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 deemed in and out of scope.

1.1. Business Background

Kobo360 is Africa's innovation leader in integrated logistics solutions and truck brokerage services.

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

It also innovates products and solutions that are robust and caters for all stakeholders in the supply chain network using big data and technology to reduce supply chain risks, logistics bottlenecks, manufacturing waste, low turn-around and loss of goods.

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

Kobo360 can be accessed by the customers through their website, their seamless mobile application, web applications or anyone who has 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:

- Register button
- Sign-in button
- Log-in button
- Register truck button
- Move cargo button
- Request a quote button, and
- Other products 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 in this Project.

1.3. Team Responsibilities

Resource Name	Role /Responsibility
Junior Tester	Test Case Documentation
Manual Tester	Manual Test Execution
Automation Tester	Write automation Test Script for Test cases
Test Manager	Code and Documentation Review
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 Kobo360

- Register
- Register truck
- Sign in
- Log in
- Move Cargo
- Request a quote

2.2. Out of Scope:

- Blog
- Language
- Careers Page
- 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 include the following:

- Windows 10 functioning laptops with wifi connection.
- An iphone with minimum iOS version 4, with mobile network and wifi connection
- An android phone

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

- Google Chrome
- Mozilla Firefox
- Microsoft edge

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 register / 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

Network connection (wired or wireless), and mobile SIMs with internet data access is required for all members.

A desktop/laptop with all major tools installed was required as part of the test environment. Mobile devices (Android and iPhone) with the appropriate operating system versions are also required for all members.

The major tools used are Firefox, Chrome and Microsoft Edge.

Google sheets, Microsoft excel and Google drive were also used throughout the testing phase.

5. Milestones / Deliverables

5.1. Test Schedule

The initial test schedule follows……. 29/05/2023 - 02/06/2023

Task Name	Members	Estimate effort	Start time	Comments
Requirement analysis	Testing team	3-man hour	29/05/2023 9:00pm	First step in STLC. The test team understands the requirements in terms of what will be tested
Test Planning	Testing lead, testing team	6 man-hour	29/05/2023 10:00pm	Initial stage of STLC where testing strategy is discussed
Create initial test estimates	Testing team	3 man-hour	29/05/2023 11:30pm	A schedule is drawn with an expected start and end date and total man hours involved
Test Status report	Testing lead, testing team	3-man hour	30/05/2023 9:00pm	Daily meeting to review test progress
Test case development	Testing team	6 man-hour	31/05/2023 9:00am	Creation and verification of test cases and test scripts
Test environment setup	Testing team	2 man-hour	31/05/2023 7:30am	Test environment setup in anticipation of actual testing
Test Status report	Testing lead, testing team	3 man-hour	31/05/2023 9:00pm	Daily meeting to review test progress
Functional testing iteration 1	Testing team	6 man-hour	01/06/2023 12:00am	Execution of test cases begins

Bug report	Testing lead	1 man hour	01/06/2023 1:00 am	Logging of bug on trello board
Test Status report	Testing lead, testing team	3-man hour	01/06/2023 9:00pm	Daily meeting to review test progress
Resolution of final defects and bug Report build testing	QA engineers, developers	6-man hour	02/06/2023 9:00am	Final stage of testing where the website is reviewed once again
Test summary report	Testing team	3-man hour	02/06/2023 12:00pm	Document detailing total test cases along with pass/fail status is created
Test cycle closure	Testing team	3-man hour	02/06/2023 9:00pm	Final meeting involving strategies to be implemented in future tests and lessons from current test cycles
TOTAL		**48 man-hour**		**Total expected man hours to be spent**

5.2. Deliverables

Deliverable	For	Date / Milestone
Requirement analysis	Test team captain, Test Team members	29/05/2023
Test Plan	Test team captain, Test Team members	29/05/2023
Test Status report	Test team captain, Test Team members	30/05/2023
Test case development	Test team captain, Test Team members	31/05/2023
Test Environment setup	Test team captain, Test Team members	31/05/2023
Test Execution	Test team captain, Test Team members	01/06/2023
Test Results / Test cycle closure	Test team captain, Test Team members	02/06/2023

6. Assumptions / Risks

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	Tight Project Schedule	Medium	Deadline of project	Increase official working hours of team members
2	Team member location	Low	Physical meet-up of testing team	Virtual meeting, and tools to be provided for all members to discuss progress report
3	Different time zones of team members	Low	Setting of deadlines for team members	Setting of unique deadlines for members with different time zones