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| CrossOver |
| CMS Application |
| Test Plan |
|  |
| **Jagadeesan** |
| **4/12/2019** |

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| This document contains high level test plan of CMS application. |

**Revision and Signoff Sheet**

**Document History** - To maintain a list of changes being made

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| --- | --- | --- | --- |
| Version | Date | Author | Description of Change |
| 1 |  | Jagadeesan | Draft |

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# 1. Introduction:

This test approach document describes the appropriate strategies, process, workflows and methodologies used to plan, organize, execute and manage testing of software projects Crossover TechTrial QA CMS. This document introduces

* Test Strategy: rules the test will be based on, including the givens of the project (e.g.: start / end dates, objectives, assumptions); description of the process to set up a valid test (e.g.: entry / exit criteria, creation of test cases, specific tasks to perform, scheduling, data strategy).
* Execution Strategy: describes how the test will be performed and process to identify and report defects, and to fix and implement fixes.

CrossOver QA CMS has ghost editor which is a effective tool where user can use it as a platform to publish bogs. It has admin panel and front end which offers wide range of functionality for bloggers.

# 2. Test Objective:

The objective of the test is to verify that the functionality of CROSSOVER TECHTRIAL QA CMS – Using Ghost Editor works according to the specifications.

The test will execute and verify the test scripts, identify, fix and retest all high and medium severity defects per the entrance criteria, prioritize lower severity defects for future fixing via CR.

The final product of the test is twofold:

* A production-ready software;
* A set of stable test scripts that can be reused for Functional and UAT test execution.

# 3. Review and Sign-Off:

|  |  |  |  |
| --- | --- | --- | --- |
| S.NO | TITLE | NAME | SIGN OFF STATUS |
| 1 | Product Manager | Crossover team | Yet to |
| 2 | Project Delivery manager | Crossover team | Yet to |
| 3. | Development Manager | Crossover team | Yet to |
| 4. | QA Manager | Jagadeesan | Signed off |

# 4. Testing Approach:

* Testing will be focused on meeting the business objectives, cost efficiency, and quality.
* There will be common, consistent procedures for all teams supporting testing activities.
* Testing processes will be well defined, yet flexible, with the ability to change as needed.
* Testing activities will build upon previous stages to avoid redundancy or duplication of effort.
* Testing environment and data will emulate a production environment as much as possible.
* Testing will be a repeatable, quantifiable, and measurable activity.
* Testing will be divided into distinct phases, each with clearly defined objectives and goals.
* There will be entrance and exit criteria.

# 5. Scope and Levels of Testing

## Exploratory

**PURPOSE**: the purpose of this test is to make sure critical defects are removed before the next levels of testing can start.

**SCOPE**: First level navigation, dealer and admin modules

**TESTERS**: Testing team.

**METHOD**: this exploratory testing is carried out in the application without any test scripts and documentation

**TIMING**: at the beginning of each cycle.

## Functional Test

Functional testing will be performed to check the functions of application. The functional testing is carried out by feeding the input and validates the output from the application. All the business work flow would be validated and it should satisfy User acceptance criteria.

# 

# 5. Test Pass / Fail Criteria:

All the issues will be reported in Excel or Word doc. The test would be halted if there is any blocker bug found in testing such that the system as such is not in testable state. Developers would be informed immediately about the issue and fix has to be delivered as per ETA agreement.

Below is the bug severity classification.

|  |  |  |
| --- | --- | --- |
| **Severity ID** | **Severity Level** | **Severity Description** |
| 1 | Blocker | The module/product crashes or the bug causes non-recoverable conditions. System crashes, GP Faults, or database or file corruption, or potential data loss, program hangs requiring reboot are all examples of a Sev. 1 bug. |
| 2 | Critical | Major system component unusable due to failure or incorrect functionality. Sev. 2 bugs cause serious problems such as a lack of functionality, or insufficient or unclear error messages that can have a major impact to the user, prevents other areas of the app from being tested, etc. Sev. 2 bugs can have a work around, but the work around is inconvenient or difficult. |
| 3 | Medium | Incorrect functionality of component or process. There is a simple work around for the bug if it is Sev. 3. |
| 4 | Minor | Documentation errors or signed off severity 3 bugs. |

**Priority List**

|  |  |  |
| --- | --- | --- |
| **Priority ID** | **Priority Level** | **Priority Description** |
| 5 | High | This bug must be fixed immediately; the product cannot ship with this bug. |
| 4 | Medium | These are important problems that should be fixed as soon as possible. It would be an embarrassment to the company if this bug shipped. |
| 3 | Normal | The problem should be fixed within the time available. If the bug does not delay shipping date, then fix it. |
| 2 | Low Priority | It is not important (at this time) that these bugs be addressed. Fix these bugs after all other bugs have been fixed. |
| 1 | Trivial | Enhancements/ Good to have features incorporated- just are out of the current scope. |

# 6. Test deliverables:

Below are test deliverables

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Deliverable Name** | **Author** | **Reviewer** |
| 1. | Test Plan | Test Lead | Project Manager/ Business Analyst’s |
| 2. | Functional Test Cases | Test Team | Business Analyst’s Sign off |
| 3. | Logging Defects in Spreadsheet | Test Team | Test Lead |
| 4. | Daily/weekly status report | Test Team/ Test Lead | Test Lead/ Project Manager |
| 5. | Test Closure report | Test Lead | Project Manager |

# 7. Test Acceptance Criteria:

1. Approved Functional Specification document, Use case documents must be available prior to start of Test design phase.
2. Test cases approved and signed-off prior to start of Test execution
3. Development completed, unit tested with pass status and results shared to Testing team to avoid duplicate defects
4. Test environment with application installed, configured and ready to use state

# 7. [Entry & Exit Criteria](http://selenium-beginner.blogspot.sg/2013/01/entry-exit-criteria.html):

## Entry Criteria:

* All developed code must be unit tested. Unit and Link Testing must be completed and signed off by development team.
* Functional and Business requirement should be cleared, confirmed and approved.
* Test plan, test cases reviewed and approved.
* Test environment/test ware gets prepared
* QA/Tester gets significant knowledge of application.

## Exit Criteria:

* Test cases completed with certain percentage passed.
* Coverage of code/functionality/requirements reaches a specified point
* All defects are fixed or closed.
* All the test cases have been executed and passed.
* The risk in the project is under acceptable limit.

# 8. Suspension Criteria and Resumption Requirements

This section should be defined to list criteria’s and resumption requirements should certain degree and pre-defined levels of test objectives and goals are not met.

Please see example below:

Testing will be suspended on the affected software module when Smoke Test (Level 1) or Critical Path (Level 2) test case bugs are discovered after the 3rd iteration.Testing will be suspended if there is critical scope change that impacts the Critical Path

A bug report should be filed by Development team. After fixing the bug, Development team will follow the drop criteria (described above) to provide its latest drop for additional Testing. At that time, adopters will regress the bug, and if passes, continue testing the module.

# **9. Bug Reporting & Triage Conditions**:

Please add Bug reporting and triage conditions that will be submitted and evaluated to measure the current status.

1. Bug find rate indicates a decreasing trend prior to Zero Bug Rate (no new Sev. 1/2/3 bugs found).
2. Bug find rate remains at 0 new bugs found (Severity 1/2/3) despite a constant test effort across 3 or more days.
3. Bug severity distribution has changed to a steady decrease in Sev. 1 and 2 bugs discovered.
4. No ‘Must Fix’ bugs remaining prior despite sustained testing.

# 10. Reports:

The Test Lead will be responsible for writing and disseminating the following reports to appropriate project personnel as required.

### Testing status reports

A weekly or bi-weekly status report will be provided by the Test Lead to project personnel. This report will summarize weekly testing activities, issues, risks, bug counts, test case coverage, and other relevant metrics.

### Phase Completion Reports

When each phase of testing is completed, the Test Lead will distribute a Phase Completion Report to the Product manager, Development Lead, and Program Manager for review and sign-off.

The below bullets illustrates an example of what the document may include.

The document must contain the following metrics:

1. Total Test Cases, Number Executed, Number Passes / Fails, Number Yet to Execute
2. Number of Bugs Found to Date, Number Resolved, and Number still Open
3. Breakdown of Bugs by Severity / Priority Matrix
4. Discussion of Unresolved Risks
5. Discussion of Schedule Progress (are we where we are supposed to be?)

**Test Final Report - Sign-Off**

A Final Test Report will be issued by the Test Lead. It will certify as to the extent to which testing has actually completed (test case coverage report suggested), and an assessment of the product’s readiness for Release to Production.

# 11. Test Effort Estimate:

All the testing is done manually. There will be one dedicated QA for the CMS QA project. Attached effort sheet. Automation is planned later once the system is stabilized.



Effort estimation 1

# 12. User Acceptance Test (UAT)

**PURPOSE**: this test focuses on validating the business logic. It allows the end users to complete one final review of the system prior to deployment.

**TESTERS**: the UAT is performed by the end users (L1, L2 and L3).

**METHOD**: Since the business users are the most indicated to provide input around business needs and how the system adapts to them, it may happen that the users do some validation not contained in the scripts. Test team write the UAT test cases based on the inputs from End user (L1,L2 and L3 users) and Business Analyst’s.

**TIMING**: After all other levels of testing (Exploratory and Functional) are done. Only after this test is completed the product can be released to production.

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# 13. Test Environment:

Crossover Tech Trial QA CMS – GHOST EDITOR’s servers will be hosted at X company’s site.

A windows environment with Internet Explorer 8, 9 and 10, and with Firefox 27.0, as well as Google Chrome 32.0 and later should be available to each tester.

# 14. Test tools:

* Microsoft Office tools like Excel and Word will be used extensively for documentation and reporting purpose.
* Bugs would be reported and tracked using Microsoft excel sheet.