

TEST PLAN

FOR

KOBO360

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1. Introduction

This test plan has been created to communicate the test approach to team members. It includes the objectives, scope, schedule, risks and approach. This document will clearly identify what the test deliverables will be and what is in and out of scope.

1.1 Business Background

Kobo360 is an African technology company that offers integrated logistics solutions and truck brokerage services.

The company's objective is to solve the inefficiencies in Africa's supply chain, by creating a technology platform that connects manufacturers and cargo owners with truck operators, to move their goods seamlessly across the continent.

It offers cargo owners and manufacturers the opportunity to seamlessly connect with truck owners and truck drivers to move their cargo easily, and it offers transporters, truck owners and drivers the opportunity to connect with those in need of their services.

It also provides value added services to its customers such as kobocare, kobosafe, and payfasta services.

The website should be accessible to interested customers who have the link. With just a click on the link, the homepage of the website should be displayed.

The website should contain features such as the:

- sign-up button,
- sign-in button,
- move cargo button
- register truck button
- request quote button, and
- Other value added services they have to offer.

1.2 Test Objectives

This test plan has been developed to check the functional and non-functional aspects of the website. The test team is charged with the responsibility of ensuring the website is accessible and features on it function properly.

The test team is responsible for testing the website for the functionality, usability and compatibility of it to ensure it meets the requirements of the user. The test team consists of the customer and the testers on this project.

1.3 Team Responsibilities

The testing team and their responsibilities are as shown below:

Resource Name	Job Title	Responsibility
Kunle Abiyi	Junior Tester	Test Case Documentation
Abike Omoni	Manual Tester	Manual Test Execution
Nifemi Kadri	Automation Tester	Write automation test scripts for test cases
Lazbat Babayale	Test Manager	Code and Documentation Review
Akeem Baiyewu	QA Engineer	Release Note

2. Test Coverage / Scope

2.1 In Scope

The scope of the project is to carry out the functional, usability and compatibility test on the following on <https://www.kobo360.com/>.

- sign-up button,
- sign-in button,
- move cargo button
- register truck button
- request quote button

2.2 Out of Scope

The out of scope aspects of the project are:

- Careers page
- Language
- Value added services: kobosafe, kobocare, payfasta
- Blog
- Contact us

3. Test Method / Approach

The project would involve functional testing of the web application.

Black box testing in which test users are not aware of the internal structure of the web application would also be used.

Some of the equipment used for the testing will include:

- Windows 10 functioning laptops with wifi connection
- Android phone from Android version 4, with mobile network and wifi connection
- Iphone from iOS version 4, with mobile network and wifi connection

Each tester would have these and access to the following web browsers:

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

Web applications would be tested based on the pass or fail performance of the in scope requirements. The Linux testing team would conduct daily meetings for progress reports till testing is complete.

3.1 Methods

1. Black box testing will play a large part of the testing process.
2. Appropriate test data for sign up/sign in pages would be generated.
3. Test for website quality, validation as well as user interface.

3.2 Approach

1. Manual tests will be performed for each in scope feature of the website and would be documented.
2. Automated unit tests are not part of the development process at this time.

4. Test Environment

Wireless network connection, and mobile SIMs with internet data access is required for all members.

Android and iPhone mobile devices with the appropriate operating system versions (from version 4) are also required for all members.

A desktop/laptop with all major tools installed was required as part of the test environment. The major tools used are Firefox, Chrome and Microsoft Edge. The mobile devices should have Safari, Firefox, Chrome and Opera Mini on them as well.

Google sheets, Microsoft Excel and Google drive are also to be used throughout the testing phase.

5. Milestones / Deliverables

5.1 Test Schedule

The initial test schedule follows - 13 / February / 2023 - 18 / February / 2023

Task Name	Team Members	Estimated effort	Start time	Comments
Requirement Analysis	Testing team	4 man hour	13/Feb/2023 10am	First step in STLC. The test team understands the requirements in terms of what will be tested
Test Planning	Test Lead, Testing team	8 man hour	13/Feb/2023 3pm	Initial stage of STLC where testing strategy is discussed
Create initial test estimates	Testing Team	2 man hour	14/Feb/2023 11am	A schedule is drawn up with an expected start and end date, and total man-hours involved
Test status report	Testing Lead, Test team	3 man hour	14/Feb/2023 1pm	Daily meeting to review test progress
Test case development	Testing team	8 man hour	15/Feb/2023 8am	Creation and verification of test cases and test scripts
Test environment setup	Testing team	2 man hour	15/Feb/2023 10am	Test environment setup in preparation for the actual testing
Test status report	Testing Lead, Test team	3 man hour	15/Feb/2023 1pm	Daily meeting to review test progress
Functional testing - iteration 1	Testing team	7 man hour	16/Feb/2023 8am	Execution of test cases begin
Bug report	Testing Lead	1 man hour	16/Feb/2023 12 noon	Logging of bugs on Trello Board
Test status report	Testing Lead, Test team	3 man hour	16/Feb/2023 1pm	Daily meeting to review test progress

Task Name	Team Members	Estimated effort	Start time	Comments
Resolution of final defects and bug report build testing	QA Engineers, Developers	8 man hour	17/Feb/2023 8am	Final stage of testing where the website is reviewed once again
Test summary report	Testing team	4 man hour	17/Feb/2023 5pm	Document detailing the total test cases along with the pass/fail status is created
Test Cycle closure	Testing Team	3 man hour	18/Feb/2023 1pm	Final meeting involving strategies to be implemented in future tests and lessons from current test cycle
TOTAL		56 man hour		Total expected man hours to be spent

5.2 Deliverables

Deliverable	For	Date / Milestone
Requirement Analysis	Testing Lead; Testing Team	13/Feb/2023
Test Plan	Testing Lead; Testing Team	13/Feb/2023
Test status report	Testing Lead; Testing Team	14/Feb/2023
Test case development	Testing Lead; Testing Team	15/Feb/2023
Test Environment setup	Testing Lead; Testing Team	15/Feb/2023
Test Execution	Testing Lead; Testing Team	16/Feb/2023
Test Results / Test Cycle closure	Testing Lead; Testing Team	18/Feb/2023

6. Milestones / Deliverables

6.1 Assumptions

This section lists assumptions that are made specific to this project.

1. Website was initially deployed without testing.

6.2 Risks

The following risks have been identified and the appropriate action identified to mitigate their impact on the project.

The impact (or severity) of the risk is based on how the project would be affected if the risk was 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	Team member's location	Low	Physical meet-up of testing team	Virtual meetings, and tools provided for team members to discuss progress report
2	Different time zones of team	Low	Setting of deadlines for team members	Setting of unique and smart deadlines for members with different time zones
3	Tight project schedule	Medium	Imminent project deadline	Increase official working hours of team members Increase team members.