TEST PLAN

FOR

KOBO360

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# 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.

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

It also provides a streamlined delivery process of raw materials from ports to the manufacturer; and finished goods from the manufacturer to the last-mile customer.

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, sell button, and 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** |
| --- | --- |
| 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 |

# 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/

- Register

- Sign in

- Request a quote

## 2.2 Out of Scope:

- About us

- Search

- Language

- Returns and Orders

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# 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 webbrowsers:

* Google Chrome
* Mozilla Firefox and
* Internet Explorer
* 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

Wireless network connection is 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 mozilla firefox, google chrome, microsoft edge and internet explorer.

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………. 28/07/2022 - 31/07/2022

| **Task Name** | **Members** | **Estimate effort** | **Start time** | **Comments** |
| --- | --- | --- | --- | --- |
| Requirement analysis | Testing team | 3-man hour | 28/07/2022 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 | 28/07/2022 10:00pm | Initial stage of STLC where testing strategy is discussed |
| Create initial test estimates | Testing team | 3 man-hour | 28/07/2022 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 | 29/07/2022 9:00pm | Daily meeting to review test progress |
| Test case development | Testing team | 6 man-hour | 29/07/2022 9:00am | Creation and verification of test cases and test scripts |
| Test environment setup | Testing team | 2 man- hour | 29/07/2022 7:30am | Test environment setup in anticipation of actual testing |
| Test Status report | Testing lead, testing team | 3-man hour | 29/07/2022 9:00pm | Daily meeting to review test progress |
| Functional testing iteration 1 | Testing team | 6 man-hour | 30/07/2022 12:00am | Execution of test cases begins |
| Bug report | Testing lead | 1 man hour | 30/07/2022 1:00 am | Logging of bug on trello board |
| Test Status report | Testing lead, testing team | 3-man hour | 30/07/2022 9:00pm | Daily meeting to review test progress |
| Resolution of final defects and bug report build testing | QA engineers, developers | 6-man hour | 31/07/2022 9:00am | Final stage of testing where the website is reviewed once again |
| Test summary report | Testing team | 3-man hour | 31/07/2022 12:00pm | Document detailing total test cases along with pass/fail status is created |
| Test cycle closure | Testing team | 3-man hour | 31/07/2022 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 spent |

## 5.2 Deliverables

| **Deliverable** | **For** | **Date / Milestone** |
| --- | --- | --- |
| Requirement analysis | Test team Captain, Test Team members | 28/07/2022 |
| Test Plan | Test team Captain, Test Team members | 28/07/2022 |
| Test Status report | Test team Captain, Test Team members | 29/07/2022 |
| Test case development | Test team Captain, Test Team members | 29/07/2022 |
| Test Environment setup | Test team Captain, Test Team members | 29/07/2022 |
| Test Execution | Test team Captain, Test Team members | 30/07/2022 |
| Test Results/Test cycle closure | Test team Captain, Test Team members | 31/07/2022 |

# 6. Assumptions / Risks

## 6.1 Assumptions

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

* 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 | Low | Deadline of project | Increase official working hours of team members |
| 2 | Team member location | Medium | Physical meet-up of testing team | Virtual meeting of all members to discuss progress report |
| 3 | Different time zones | Medium | Setting of deadlines for team members | Setting of unique deadlines for members with different time zones |