Avalon

Test Plan

Version 0.2

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Revision History

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12/04/2019	0.1	Creation	Bogdan Stishenko
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Test Plan

1. Introduction

The purpose of the given Test Plan is the testing description of a content management system Avalon. The document helps to get a better understanding about the scheduled work of a testing project.

Avalon – is a content management system (CMS) for creating, managing and posting content by editorial teams.

The goal of testing the CMS is the thorough verification of all the features in different browsers, their versions with the typical scripts of its usage.

This document describes approaches and methodologies that will apply to the module, integration and system testing of the "http://avalon-admin-stage.asqq.io" and system testing of the "http://avalon-front-stage.asqq.io". It includes the objectives, test responsibilities, entry and exit criteria, scope, schedule major milestones, entry and exit criteria and approach. This document has clearly identified what the test deliverables will be, and what is deemed in and out of scope.

Testing will be conducted by manual testing using the black box method. To select test data, we plan to use the method of equivalent classes and boundary values. When getting a new build in testing, we will always start working with Smoke Tests.

2. Documentation and testing tools

1. Wiki documentation;
2. Publishing:
   - Full guide;
   - Life cycle guide;
   - Scheme of lifecycle;
   - Roles;

3. Video Process:
   - Avalon Video Manual;
   - Video Collections Process;
   - Video Animation;

- [Video License + Viral Hog](#);
- [Studio Avalon Guide](#);
- [Production Avalon Guide](#).
4. Api documentation.

Bug tracking system	[Jira 3.3.0](#)
Test management tool	[TestRail](#)

3. Features to be tested
1. Authorization.
2. System Search.
3. Tasks:
   - Create tasks;
   - Reassign task;
   - Task actions;
   - Tasks list.
4. Ideas:
   - Create idea;
   - Review idea;
   - Rework idea;
   - Moderation idea;
   - Idea actions;
   - Ideas list.
5. Posts:
   - Create post;
   - Review post;
   - Rework post;
   - Moderation post;
   - Correction post;
   - Translation post;
   - Publication post;
   - Posts lists;

- Posting schedule.
6. Snippets:
   - Create snippet;
   - Review snippet;
   - Rework snippet;
   - Moderation snippet;
   - Snippets list.
7. Media files.
8. Settings:
   - General;
   - Directories;
   - Users list;
   - Roler configuration;
   - Post production configuration;
   - Video production configuration.
9. Notifications.
10. Video production:
   - Video Idea;
   - Scenario;
   - Raw;
   - Images;
   - Video without Captions;
   - Translations;
   - Image translations;
   - Videos.

4. Features not to be tested

11. Interactive content.
12. Reporting:
   - Time Tracker PRO;
   - LB history sheet;
   - Clone post report;
   - Timetracker;

- Media files;
- Quality sheet;
- Project statistic sheet.

5. Test strategy

Understanding Requirements:
- Requirement specifications will be sent by client.
- Understanding of requirements will be done by QA

Preparing Test Cases: QA will be preparing test cases based on the exploratory testing. This will cover all scenarios for requirements.

Creating Test Data: Test data will be created by respective QA on test site based on scenarios and Test cases.

Executing Test Cases:
- Test cases will be executed by respective QA on client's development/test site based on designed scenarios, test cases and Test data.
- Test result (Actual Result, Pass/Fail) will updated in test case document Defect Logging and Reporting: QA will be logging the defect/bugs in Word document, found during execution of test cases. After this, QA will inform respective developer about the defect/bugs.

Retesting and Regression Testing: Retesting for fixed bugs will be done by respective QA once it is resolved by respective developer and bug/defect status will be updated accordingly. In certain cases, regression testing will be done if required

6. Testing Types

Functional Testing: carried out in order to find out unexpected behavior of the report. The characteristic of functional testing are to provide correctness, reliability, testability and accuracy of the output data.

Cross Browser Testing: to check the correct work and user interface of the website in different browsers.

Browsers:
- Google Chrome (latest);
- Opera (latest);
- Firefox (latest);
- Internet Explorer (latest).

<u>GUI Testing</u>: will include testing the UI part of the report. It covers error messages, spelling mistakes, GUI guideline violations.

<u>Usability testing</u>: the goal is to identify any usability problems, collect qualitative and quantitative data and determine the participant's satisfaction with the product.

7. Entry and exit criteria

7.1 Entry Criteria
1. All test hardware platforms must have been successfully configured and functioning properly.
2. All the necessary documentation, design, and requirements information should be available that will allow testers to operate the system and judge the correct behavior.
3. All the standard software tools including the testing tools must have been successfully installed and functioning properly.

7.2 Exit Criteria
1. A certain level of requirements coverage has been achieved.
2. No high priority or severe bugs are left outstanding.
3. All high-risk areas have been fully tested, with only minor residual risks left outstanding.
4. All defects found are documented.

8. Suspension criteria and resumption requirements

8.1 Suspension criteria
1. The build contains many serious defects which seriously or limit testing progress;

2. Significant change in requirements suggested by client;

3. Software/Hardware problems;

4. Assigned resources are not available when needed by test team.

8.2 Resumption criteria

Resumption will only occur when the problem(s) that caused the caused the suspension have been resolved.

9. Final Results

The final result is a documented final result of testing process with the bug descriptions and also with some recommendations and suggestions for further improvement of the given product from the user's point of view.

The result of the testing process will be the following documents:

- Conclusion of the testing team regarding the general condition, giving the developers and managers of this product a picture of the correctness of the service;
- Report on the results of testing the current coverage, typical use cases;
- Documented bugs in the customer's error tracking system, or a document with all the bugs exported from the executor's error tracking system.

10. Approvals

	Project Manager	QA
Name	Anna Shliakhova	Bogdan Stishenko