Torrecamps Marketing

Test Plan

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I. 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.

a. 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

b. Scope

- This is a Test Plan for the Systems Administration Management System

c. References

- SAMS – Mockflow
- SAMS – Use Case

d. 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

II. Test Areas and Specifications

a. 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

III. Test Cycle Transition

a. 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

b. 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

c. 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

d. 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

IV. 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	09/30/2023
Execute TC – Build 001	09/26/2023	09/28/2023
Test Log/Reports	09/28/2023	09/29/2023
Review/Update Test Cases	09/29/2023	09/30/2023

V. Test Deliverables and Execution

a. Key Participants

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

b. 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.

c. 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.

d. 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.

e. 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.

VI. Environmental Needs

a. Hardware and Software

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

b. Productivity and Support Tools

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

c. Test Environment Configuration

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

VII. Planning Risks and Contingencies

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

I. Approvals

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