**TEST PLAN**

**FOR**

**KOBO 360**

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# **1. Introduction**

The 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 was founded in 2018 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.

Their key focus has been to accelerate economic development and sustainable growth in Africa through a streamlined delivery process of raw materials from ports to the manufacturer; and finished goods from the manufacturer to the last-mile customer.

They use data analytics and artificial intelligence to reduce inefficiencies in last-mile delivery, provide transparency and visibility, reduce communication gaps within the entire ecosystem, optimise pick-ups and deliveries, and improve routes in real-time. Their predictive analysis also gives businesses valuable insights and enables them to make informed decisions, thereby enhancing productivity and improving customer experience.

## **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**

| **Name** | **Title** | **Role** |
| --- | --- | --- |
| Ayinde Abiola | Junior Tester | Document,enhance and update test cases |
| Sylvia Ofiani | Manual Tester | Detailed defect repo  Execute and update manual test cases as assigned |
| Adeniji Adetola | Automation Tester | Designing documentation for automated processes. |
| Ukah Johnson | Test Manager | Code and Documentation Review.  Planning, deploying and managing the testing effort. |
| Mary Daniel | Quality Assurance Engineer | Planning and controlling the testing process  Release Note. |

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# **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://kobo360.com/

* Register
* Sign in
* Request a Quote

## **2.2 Out of Scope**

* Search
* Language
* Contact
* Countries

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# **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

Windows 10

functioning laptops with wifi connection.

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

● Google Chrome

● Mozilla Firefox and

● 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:**

* Black box testing will play a large part of the testing process
* Appropriate test data for register/sign in pages would be generated
* 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**

A desktop/laptop with the following tools installed was required

as part of the test environment.

* Mozilla Firefox
* Google chrome
* Internet explorer,
* Google sheets,
* Microsoft excel and
* Google drive

Web Server, database, OS, and wireless network connection are required for all members.

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# **5. Milestones / Deliverables**

## **5.1 Test Schedule**

Detailed below are the initial test schedule follows…. 5/3/2023- 9/3/2023

| Task Name | Members | Start Time | Estimate Effort | Comment |
| --- | --- | --- | --- | --- |
| Requirement  analysis | Testing team | 5/3/2023  10:00pm | 3-man hour | First step in STLC. The test team understands  the requirements in  terms of what will be  tested |
| Test Planning | Testing team lead | 5/3/2023  11:00pm | 5-man-hour | Initial stage of STLC where testing strategy is discussed |
| Create initial test estimates | Testing team | 5/3/2023 11:30pm | 3-man-hour | A schedule is drawn with an expected start and end date and total man hours involved |
| Test Status report, testing team | Testing lead | 6/3/2023 10:00pm | 3-man hour | Daily meeting to review test progress |
| Test case development | Testing team | 6/3/2023 9:00am | 5-man-hour | Creation and verification of test cases and test scripts |
| Test environment setup | Testing team | 6/3/2023 8:30am | 2-man- hour | Test environment setup in anticipation of actual testing |
| Test Status report | Testing lead, testing team | 7/3/2023 9:00pm | 3-man hour | Daily meeting to review test progress |
| Functional testing iteration 1 | Testing team | 7/3/2023 1:00pm | 7-man-hour | Execution of test cases begin |
| Bug report | Testing lead 1 | 8/3/2023 1:00 am | 1-man hour | Logging of bug on trello board |
| Test Status report | Testing lead, testing team | 8/3/2023 9:00pm | 3-man hour | Daily meeting to review test progress |
| Resolution of final defects and bug report build testing | QA engineers,  developers | 9/3/2023  9:00am | 5-man hour | Final stage of testing where the website is reviewed once again |
| Test summary report | Testing team | 9/3/2020 12:00pm | 3-man hour | Document detailing total test cases along with pass/fail status is created |
| Test cycle closure | Testing team | 9/3/2023 9:00pm | 2-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 |

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## **5.2 Deliverables**

| **Deliverable** | **Name** | **For** | **Due Date** |
| --- | --- | --- | --- |
| Requirement Analysis | Ayinde Abiola | Test Team Member | 5/3/2023 |
| Test Plan | Mary Daniel | QA Director; Test Team Lead | 6/3/2023 |
| Test Status Report | Ukah Johnson | Test Team Member | 6/3/2023 |
| Test Case development | Adeniji Adetola | Test Team Member | 7/3/2023 |
| Test Environment Setup | Samuel Robert | Test Team Member | 7/3/2023 |
| Test Execution | Oshodi Jane | Test Team Member | 8/3/2023 |
| Test Result | Sylvia Ofiani | Test Team Lead | 9/3/2023 |

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# **6. Assumption/Risk**

## **6.1 Assumptions**

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

* delays in delivery of test items might require increased night shift scheduling to meet the delivery date
* Delivery of the product is in format that the test team can check into the Concurrent Version System.
* development team members will be available to provide support, training and defect resolution to the test team members as required.

## **6.2 Risk**

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.

| **NO** | **Risk** | **Impact** | **Triggered** | **Mitigation Plan** |
| --- | --- | --- | --- | --- |
| 1 | The scope was not completely defined. | High | Delays in implementation date | The scope has to be well defined. |
| 2 | The testing schedule has been tight.The test started late because of design tasks and, now, it cannot be extended beyond the UAT start date. | Medium | Deadline of project | The testing team can control the tasks in advance.Some buffer time can be added to the schedule. |
| 3 | The occurrence of any natural disaster. | Medium | Environmental Pollution, Climate Change | The teams have to be distributed into two geographical areas. This way, in case a natural disaster happens, the other team can continue the process further. |
| 4 | The unavailability or inaccessibility to an independent test environment. | High | Test Environment | This will impact the schedule of test execution and cause delay. |