**TEST PLAN**

**IKEA**

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# **Introduction**

This Test Plan is focused on IKEA website,

IKEA has given Wayo the task to handle the quality assurance test.

Its within our responsibility to meet the customer's requirements and scegual and communications all in the final goal to provide IKEA with an amazing product.

This Test Plan will specify the objectives, Distribution of the project to the relevant entities, scope, schedule approach and risks.

# Objectives

WAYO objective is to fully understand the functionality of IKEA website with the future goal of implementing as many automation test possible.

On this project WAYO Qa and dev teams will apply the Agile model.

IKEA project haves two phases

* + Learning, understanding and functionality tests
  + Implementing future site versions

Time frame for phase one is 4 months starting on December/ 1/ 2022 – march/ 31/ 2023

Time frame for phase two is 2 months starting on April/ 1/ 2023– May/ 31/ 2023

# **Implementation**

* Testing teams.

|  |  |
| --- | --- |
| **teams** | **PO** |
| Qa Back-end team | Azim Abu Aziz |
| Qa Automation | Check Noris |
| Qa Manual team | Shmila Mekinrosh |
| DEV team | Natasha Romanov |

* Test environments and tools by teams.

Backend teams –

* + Postman (testing).
  + Stress /Load testing (special sever unit)
  + Splunk (bug tracking and data integrity).
  + Jira (test plans, test suits, test cases, bugs, and dashboard).
  + Git depository (content share and documentation).

Acceptance testing teams – manual

* + Test recording) documentation, bug report).
  + Jira (test plans, test suits, test cases, bugs, and dashboard).
  + Dev tools and Splunk (Bug reporting).

Acceptance testing teams – automation

* + Visual studios\ Selenium\C#.
  + Stress /Load testing (special sever unit)
  + Jira (test plans, test suits, test cases, bugs, and dashboard).
  + Dev tools and Splunk (Bug reporting).
  + Git depository (content share and documentation, dev branches).

Dev teams

* + Access to Site source code. (Java script).
  + Jira (test plans, test suits, test cases, bugs, and dashboard)
  + Postman (testing).
  + Splunk (bug tracking and data integrity).
  + Git depository (content share and documentation, dev branches).
* Test method and types. (Agile model)

Backend teams –

* + User security and privacy
  + Functionality. (Insure to get the proper codes for each test)
  + Sanity testing.
  + Regression.
  + exploratory testing. (For example, delete mandatory non mandatory fields how it effects the response) …

Acceptance testing teams – manual

* + Functionality.
  + Sanity testing.
  + Regression.
  + exploratory testing. (For example: check user cart with different browsers and terminals, check if cart content is the same.) …

Acceptance testing teams – automation

* + Functionality. By automation system (goal is to ensure all products can be selected, add to cat, remove from cart and ordered to preferable destination)
  + Stress / Load testing (special sever unit)

Dev teams

* + Code adjustment after bug has been discovered and resend the service back to Qa.
  + Support test team (for example apply easy XPath convention, understanding the different services).
* Bugs severity classification
  + Urgent – (for example bug code 500, wrong price, wrong product, wrong data).
  + Very high – (specific user can’t login).
  + High – (rare bugs that are not recreating, bug code 404).
  + Medium – (rare bugs that are not recreating, UI, UX problems).

\*\*Since this is an Agile method, subjects like adding new tests will change accordingly in future document updates.

# Scope:

First phase:

* 1. Learning, understanding and functionality tests

Each team will examine the site manually to familiarize with it contend, different applications, challenges.

(Write every idea as soon you think of one for future test, UI remarks and more)

* + - * Automation and manual teems will set sector boundaries:

Which scrips will be manual (exploratory and tests that both teams agree not worth the automation development time.

* + - Teems will start writing tests scripts (functionality testing).

Teems will start implementing scrips to Jira and apply them.

* + - Automation and backend teems will start working on framework for testing.

Teams will start implementing scrips to Jira and apply them.

* + - Bug fixes and sanity tests.

Bug fixes and sanity tests is a part of testing routine, ensure to report each bug

To Jira, appoint the relevant connection, Use of minimal and high-quality text

And apply Splunk, screen shots.

Second phase

* 1. Implementing future site versions
     + Teams should adjust the schedule of future site update (weekly versions).

By this time, most of the tests will be based on automation.

* + - Automation teems will expand the checking scope:

start working on automation version in an effort to transfer most of the tests to automation tests in a way.

New products will need only to be added to the latest automation

version.

* + - Daly sanity tests.

Will be supported with automation testing (old / new website versions).

\*\*Since this is an Agile method, scoping might get wider in future document updates.

# Assumptions / risks:

* Qa teams’ readiness.: phase1
  + 1. Qa teams that assigned for IKEA operation should be available from previous projects to focus only on IKEA website.
    2. If Pm notice any time delay which is caused by a lack of manpower should rase ask for more manpower form other projects.
    3. Po’s should be aware If a certain issue that causes a delay to the schedule, the Po should provide solution, if the issue not resolved in a reasonable time, then Po’s responsibility to make the issue known to the Pm for additional assistance.
    4. Testers should be familiar with their team colleges projects that they may fill in if a certain individual is absent.
* risks.
  + 1. Underestimate the complexity of the project and given a not realistic timeframe.
    2. Absent of individual that may cos a future delay.

# Team approach:

* Cooperation between Qa teams and programs.

We expect our testers to support each other, not hold any information and good friendly spirit between the teams

* Teams’ communications
  + 1. Each team Po responsible for daily update as a morning routine and regular communication with Pm
    2. Each team will have a weekly meeting for updates.
    3. Weekly sprints.
    4. It is preferred that communication will start with Po and not directly to specific person unless Po as authorized for one on once communications, this is important for fluence and focused work, Po will use his judgment to relocate communication to witch tester will handle a specific issue.
    5. Communication with customer:
       1. At the beginning of the project only the Pm is allowed a direct communication with customer.
       2. If communication is positive and productive on later date Dev team Po will be allowed to have a direct communication with customer and other.

\*\*Since this is an Agile method, communication restrictions will change in future document updates.

# Milestones.

1. Schedule by phases:
   * 1. Time frame for phase one is 4 months starting on December/ 1/ 2022 – march/ 31/ 2023
     2. Time frame for phase two is 2 months starting on April/ 1/ 2023– May/ 31/ 2023
2. Milestones by phases:
   * + 1. Automation and manual teems will set sector boundaries
       2. Teems will start writing tests scripts (functionality testing)
       3. Automation and backend teems will start working on framework for testing.
       4. Bug fixes and sanity tests as a part of daily bases
       5. Reaching all goals march/ 31/ 2023
       6. Teams should adjust the schedule of future site update (weekly versions).
       7. Automation teems expand the checking scope.
       8. Daly sanity tests.
       9. Reaching all goals May/ 31/ 2023