**Torrecamps Marketing**

**Test Plan**

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9. **Introduction**

The Inventory System & Ordering System Project’ is a web-based solution designed to streamline inventory and ordering processes. The client will be using a website through a server to run the application. The project team uses both Laravel and Node.js for project development.

The Systems Administration Management System is a web-based system in which it has two types of users the admin site and the front end, which is the staff. The system will be able to manage equipment’s/items and administer the barrowing and requesting processes of the staff, it also has Server and Database management to manage all the servers and database information.

* 1. **Purpose**
     + This test plan is aimed to ensure if all Functional and Design Requirement (Performance and GUI) are well implemented and have met the demand of the client
     + This is a Test Plan for the Systems Administration Management System
     + Identify required resources of test processes
  2. **Scope**
     + This is a Test Plan for the Systems Administration Management System
  3. **References**
     + SAMS – Mockflow
     + SAMS – Use Case
  4. **Document Terminology**

|  |  |
| --- | --- |
| SAMS | System Administration Management System |
| PM | Project Manager |
| BA | Business Analyst |
| QC | Quality Control |
| TP | Test Plan |
| UC | Use Case |
| TC | Test Case/s |
| GUI | Graphical User Interface |

1. **Test Areas and Specifications**
   1. **Features to be tested**

|  |  |  |  |
| --- | --- | --- | --- |
| **UC No.** | **UC Name** | **Test Type** | **Build No.** |
| **UC 01** | Manage Customer Profile | Functional, GUI,  Performance | 001 |
| **UC 02** | Manage Order | Functional, GUI,  Performance | 001 |
| **UC 03** | Manage Inventory | Functional, GUI,  Performance | 001 |
| **UC 04** | Manage Report | Functional, GUI,  Performance | 001 |
| **UC 05** | Manage Suppliers | Functional, GUI,  Performance | 001 |

1. **Test Cycle Transition**
   1. **Entry Criteria**
      * Requirements are the project's documentation and system
      * Must understand the system flow
      * The documentation is complete and includes the use cases and user stories factors of the system flow
      * The system is complete and ready for release
      * The system is ready for testing
   2. **Exit Criteria**
      * Test cases are recorded and tested
      * Test case execution of the system is complete
      * No additional bugs found, or found during the re-test of the system
      * If needed, prepare a test automation script for the system
   3. **Continuation Criteria** 
      * Bugs are minor, that are sort of fixed and doable and isn’t in a termination criteria
      * Requested to do, continue or execute a test
      * New test cases updated to be tested
      * Immediate cases fixed for to be tested
   4. **Termination Criteria**
      * Plenty of bugs found or bugs found multiple times within the system
      * The system broke upon or during testing
      * Incomplete deliverables, cases, or stories within the document
      * Wrong method of configuration, either the system or environment
2. **Milestone**

|  |  |  |
| --- | --- | --- |
| **DELIVERABLES** | **DATE START** | **DATE END** |
| **Develop Test Plan** | 08/28/2023 | 09/04/2023 |
| **Develop Strategy Plan** | 08/28/2023 | 09/04/2023 |
| **Develop Traceability Matrix** | 09/04/2023 | 09/12/2023 |
| **Update and Review Test Plan** | 09/04/2023 | 09/25/2023 |
| **Update and Review Strategy Plan** | 09/04/2023 | 09/25/2023 |
| **Update and Review Traceability Matrix** | 09/12/2023 | 09/25/2023 |
| **BUILD 001** | | |
| **Test Case** | 09/12/2023 | 09/25/2023 |
| **Execute TC – Build 001** | 09/15/2023 | 09/25/2023 |
| **Test Log/Reports** | 09/20/2023 | 09/25/2023 |
| **Review/Update Test Cases** | 09/25/2023 | 09/28/2023 |
| **Archive Documents for Build 001** | 09/28/2023 | 09/28/2023 |

1. **Test Deliverables and Execution**
   1. **Key Participants**

|  |  |  |
| --- | --- | --- |
| **Name** |  | **Role** |
| **Marcus Medina** |  | Scrum Member |
| **Ken Angelo Carangan** |  | Product Owner |
| **Jan Terrence Francisco** |  | Scrum Master, Lead Programmer |

* 1. **Bug Tracking**

Jira – The testing team will be using Jira, a commercial software that is mainly used for bug tracking, issue tracking, and project management in order to have a seamless testing environment so that the quality of the final product will be improved upon.

TestLink – The testing team will use TestLink, for documentation of test cases during the test case execution of the system.

* 1. **Bug Isolation**

|  |  |
| --- | --- |
| **Status** | **Resolution** |
| **Open**  **The issue is open and ready for the assignees to start work on it** | **Fixed (Default)**  A fix for the issue is checked into the three and tested. |
| **In Progress**  **This issue is being actively worked on at the moment by the assignees.** | **Won't Fix**  The problem described is an issue which will never be fixed. |
| **Reopened**  **This issue was once resolved, but the resolution was deemed incorrect.** | **Duplicate**  The problem is a duplicate of an existing issue. |
| **Resolved**  **A resolution has been taken, and it is awaiting verification by a reporter. From here issues are either reopened or are closed.** | **Incomplete**  The problem is not completely described. |
| **Closed**  **The issue is considered finished, the resolution is correct. Issues which are closed can be reopened.** | Cannot Reproduce  All attempts at reproducing this issue failed, or not enough information was available to |

|  |  |
| --- | --- |
| **Priority Levels** | **Impact of Bug** |
| **Blocker** | Impact of a bug |
| **Critical** | Blocks development and/or testing work, production could not run. |
| **Major** | Crashes, loss of data, severe memory leak. |
| **Minor** | Major loss of function |
| **Trivial** | Minor loss of function, or other problem where easy workaround is present. |

* 1. **Test Reports**

Evaluate test results after test case execution in every build; test summary with graphs and bug status to be submitted to PM and QC team.

* 1. **Test Release Management**

Test release is handled by the Lead Developer and QC Lead, after every build a sanity test will be conducted to prevent further bugs from occurring.

1. **Environmental Needs**
   1. **Hardware and Software**

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| --- | --- | --- |
| **Resource** | **Configuration** | **Installed OS, Software** |
| **Test Server** | Server Specifications:  QUBE Huntkey Clone CPU AMD Athlon II X4 630 Processor @ 2.8GHz  (Quad Processor) 8 GB RAM  3 500GB SATA Hard Disk  RAID Configuration: Software RAID 1/5 (Software RAID 1 for its bootable partition) (Software RAID 5 for its  operating system and Open VZ) | Linux Distribution Installed:  Centos 5.7 64 bit updated with the latest OpenVZ (latest)  OpenSUSE 11.4 64 bit Installed as a virtual server within OpenVZ and installed with the latest patches |
| **Client Machine** | +CPU Core 2 Duo  +RAM: 2GB | Windows 7 32-bit  Mozilla Firefox 7.0 Browser |

* 1. **Productivity and Support Tools**

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| --- | --- | --- | --- |
| **Tool's Purpose** | **Tool Name** | **Vendor or in-house** | **Version** |
| **Bug Tracking Management** | Jira | Atlassian | 4.4 |
| **Test Management** | Testlink | Open Source | 1.9.2 |
| **Documentation** | MS Word, MS Excel | Microsoft Office | 2010 |
| **Revision Control System** | GForge | Open Source | 5.7 |

* 1. **Test Environment Configuration**

|  |  |  |
| --- | --- | --- |
| **Configuration Name** | **Description** | **Implemented in Physical Configuration** |
| **Test Server** | Install test server at system admin test server | Open VZ |

1. **Planning Risks and Contingencies**

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| --- | --- | --- |
| **Risk** | **Mitigation** | **Contingency (Risk is realized)** |
| **Unpredictable test results** | Make sure that strategies and  techniques for each function are cautiously developed. | Do the best possible way to  have the function work properly |
| **Not enough time to test** | Optimize the test schedule and define overtime strategy at the beginning | Increase human resource and software testing tools |
| **Lack of resource for test** | Request IT soon to support the system resource | Use personal resource |
| **Additional request for updates** | Make sure that the scope is limited to a build | Be clear and be strict with the scope that was defined for the build |

1. **Approvals**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Role** | **Signature** | **Date** |
| **Marcus Medina** | Scrum Member | |  |
| **Ken Angelo Carangan** | Product Owner | |  |
| **Jan Terrence Francisco** | Scrum Master,  Lead Programmer | |  |