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| TWG |
| **Test Plan for WikiWash** |
|  |
| **Foram Mali** |
| **5/8/2017** |

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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.

* 1. **Objective**

The test objectives are to verify the Functionality of website WikiWash. It is a free public tool that allows users to track and examine edits to Wikipedia in real-time. QA team is responsible for testing the product and ensuring all these operation can work normally in real business environment.

1. **SCOPE**

The overall purpose of testing is to ensure our application meets all of its technical, functional and business requirements. The purpose of this document is to describe the overall test plan and strategy for testing our application. The approach described in this document provides the framework for all testing related to this application. Individual test cases will be written for each version of the application that is released. This document will also be updated as required for each release.

* 1. **Feature to be tested**

I will perform testing on functional requirement, non-functional requirement, UI Layouts, smoke integration and UAT for WikiWash

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WikiWash** | | | | | | | | | | | | | | |
| Browsers | Mozilla Firefox | | | | | | Google Chrome | | | | | Edge | | |
| 53.0 | One lower version | | | | | 58.0.30 | | One lower version | | | 38 | One lower version | |
| Mobile Emulator/ Real Device | **iPhone** | | | | | | **Android** | | | | **iPad** | | | |
| 7s+ | | 7s | 6s+ | 6s | 5s | S8 | S7 | | S6 | iPad Pro | | iPad Air | iPad Mini |
| Home page | * Check the logo for all the page(Note: check all the logo and title name in each and every page and logo link ) * Check all the link in home page * Search function (Wash Function) * Header, footer, side menu | | | | | | | | | | | | | |
| Common features | * Check all the UI/UX for entire site * Check Cross browser compatibility (Mobile, Desktop, iPAd, Responsiveness) | | | | | | | | | | | | | |
| Social Media & Partner integration | * Check all the link for the Social Media * Check all the link for the partners link | | | | | | | | | | | | | |
| Detail page | * Check all the link and functionality * Search function * Check Removed and Added function and observed reaction(Red = Removed Text; Green = Added Text) * Try to download or export real time edits history as .CSV file to analyze them * Try to make any changes in real Wikipedia and check real time reaction in Wikiwash page * Check the list of edit on the left, you can see all the changes with the Numbers appears beside the edit summary (Red = No of Characters removed; Green = No of characters added ) | | | | | | | | | | | | | |

* 1. **Feature not to be tested**
* Hardware Interfaces
* Website Security

1. **TEST ENVIRONMENT**

This section identifies the resources that are needed for testing. This should include requirement needed to support the tests.

* 1. **Software Requirements**
* Cross Browsers supported (Edge, Mozilla Firefox, Chrome )
* Mobile Emulator (iPad, iPhone, Android, Blackberry ,Google Nexus )
  1. **Real Device**
* Client Platform: PC, Mobile, iPad/Tablet
  1. **Project Resources**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Browsers/ Mobile Emulator/ Real device | Responsibilities | Assign By | Assign To | Start Date | Submit Date |
| Mozilla Firefox, Safari, Google Chrome, Edge, iPhone, iPad/ Tablet/ Android | * Test full application(All the Module which I mention above) * Execute Test Cases * Find, report and track defects * Analyze results | Foram | Developer Team | May 4, 2017 | May 8, 2017 |

1. **TEST STRATEGIES/TECHNIQUES**

This section of documents describes Test design and Test data for our application. The project is using agile approach, with weekly iterations. At the end of each week the requirements identified for that iteration will be delivered to the team and will be tested manually and with automation.

* 1. **TEST DESIGN**

Considering the scope of the project and the time limitations, I will be performing following tests

* + 1. **Test/Bug Types**

1. **Unit Test**: This test verifies the program logic and based on the knowledge of the program structure. Verify the input data length specified in each form, classes and interaction with database

**For example:** String format, Integer number format, Empty field, Special characters

1. **Integration Test:** This test verifies the entire system’s functionality according to the design specification.
2. **Business Requirements:** This test verifies whether specific requirements of the customer are met.
3. **Acceptance Testing:** This test verifies whether the system needs to meet the initial objectives and customer’s expectations.
4. **Graphical User Interface Testing:** Bugs that affect the presentation, layout or looks of pages, images, form elements

**For example:** Misalignment, broken images, buttons, wrong sized graphic element, inconsistent colors on a link, menu, etc.

1. **Functional Testing**: Bugs that produce an unexpected/illogical application behavior where the end result differs from the expected result.

**For example:** Wash/Search returns the wrong results, clicking on a link takes you to page X instead of the intended page Y, etc.

1. **Technical Testing:** Bugs that produce error messages or malfunctions of the Site.

For example: Any error when trying to load a page, the application hangs for a long time, the application crashes, JavaScript error, etc.

* + 1. **Bug Priority**

1. **Critical:** Bugs that are mission critical to the core functionality of the application. These bugs absolutely must be fixed before release.
2. **High**: Bugs that are related to the core functionality of the application, but don’t have to be fixed before product launch. However, these bugs should be fixed in the first available patch or release after launch.
3. **Medium**: Bugs that do not affect any critical functionality.

**For example:** In Wikiwash site, Search results page that displays the right results, but formats incorrectly in browsers etc.

1. **Low**: Bugs that do not interfere with core functionality and are just annoyances that may or may not ever be fixed.
2. **DEFECT RESPONSIBILITY/RESOLUTION**

Possible defects identified through manual testing will be discussed with development team members to verify that the observed behavior constitutes a defect. Defects found will be tried to be resolved.

**Exit Criteria**

Testing can proceed to the next stage of the process when a sufficient proportion of the current stage has been completed All exit criteria should be satisfied by the end of the project.

1. **GOALS AND DELEVERABLES**

Goals and deliverables of the test plan of our application are as follows:

* 1. **Goals:**
* To accomplish all tasks described in this test plan.
* To install a measurable, improvable, repeatable, and manageable test process.
* To verify the functionality and content of the current version of the application.
* To reduce the frequency of error associated with manual testing.
* To find and successfully track 100% of defects present along the client path defined in this plan.
  1. **Deliverables:**
* Test Planning Stage
* Test Execution and Defect Tracking Stage
* Evaluation and Improvement