**Test Objectives**

**Why do you need to conduct testing?**

The purpose of the testing is to ensure that the software is, as much as possible, without error, and is functional.

**What types of testing do you need to perform?**

* Regression testing
* Security testing

**Is your software ready for client acceptance testing?**

Based on the initial testing for iteration, it seems that the software is already able to address the main issues targeted for this iteration. Therefore, with iteration 1 as the basis, the software is ready.

**What will the clients test in your software?**

The client should test if all the basic inventory management operations that are currently being carried out by the client through spreadsheets and manual means can be carried out through the software.

**Who should the clients nominate to test the software?**

As the software is designed to be used by the manager as well as the technicians, in order to represent all types of users for this software, the manager as well as at least one of the technicians should test the software.

**How long will the clients perform the testing?**

Two hours should suffice.

**Test Criteria**

**What will be the criteria of the client when evaluating the software?**

The software should allow the user to record and view:

* purchase orders
* inventory items (including recording their warranty and contract details)
* supplier details

The software should also allow the user to login to the different types of accounts, namely technician and manager accounts.

**What is the basis for the criteria?**

The software would be considered successful if it is consistent with and addresses the problems identified in the software specifications, has a user interface that the client can easily understand and navigate, and is able to perform the functions that are currently being done in the business’ process of inventory management.

**Does the test criteria cover all aspects of the software that need to be validated?**

The criteria does cover all aspects that need to be validated for iteration 1 of the software.

**Can you trace the criteria back to the following**

* **Problem Statement**

The criteria addresses aspects of the following problems:

* Problem 1:The ends of warranties and contracts are difficult to keep track of.
* Problem 2: The current approach in managing the inventory and purchase orders is open to inconsistencies between the different files used to store data.
* Problem 5: The lists of suppliers and their corresponding contact persons are difficult to keep track of.
* **Software objectives**

The criteria addresses aspects of the following objectives:

* To provide a facility for managing inventory
* To provide a facility for managing suppliers
* To provide a facility for managing purchase orders
* To provide a facility for keeping track of contracts and warranties

**Software**

**What are the things you need to do to prepare the software for testing?**

The database needs to be populated with some initial data, specifically the following:

* One account for each of the following user types:
  + Manager
  + Technician
* Inventory?
* Supplier?

**Test Script**

**How will the Client test each of the major features of the software?**

The client will test the features by going through the normal process of purchase order and inventory management with the software.

**Provide a test script**

* A user (manager, technician) can login to view and manage the purchase order module, the inventory module, and the project assignment module.
  + Login with correct username and password:
    - Username: manager
    - Password: password
* A manager can create purchase orders so that s/he can monitor purchase transactions between the company and its suppliers.
  + Create purchase order, add items to it:
    - Supplier: Asus
    - Classification: Gen
    - Item Name: The item
    - Item Description: The item description
    - Quantity: 10
    - Unit Price: 100
  + Check if it displays the recently added purchase order.
* A manager can record supplier details to have a directory of suppliers where the company could get their purchases as well as contact for any inquiries
  + Add a supplier with complete details:
    - Supplier name: Dell
    - Country: United States of America
    - State: California
    - City: Palo Alto
    - Contact #: 5608234
  + Check if the supplier list is updated.
* A user (manager, technician) can add items to the inventory to record the receipt of ordered supplies from the suppliers.
  + Add items of different kinds(i.e. software, hardware, IT Asset, etc.):
    - FIRST ITEM
    - Item: Non-IT Asset
    - Item Description: This is a non-IT asset.
    - Unit price: 10
    - Invoice Number: 1234567890
    - Location: 1WS
    - Status: Assigned
    - Warranty: 03/01/2015(Start) - 03/01/2017(End)
    - Type: Non-IT Asset
    - Delivery Date: 03/01/2015
    - Assignee: Shayane Tan
    - SECOND ITEM
    - Item: IT Asset
    - Item Description: This is an IT asset.
    - Unit price: 15
    - Invoice Number: 0987654321
    - Location: 1WS
    - Status: Assigned
    - Warranty: 03/01/2014(Start) - 03/01/2016(End)
    - Type: IT Asset
    - Service Tag: QWERTY12345
    - Asset Tag: 900500
    - Delivery Date: 03/01/2014
    - Assignee: Rissa Quindoza
    - Contract: 03/20/2014(Start) - 03/20/2016(End)
    - Maintenance Cost: 10000
  + Check if the items are added to the list.
* A manager can view the list of suppliers, which may be filtered, to monitor the supplier details.
  + View supplier list and attempt to filter.
* A manager can view the list of purchase orders, which may be filtered, to monitor the purchase order details.
  + View list of purchase order and attempt to filter
* A user (manager, technician) can view the inventory, which may be filtered, to monitor purchases and its corresponding details.
  + View inventory list and attempt to filter
* A manager can add employees to assign the items and the projects.
  + Add employees:
    - Name: Clarisse Poblete
    - Status: Active
* A manager can record item warranty expiry dates so that he/she can monitor the warranty expiry dates of an item.
  + (Optional) Add an item:
    - Item: Something
    - Item Description: This is a non-IT asset.
    - Unit price: 15
    - Invoice Number: 102934756
    - Location: 1WS
    - Status: Assigned
    - Warranty: 03/01/2015(Start) - 03/01/2017(End)
    - Type: Non-IT Asset
    - Delivery Date: 03/01/2015
    - Assignee: Shayane Tan
  + View warranty expiry dates by checking the item in the inventory.
* A manager can record contract expiry dates so that he/she can monitor the expiry dates of equipment.
  + Add an item:
    - Item: An IT Asset
    - Item Description: This is an IT asset.
    - Unit price: 15
    - Invoice Number: 0987612345
    - Location: 1WS
    - Status: Assigned
    - Warranty: 03/01/2014(Start) - 03/01/2016(End)
    - Type: IT Asset
    - Service Tag: Q1W2E3R4T5Y
    - Asset Tag: 005900
    - Delivery Date: 03/01/2014
    - Assignee: Rissa Quindoza
    - Contract: 03/20/2014(Start) - 03/20/2016(End)
    - Maintenance Cost: 1000
  + Input contract expiry dates.
* A manager can view notifications on items with incoming warranty expiry dates so that he/she can monitor the fee of maintaining the item which increases without the warranty
  + Add an item with warranty expiry within two weeks:
    - Item Name: The item
    - Warranty Expiry Date: 03/01/2015(Start) - 03/08/2015(End)
* A manager can view notifications on items with incoming contract expiry dates so that he/she can renew the contract in order to repair or to replace an equipment when complications arise.
  + Add an item with contract expiry within two weeks:
    - Item Name: The item
    - Contract Expiry Date: 03/01/2015(Start) - 03/08/2015(End)

**Test Environment**

**Where will the Client conduct the test?**

The client will conduct the test at her office.

**On whose computer will the test be conducted?**

The test will be conducted on the computer of the client.

**Do you need any support software to be installed?**

The installation of MySQL and Java is required to run the software.

**Test Participants**

**What will you tell the participants prior to testing?**

* **Software objectives and scope**

The software as a whole aims to provide CAI-STA with a system to manage the data and transactions involved in purchases and inventory, and asset and product assignment.

Specifically, this iteration aims to provide a software that would allow the client to:

* Create and view purchase orders
* Record and view supplier details
* Create and view inventory items
* Record contract and warranty details
* Login as a technician or manager
* **Identified client problems to be address**

The following problems are addressed:

* Problem 1:The ends of warranties and contracts are difficult to keep track of.
* Problem 2: The current approach in managing the inventory and purchase orders is open to inconsistencies between the different files used to store data.
* Problem 5: The lists of suppliers and their corresponding contact persons are difficult to keep track of.
* **Business process to be supported**

This iteration supports the following data requirements as part of the business process:

* Managing inventory and purchase orders, including
  + Items
  + Inventory entries
  + Purchase orders
  + Suppliers
  + Contracts
  + Warranties
* **Process for testing**
  + **Will you conduct a software demo?**

We will conduct a software demo.

* + **Will the test participants be guided, one by one, throughout the test process, or will you leave them on their own?**

The first testing will be guided, so that the software features and navigation may be demonstrated to the client.

The second testing will not be guided, so that the client may use the software and undergo the processes the way she normally would, in order to possibly uncover problems that may present themselves later on when the process is already being used by the client’s company.