# ABC’s Inventory Management System

## Master Test Plan

## Instruction

This document is used to define the details of the master test plan. Once the test plan is outlined, the document must be reviewed and approved by the lead technical representative of the project as well as the lead business representative of the project. If anything related to the test plan changes during the execution and testing phase of the project, this document should be updated and re-approved by both parties.

## Test Scope

This test plan will test all the requirements for ABC’s Inventory Management System, which will be tested by the ‘Fellowship Of The’ team for testing purposes. This Master Test Plan covers unit, integration, user acceptance, and regression testing. It will not include user certification testing, which will be performed by the Finance Team.

## Test Features

This is a description of the features that will be tested within the scope of the test plan.   
The list represents what will be tested as well as the individuals/groups involved with the testing activities.

|  |  |  |
| --- | --- | --- |
| **BR #** | **Feature** | **Responsible party or groups** |
| 1 | Login/out | Store staff, warehouse staff, Hieu Hanh Tran |
| 2 | Search Products | Store staff, warehouse staff, Shirish Maharjan |
| 3 | Manage Product | Warehouse Staff, Arik Maharjan |
| 4 | Request Items | Warehouse Staff, Store Staff, Hieu Hanh Tran |
| 5 | Accept Stock | Store Staff, Shirish Maharjan |
| 6 | Manage Request Cart | Store Staff, Arik Maharjan |
| 7 | Manage Notification | Warehouse Staff, Hieu Hanh Tran |
| 8 | Manage Staff | Warehouse Staff, Shirish Maharjan |
| 9 | Create Report | Warehouse Staff, Store Staff, Arik Maharjan |

## Test Inputs/Outputs

This is a description of the inputs that will be used to assist with the testing effort and a list of the outputs that will be delivered from the testing effort.

|  |  |
| --- | --- |
| **Inputs** | **Outputs** |
| * Business Requirement Specifications * Software configurations * Non-functional requirements | * Test Results * Defect Log * Issues Log * Change Request Log |

## Test Strategy

This is a description of the recommended testing approach for this project. This describes “how” the test items and features will be tested.

|  |  |  |
| --- | --- | --- |
| **Test Type** | **Description** | **Comment** |
| Integration Test | This test will combine each individual units and test the system as a group. |  |
| Unit Test | This test will break the program into pieces, and subjecting each piece to a series of tests. |  |
| User Acceptance Test | This test will ensure the system can handle real life user scenarios. | Typically performed by Business User |
| Regression Test | This tests the entire system to insure that any untouched functionality did not get adversely impacted by the project-related work. |  |
| User Certification Test | This test is performed after the solution has been moved to production to insure it has been moved successfully. | This will be performed by the Finance Team. |

## Test Environment

This is a list of the testing tools, systems, and databases.

|  |  |  |
| --- | --- | --- |
| **Tools** | **Description** | **Version** |
| WinRunner | Automated script generation tool. | 9.2 |
| LoadRunner | Automated script generation tool. | 12.56 |
| Unix Shell Scripts | Scripting language. | n/a |
| Manual input | Manual entry of data onto screen or gui. | n/a |
| Mockito | Mockito Library included in the Java EE Project | 2.17.7 |
| IntelliJ IDEA | IDE for conducting unit, integration and regression testing. | 2017.3 |
| System | At least 4 GB RAM i5 4th Generation processor | n/a |

## Test Roles and Responsibilities

This is a list of the testing roles and responsibilities.

|  |  |  |
| --- | --- | --- |
| **Resource** | **Role** | **Responsibility** |
| Arik Maharjan | Test Manager/Project Manager | * Provides technical direction. * Acquires testing resources. * Assigns tasks * Communicates test results to management. |
| Shirish Maharjan | Test Designer | * Documents test plan. * Identifies, documents and prioritizes test cases. * Evaluates effectiveness of test effort. |
| Hieu Hanh Tran | Tester | * Executes test cases, logs defects, and documents test results. |
| Hieu Hanh Tran | Test System Administrator | * Ensures test environment and assets are installed, managed and maintained. * Includes administration of testing IDs. |

## Test Milestones

This is a list of the critical test milestone dates. Be sure to include these dates in the overall project plan.

|  |  |
| --- | --- |
| **Task** | **Milestone Date** |
| Setup Test Environment | 03/10/18 |
| Complete Unit Testing | 05/10/18 |
| Complete Integration Testing | 07/10/18 |
| Complete User Acceptance Testing | 10/10/18 |
| Complete Regression Testing | 12/10/18 |
| Complete User Certification Testing | 14/10/18 |

## Document Approval

The signatures below acknowledge that the test plan outlined above is complete and accurate. Upon receiving written approval, the project team will proceed to the next step of the project.

If anything changes during the execution of the project, the test plan will be updated and re-approved accordingly.

|  |  |  |
| --- | --- | --- |
| **Approved by:**  **Printed name** | **Approved by:**  **Title** | **Approved By:**  **Signature/Date** |
| Hieu Hanh Tran | Business Analyst  Project Manager | https://lh6.googleusercontent.com/3ZTy9Hf8Vclg3L8_uURvwJHF_0JGS8AEpS0Lw5yA31yUxCNUPPf3MGMAuaIGgFZpIzIwjgm6bnyiwa55DHIBETjPIYSGUBpYR95OeRZSWwkskH-2zWWXjZf1N_0Twe_5MNT8bGB4 |
| Shirish Maharjan | Software Developer  Database Administrator  System Analyst | https://lh4.googleusercontent.com/l6NJjVuLgfbJbrkcBT5RE4SAiDb2cFr6UDhz4wf_vn5slONb3abn2nUlxKD-Kt4HCL0yfViM9rU7PFQoFRrBjF3Mo5bflB1ogE2QKy0jlmBLuXTwgRhGGFoydiIhk7WkqxWN5PZX |
| Arik Maharjan | Marketing Manager  Test Manager |  |

## Document Tracking

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| **Date** | **Action Taken** | **By Whom** |
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