computers, desktops and mobile phones with all the major tools installed are required as part of the test environment.

Some of the equipment to be used for testing will include:

- Windows 10 functioning laptops with wifi connection
- MacBook PCs with wifi connection
- mobile phones with active mobile data packages or wifi connection.

Operating systems:

- Windows PCs
- Mac OS PCs

- mobile phone OS
  - Android, Version 7,8,10, 11.
  - IOS, Version 15

Web Browsers:

- Google Chrome
- Mozilla Firefox
- Microsoft edge
- Safari
- Opera Mini

5. Milestones / Deliverable

5.1 Test Schedule

Detailed below are the initial test schedule follows 8/1/2024 to 12/1/2024

Task Name	Members	Start Date	Estimate Effort	Comment
Requirement Analysis	Testing team	8/1/2024	3-man hour	The testing team understands the requirements in terms of what will be tested
Test Planning	Testing team lead	8/1/2024	4-man-hour	Initial stage of STLC where testing strategy is discussed
Create Initial test estimate	Testing Team	8/1/2024	2-man-hour	Daily meeting to review test progres

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Task Name	Members	Start Date	Estimate Effort	Comment
Test status report	Testing lead, testing team	8/1/2024	3-man hour	Daily meeting to review test progress
Test case development	Testing team	9/1/2024	6-man hour	Creation and verification of test cases and test scripts
Test environment setup	Testing team	9/1/2024	2 man-hour	Test environment setup in anticipation of actual testing
Test status report	Testing lead, testing team	10/1/2024	3-man hour	Daily meeting to review test progress
Functional testing iteration 1	Testing team	10/1/2024	6-man hour	Execution of test cases begin
Bug reporting	Bug reporting lead	10/1/2024	1-man hour	Logging of bug on google sheets
Test status reporting	Testing lead, testing team	10/1/2024	3-man hour	Daily meeting to review test progress
Resolution of final defect and bug report testing	Testing Team	11/1/2024	6-man hour	Final stage of testing where the website is reviewed once again
Test summary report	Testing team	11/1/2024	3-man hour	Document detailing total test cases along with

Task Name	Members	Start Date	Estimate Effort	Comment
				pass/fail status is created
Test cycle closure	Testing team	12/1/2024	3-man hour	Final meeting involving strategies to be implemented in future tests and lessons from current test cycles
TOTAL			**45-Man Hour**	**Total expected man hours spent.**

5.2 Deliverables

Deliverables	Name	Assigned	Due Date
Requirement analysis	Sylvia Ofiani	QA Engineer	12/1/2024
Test Strategy / Plan	Sylvia Ofiani	QA Engineer	12/1/2024
Test case development	Sylvia Ofiani	QA Engineer	12/1/2024
Test summary report	Sylvia Ofiani	QA Engineer	12/1/2024
Bug reporting	Sylvia Ofiani	QA Engineer	12/1/2024
Test results/Test cycle closure	Sylvia Ofiani + QA Lead	QA Engineer	12/1/2024

6. Assumptions/Risks

This section lists assumptions that are made specifically to the test.

1. Application was initially deployed without efficient testing.

6.1 Risks

The following risks have been identified and the appropriate actions identified to mitigate their impact on the test project. The impact (or severity) of the risks is based on how the project would be affected if the risks were triggered. The trigger is what milestone or event would cause the risk to become an issue to be dealt with.

S/N	Risk	Impact	Trigger	Mitigation Plan
1	Tight timelines	High	Deadline of project	Increase official working hours of team members.
2	distributed team location	Medium	Physical meet-up of the testing team.	Virtual meeting of all members to discuss progress report.
3	Different time zones of team	Low	Setting of deadlines for team members	Setting of unique and smart deadlines for members with different time zones