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| Screen Shot 2015-04-13 at 12.08.03 AM.png | Screen Shot 2015-04-13 at 12.08.10 AM.png |

**CAI-STA**

TEST PLAN DOCUMENT

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| **Team Name** | **SystemScape** |
| **Section** |  |
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| **Date Submitted** | April 13, 2015 |

**1.0** **Introduction**

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

The specific objectives of the software are as follows:

* 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;
* To provide a facility for keeping track of item and project assignments to employees;
* To notify the manager about any upcoming expiries of contracts and warranties;
* To generate inventory reports

The main features of this software include the adding/recording, viewing and editing of inventory items, suppliers, purchase orders and contracts and warranties, the notification of upcoming contract and warranty expirations, the assignment of items and projects to employees, the generation of inventory reports, and the login.

There are two main types of users in the proposed system, namely the technician and the manager. The technician manages and views the inventory, while the manager has permission to access and use all parts of the software.

This software 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
* Managing of asset and project assignment
* Managing of inventory reports

For this iteration, the software will undergo three types of testing, namely black box/function testing, performance testing and client acceptance testing. Performance testing will include regression and security testing.

Conducting these tests will ensure that the software is fully functional, is consistent with the given specifications, is able to follow the client’s current business process, and has features that are made accessible and inaccessible to the intended users.

**2.0** **Test Methodology**

To prepare the software for Client Acceptance Testing, major tables in the database will be populated with sample data. The User table will include two users, with exactly one of those users present in the Admin table (this user will serve as the manager, while other user will serve as the technician). The data for these users will contain the following:

* Manager
  + Username: Manager
  + Password: ManagerPassword123
* Technician
  + Username: Technician
  + Password: TechnicianPassword456

The tables related to inventory items, purchase orders, supplier information and employee information will each contain at least three instances of the said information.  
  
The client will 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.The detailed test scripts are found in Appendix B.

The test script will emulate the business process through the software. It will pass through the tasks to be done by the manager, from adding a supplier, to creating a purchase order to be ordered from the added supplier, to adding an employee and a project, to adding an inventory item from the added purchase order, to assigning the added supplier and project to the employee, to viewing the existing data, and finally to generating reports for this data. It will also pass through the tasks to be done by the technician, which involve viewing inventory items and adding inventory item.

The test will be conducted at the office of the client and run on the company’s system. The installation of MySQL and Java will be required to run the software. 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.

During the debriefing interview, the client will be asked to evaluate the ability of the software to solve the problems identified, compliance of the software with the given specifications, and the user experience of the client in navigating and using the software.

As the client is testing the software, the ability of the software to do what the client expects it to do and the ease of use for the client to navigate and use the software without much guidance from the developers will be observed.

**Appendix A. Test Cases**

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| **User Story ID / Title:** | | **4 / View list of suppliers** | **Priority: 10** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to view and filter the list of suppliers properly | |
| **Test Case Number** | | **4-1** | |
| Objective of Case | | Test if the system displays the data equivalent to the ones in the database | |
| Input | | //Add suppliers to the database first  User selects view | |
| Expected Result | | System displays the list of suppliers | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **4-2** | |
| Objective of Case | | Test if the system displays a notification message if the list of suppliers is empty | |
| Input | | //Clear the database first  User selects view | |
| Expected Result | | System displays a message stating that the list is empty | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **4-3** | |
| Objective of Case | | Test if the system displays a list of suppliers that fits the given criteria. | |
| Input | | //Add this entry to the database first if it is not already in the database  Supplier:  Country: Taiwan  State:  City:  Contact#: | |
| Expected Result | | The system will show only entries that match the criteria. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **4-4** | |
| Objective of Case | | Test if the system displays a notification message if there are no matches to the criteria. | |
| Input | | // Delete this entry from the database if it exists  Supplier: RandomSupplier  Country:  State:  City:  Contact#: | |
| Expected Result | | System displays message stating that there is no match found and instead, views the list without filter | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **15 / View list of employees** | **Priority: 30** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to view and filter the list of employees properly | |
| **Test Case Number** | | **15-1** | |
| Objective of Case | | Test if the system displays a notification message if there are no employee entries in the database. | |
| Input | | User selects view | |
| Expected Result | | System displays a message stating the list is empty | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **15-2** | |
| Objective of Case | | Test if the system displays the inventory details equivalent to the ones in the database. | |
| Input | | User selects view | |
| Expected Result | | System displays the list of employees that match the list seen in the database | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **15-3** | |
| Objective of Case | | Test if the system displays a list of employees that fits the chosen criteria. | |
| Input | | //ASSUME THIS ENTRY EXIST IN THE DATABASE  Name: Antonio Angeles  Status:  Project: | |
| Expected Result | | The system will show only entries that match the criteria. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **15-4** | |
| Objective of Case | | Test if the system displays a notification message if there are no matches to the criteria. | |
| Input | | Name: Extra Terrestrial  Status:  Project: | |
| Expected Result | | System displays message stating that there is no match found and instead, views the list without filter | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **3 / Export inventory data** | **Priority: 30** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to export inventory data into spreadsheets | |
| **Test Case Number** | | **3-1** | |
| Objective of Case | | Test if correct data were extracted from the database to generate the reports. | |
| Input | | Supplier: Rissa  Purchase date: 10/11/14  Item name: The Item | |
| Expected Result | | System displays the desired data selected by the user | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **3-2** | |
| Objective of Case | | Test if the generated file is a spreadsheet . | |
| Input | | Supplier: Rissa  Purchase date: 10/11/14  Item name: The Item  Filename: Report  Directory: C:\Users\Anton\Desktop | |
| Expected Result | | System makes a csv file | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **3-3** | |
| Objective of Case | | Test if the spreadsheet is located in the specified directory | |
| Input | | Supplier: Rissa  Purchase date: 10/11/14  Item name: The Item  Filename: Report  Directory: C:\Users\Anton\Desktop | |
| Expected Result | | System makes a csv file at the specified directory | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **3-4** | |
| Objective of Case | | Test if the spreadsheet has the given filename. | |
| Input | | Supplier: Rissa  Purchase date: 10/11/14  Item name: The Item  Filename: Report  Directory: C:\Users\Anton\Desktop | |
| Expected Result | | System makes a csv file which has a filename of Report | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **3-5** | |
| Objective of Case | | Test if the content of the generated file follows the required format specified by the company. | |
| Input | | Supplier: Rissa  Purchase date: 10/11/14  Item name: The Item  Filename: Report  Directory: C:\Users\Anton\Desktop | |
| Expected Result | | System makes a csv file which contains the data selected by the user and follows the required format specified by the company | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **18 / Grant or Remove admin privileges** | **Priority: 30** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the manager to manage user privileges | |
| **Test Case Number** | | **18-1** | |
| Objective of Case | | Test if the system displays a list of users that matches the list of users in the database. | |
| Input | | User selects view | |
| Expected Result | | System displays the list of users. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **18-2** | |
| Objective of Case | | Test if the system allows the manager to grant a user admin privileges | |
| Input | | // Assume the user “Technician” exists without admin privileges  Manager grants user “Technician” admin privileges | |
| Expected Result | | User "Technician" is now in the admin table. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **18-3** | |
| Objective of Case | | Test if the system allows the manager to remove a user's admin privileges | |
| Input | | // Assume the user “Admin” exists with admin privileges  Manager removes user “Admin” admin privileges | |
| Expected Result | | User "Admin" is now in the user table. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Type of Test** | | **Function** | |
| **Purpose of Test** | | Test if a user’s software access is consistent with his/her granted or removed access privileges | |
| **Test Case Number** | | **18-4** | |
| Objective of Case | | Test if a user that is granted admin privileges is given access to all modules | |
| Input | | // Assume the user “Technician” exists without admin privileges Manager grants user “Technician” admin privileges | |
| Expected Result | | Upon login, user “Technician” can access all modules | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **18-5** | |
| Objective of Case | | Test if a user whose admin privileges have been removed is given access to only the inventory module | |
| Input | | // Assume the user “Admin” exists with admin privileges Manager removes admin privileges of user “Admin” | |
| Expected Result | | Upon login, user “Admin” can only access the inventory | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **21 / Assign Items to Employees** | **Priority: 30** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to assign items to the employees properly. | |
| **Test Case Number** | | **21-1** | |
| Objective of Case | | Test if the system sets the item status to “in store” after saving the changes made, if no  project and employee are assigned to it. | |
| Input | | Item: Software  Item Description: A Software  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 01/01/2015 (Start) - 01/01/2016 (End)  Type: Software  License Key: 000000000000  Delivery Date: 01/01/2015  Assignee: N/A | |
| Expected Result | | The item's status will be "in store" while the user is viewing the list. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **21-2** | |
| Objective of Case | | Test if item status is “in use” if an employee is assigned to it. | |
| Input | | Item: Software  Item Description: A Software  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 01/01/2015 (Start) - 01/01/2016 (End)  Type: Software  License Key: 000000000000  Delivery Date: 01/01/2015  Assignee: Shayane Tan | |
| Expected Result | | The item's status will be "in use" while the user is viewing the list. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **21-3** | |
| Objective of Case | | Test if the system displays a message once the information has been successfully saved in the database. | |
| Input | | Item: Software  Item Description: A Software  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 01/01/2015 (Start) - 01/01/2016 (End)  Type: Software  License Key: 000000000000  Delivery Date: 01/01/2015  Assignee: Rissa  //assume this is the edit item screen | |
| Expected Result | | The system will display a message saying the information has been successfully added to the database. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **9 / Update purchase orders** | **Priority: 30** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to modify existing purchase orders and add items to those purchase orders | |
| **Test Case Number** | | **9-1** | |
| Objective of Case | | Test if the system displays the proper existing information | |
| Input | |  | |
| Expected Result | |  | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-2** | |
| Objective of Case | | Test if the system will allow the user to submit valid input, display a message once a purchase order has been modified in the database, properly compute the amount, clear the fields on submission, allow duplicate purchase orders, and reflect the correct values in the database for each modified item | |
| Input | | Supplier: Asus  Classification: Gen  Item: The Item  Item Description: The Item Description  Quantity: 10  Unit Price: 100.50  // Submit this twice | |
| Expected Result | | Submission is successful  Displayed values and database values are consistent with the entered values  System displays a message informing the user that the purchase order has been successfully modified  Displayed amount is equivalent to 1005  System clears the input fields upon submission  System allows user to submit the same purchase order values the second time | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-3** | |
| Objective of Case | | Test if the system will not allow the user to submit an item to be modified if the values entered for unit price is not numerical | |
| Input | | Item: The Item  Item Description: The Item Description  Quantity: 10  Unit Price: Expensive | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-4** | |
| Objective of Case | | Test if the system will not allow the user to submit an item to be modified if the values entered for quantity is not numerical | |
| Input | | Item: The Item  Item Description: The Item Description  Quantity: Ten  Unit Price: 100.50 | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-5** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a decimal value for the quantity | |
| Input | | Item: The Item  Item Description: The Item Description  Quantity: 10.75  Unit Price 99.50 | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-6** | |
| Objective of Case | | Test that the system will not allow the user to submit an item with a blank item field | |
| Input | | Item: // blank  Item Description: The Item Description  Quantity: 10  Unit Price: 5 | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-7** | |
| Objective of Case | | Test that the system will not allow the user to submit an item with a blank item description field | |
| Input | | Item: The Item  Item Description: // blank  Quantity: 10  Unit Price: 5 | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-8** | |
| Objective of Case | | Test that the system will not allow the user to submit an item with a blank quantity field | |
| Input | | Item: The Item  Item Description: The Item Description  Quantity: // blank  Unit Price: 5 | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-9** | |
| Objective of Case | | Test that the system will not allow the user to submit an item with a blank unit price field | |
| Input | | Item: The Item  Item Description: The Item Description  Quantity: 10  Unit Price: // blank | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-10** | |
| Objective of Case | | Test if the system changes all item classifications if the item classification is changed after adding the items | |
| Input | | Supplier: Asus  Item Classification: Software  Item: The Item  Item Description: The Item Description  Quantity: 5  Unit Price: 10  Supplier: Asus  Item Classification: Gen | |
| Expected Result | | System records item in database with the classification Gen | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-11** | |
| Objective of Case | | Test if the system changes all suppliers if the supplier is changed after adding the items | |
| Input | | Supplier: Asus  Item Classification: Software  Item: The Item  Item Description: The Item Description  Quantity: 5  Unit Price: 10  Supplier: MoKang  Item Classification: Software | |
| Expected Result | | System records item in database with the supplier MoKang | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **9-12** | |
| Objective of Case | | Test if the system prompts the user to choose hardware classification of items if the purchase order's item classification is changed from one classification to Hardware | |
| Input | | Supplier: Asus  Item Classification: Software  Item: The Item  Item Description: The Item Description  Quantity: 5  Unit Price: 10  Supplier: Asus  Item Classification: Hardware | |
| Expected Result | | System prompts the user to choose whether each item will be an IT Asset or a Non-IT Asset | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Type of Test** | | **Function** | |
| **Purpose of Test** | | Test if the data in the system remains consistent throughout the different modules | |
| **Test Case Number** | | **9-13** | |
| Objective of Case | | Test if the system displays a list of suppliers that is consistent with the database | |
| Input | | User chooses to add a purchase order | |
| Expected Result | | System allows the user to choose from a list of suppliers consistent with the list of suppliers in the database | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Type of Test** | | **Design Review** | |
| **Purpose of Test** | | Test if the system is consistent in displaying monetary values | |
| **Test Case Number** | | **9-14** | |
| Objective of Case | | Test if the system displays all monetary values consistently with two decimal places when the given unit price contains a decimal point | |
| Input | | Item: The Item  Item Description: The Item Description  Quantity: 10  Unit Price: 100.35 | |
| Expected Result | | Displayed unit price is 100.35  Displayed amount is 1003.50 | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **26 / Update details of an item in inventory** | **Priority: 30** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to modify existing inventory items | |
| **Test Case Number** | | **26-1** | |
| Objective of Case | | Test if the system displays the proper existing information | |
| Input | |  | |
| Expected Result | |  | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-2** | |
| Objective of Case | | Test if the system displays a message upon successful submission, allows the user to submit valid item details of items that are not yet in the database through the purchase order, reflects the correct values in the database for each modified item and allows the user to submit an item that has already been modified before | |
| Input | | // This item is not yet in the itemData table of the database  Item: Non-IT Asset  Item Description: This is a non-IT asset  Unit Price: 10.5  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  // Submit this twice | |
| Expected Result | | System displays a message informing the user that the item has been successfully modified  Submission is successful  Displayed values and database values are consistent with the entered values  Second submission is successful | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-3** | |
| Objective of Case | | Test if the system allows the user to submit valid non-IT asset item details and reflects the correct values in the database for each modified item | |
| Input | | Item: Non-IT Asset  Item Description: This is a non-IT asset  Unit Price: 10.5  Invoice Number: // Get corresponding number from database  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 | |
| Expected Result | | Submission is successful  Displayed values and database values are consistent with the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-4** | |
| Objective of Case | | Test if the system allows the user to submit valid software item details and reflects the correct values in the database for each modified item | |
| Input | | Item: Software  Item Description: This is a software  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 01/01/2015 (Start) - 01/01/2016 (End)  Type: Software  License Key: 000000000000  Delivery Date: 01/01/2015  Assignee: Shayane Tan | |
| Expected Result | | Submission is successful  Displayed values and database values are consistent with the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-5** | |
| Objective of Case | | Test if the system allows the user to submit valid IT asset item details and reflects the correct values in the database for each modified item | |
| Input | | Item: IT Asset  Item Description: This is an IT asset  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 02/01/2014 (Start) - 02/01/2018 (End)  Type: IT Asset  Service Tag: QWERTY12345  Asset Tag: 900500  Delivery Date: 03/01/2014  Assignee: Rissa Quindoza  Contract: 02/20/2014 (Start) - 02/20/2015 (End)  Maintenance Cost: 100000.00 | |
| Expected Result | | Submission is successful  Displayed values and database values are consistent with the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-6** | |
| Objective of Case | | Test if the system allows the user to submit valid general item details and reflects the correct values in the database for each modified item | |
| Input | | Item: General  Item Description: This is a general item  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 02/01/2014 (Start) - 02/01/2018 (End)  Type: General  Delivery Date: 03/01/2014  Assignee: Rissa Quindoza | |
| Expected Result | | Submission is successful  Displayed values and database values are consistent with the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-7** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a blank item field | |
| Input | | Item: // blank  Item Description: This is a non-IT asset  Unit Price: 10.5  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  // Submit this twice | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-8** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a blank description field | |
| Input | | Item: Software  Item Description: // blank  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 01/01/2015 (Start) - 01/01/2016 (End)  Type: Software  License Key: 000000000000  Delivery Date: 01/01/2015  Assignee: Shayane Tan | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-9** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a blank unit price | |
| Input | | Item: Software  Item Description: This is a software item  Unit Price: // blank  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 01/01/2015 (Start) - 01/01/2016 (End)  Type: Software  License Key: 000000000000  Delivery Date: 01/01/2015  Assignee: Shayane Tan | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-10** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a non-numerical unit price | |
| Input | | Item: Software  Item Description: This is a software item  Unit Price: Cheap  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 01/01/2015 (Start) - 01/01/2016 (End)  Type: Software  License Key: 000000000000  Delivery Date: 01/01/2015  Assignee: Shayane Tan | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-11** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a blank invoice number field | |
| Input | | Item: Software  Item Description: This is a software item  Unit Price: 10.5  Invoice Number: // blank  Location: 1WS  Status: Assigned  Warranty: 01/01/2015 (Start) - 01/01/2016 (End)  Type: Software  License Key: 000000000000  Delivery Date: 01/01/2015  Assignee: Shayane Tan | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-12** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a blank license key field | |
| Input | | Item: Software  Item Description: // blank  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 01/01/2015 (Start) - 01/01/2016 (End)  Type: Software  License Key: // blank  Delivery Date: 01/01/2015  Assignee: Shayane Tan | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-13** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a blank service tag field | |
| Input | | Item: IT Asset  Item Description: This is an IT asset  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 02/01/2014 (Start) - 02/01/2018 (End)  Type: IT Asset  Service Tag: // blank  Asset Tag: 900500  Delivery Date: 03/01/2014  Assignee: Rissa Quindoza  Contract: 02/20/2014 (Start) - 02/20/2015 (End)  Maintenance Cost: 100000.00 | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-14** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a blank asset tag field | |
| Input | | Item: IT Asset  Item Description: This is an IT asset  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 02/01/2014 (Start) - 02/01/2018 (End)  Type: IT Asset  Service Tag: QWERTY12345  Asset Tag: // blank  Delivery Date: 03/01/2014  Assignee: Rissa Quindoza  Contract: 02/20/2014 (Start) - 02/20/2015 (End)  Maintenance Cost: 100000.00 | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-15** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a blank maintenance cost field | |
| Input | | Item: IT Asset  Item Description: This is an IT asset  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 02/01/2014 (Start) - 02/01/2018 (End)  Type: IT Asset  Service Tag: QWERTY12345  Asset Tag: 900500  Delivery Date: 03/01/2014  Assignee: Rissa Quindoza  Contract: 02/20/2014 (Start) - 02/20/2015 (End)  Maintenance Cost: // blank | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-16** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a non-numerical asset tag | |
| Input | | Item: IT Asset  Item Description: This is an IT asset  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 02/01/2014 (Start) - 02/01/2018 (End)  Type: IT Asset  Service Tag: QWERTY12345  Asset Tag: ASSET900500  Delivery Date: 03/01/2014  Assignee: Rissa Quindoza  Contract: 02/20/2014 (Start) - 02/20/2015 (End)  Maintenance Cost: 100000.00 | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-17** | |
| Objective of Case | | Test if the system will not allow the user to submit an item with a non-numerical maintenance cost | |
| Input | | Item: IT Asset  Item Description: This is an IT asset  Unit Price: 10.5  Invoice Number: 1234567890  Location: 1WS  Status: Assigned  Warranty: 02/01/2014 (Start) - 02/01/2018 (End)  Type: IT Asset  Service Tag: QWERTY12345  Asset Tag: 900500  Delivery Date: 03/01/2014  Assignee: Rissa Quindoza  Contract: 02/20/2014 (Start) - 02/20/2015 (End)  Maintenance Cost: Expensive | |
| Expected Result | | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-18** | |
| Objective of Case | | Test if the system will display the necessary fields upon choosing the type Non-IT Asset | |
| Input | | User chooses the type Non-IT Asset | |
| Expected Result | | System displays the item, item description, unit price, invoice number, location, status, warranty start and end, assignee and delivery date fields | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-19** | |
| Objective of Case | | Test if the system will display the necessary fields upon choosing the type Software | |
| Input | | User chooses the type Software | |
| Expected Result | | System displays the item, item description, unit price, invoice number, location, status, warranty start and end, license key, delivery date and assignee fields | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-20** | |
| Objective of Case | | Test if the system will display the necessary fields upon choosing the type IT Asset | |
| Input | | User chooses the type IT Asset | |
| Expected Result | | System displays the item, item description, warranty start and end, asset tag, service tag, delivery date, assignee, contract start and end and maintenance cost fields | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-21** | |
| Objective of Case | | Test if the system will display the necessary fields upon choosing the type IT Asset | |
| Input | | User chooses the type General | |
| Expected Result | | System displays the item, item description, warranty start and end, delivery date and assignee | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **26-22** | |
| Objective of Case | | Test if the system will display the correct list of employees as the user chooses an assignee | |
| Input | | User chooses the type Software  User attempts to choose an assignee | |
| Expected Result | | System allows the user to choose from a list of assignees consistent with the list of employees in the database | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **25 / Add item to inventory through purchase order** | **Priority: 20** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to add items to the inventory through a purchase order | |
| **Test Case Number** | | **25-1** | |
| Objective of Case | | Test if the modified details in the database reflect what was entered in the form. | |
| Input | | User fills up form | |
| Expected Result | | System changes the details in the database based from the details entered in the form | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **25-2** | |
| Objective of Case | | Test if the system displays a confirmation message to check if all entered information is correct before saving it. | |
| Input | | User fills up form | |
| Expected Result | | System displays a confirmation message if condition is satisfied | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **25-3** | |
| Objective of Case | | Test if the system displays an error message if there is any significant information that was left blank upon submission. | |
| Input | | User fills up form and leaves an information blank | |
| Expected Result | | System displays a error message if condition is satisfied | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **25-4** | |
| Objective of Case | | Test if the system displays an updated inventory once the details are modified in the database. | |
| Input | | User fills up form | |
| Expected Result | | System displays the updated inventory | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **25-5** | |
| Objective of Case | | Test if license key was properly encrypted. | |
| Input | | User fills up form | |
| Expected Result | | The license key is encrypted | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **7 / View Purchase Orders** | **Priority: 10** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to view and filter the list of purchase orders properly | |
| **Test Case Number** | | **7-1** | |
| Objective of Case | | Test if the system displays a notification message if the list of purchase orders is empty. | |
| Input | | Select view when list is empty | |
| Expected Result | | The system shows an error message saying the list is empty | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **7-2** | |
| Objective of Case | | Test if the system displays the data equivalent to the ones in the database. | |
| Input | | Select view where the list is not empty | |
| Expected Result | | The system shows the list of purchase orders | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **7-3** | |
| Objective of Case | | Test if computation of total with VAT and grand total is accurate. | |
| Input | | Add Item to Purchase Order:  Item: Item1  Item Description: 1st item  Quantity: 3  Unit Price: 50  Add Item to Purchase Order:  Item: Item2  Item Description: 2nd Item  Quantity: 5  Unit Price: 70 | |
| Expected Result | | VAT should be equal to 60. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **7-4** | |
| Objective of Case | | Test if the system displays a list of purchase orders that fits the chosen criteria. | |
| Input | | Item Classification:  Supplier: ASUS  Date:  Grand Total:  Invoice Number: | |
| Expected Result | | The system should only show purchase orders that matches the criteria. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **7-5** | |
| Objective of Case | | Test if the system displays a notification message if there are no matches to the criteria. | |
| Input | | //ASSUME THIS ENTRY DOES NOT EXIST  Item Classification:  Supplier:  Date:  Grand Total:  Invoice Number: 00000 | |
| Expected Result | | The system will show an error message stating there is no match for the criteria | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **23 / View Purchase Orders** | **Priority: 10** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to view and filter the inventory list properly | |
| **Test Case Number** | | **23-1** | |
| Objective of Case | | Test if the system displays a notification message if there are no items in the inventory. | |
| Input | | User selects view | |
| Expected Result | | System displays a message stating the list is empty | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **23-2** | |
| Objective of Case | | Test if the system displays the inventory details equivalent to the ones in the database. | |
| Input | | User selects view | |
| Expected Result | | System displays the list of inventory items that match the list seen in the database | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **23-3** | |
| Objective of Case | | Test if the system displays only the list of items that fits the chosen criteria. | |
| Input | | //ASSUME THIS ENTRY HAS BEEN added to THE DATABASE  Item:  Classification: HARD | |
| Expected Result | | The system will show the items that match the criteria. | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **23-4** | |
| Objective of Case | | Test if the system displays a notification message if there are no matches to the criteria. | |
| Input | | //ASSUME THIS ENTRY DOES NOT EXIST  Item: RandomItem  Classification: | |
| Expected Result | | The system will show an error message stating that there is no match for the criteria | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | | **14 / View Incoming Warranty Expiry Dates** | **Priority: 20** |
| **Type of Test** | | **Black box** | |
| **Purpose of Test** | | Test if the system allows the user to view notifications on items with incoming warranty expiry dates | |
| **Test Case Number** | | **14-1** | |
| Objective of Case | | Test if the system displays a notification message for items with warranties expiring within the user’s set date range. | |
| Input | | //Data from the database  Item: Item1  CurrentDate: 2015-03-04(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd)  Item: Item2  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | | The system displays a notification message which contains the items with contracts expiring within the user's set date range | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **14-2** | |
| Objective of Case | | Test if the system only displays items with warranties expiring within the user’s set date range. | |
| Input | | //Data from the database  Item: Item1  CurrentDate: 2015-03-04(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd)  Item: Item2  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | | The system displays only the items with contracts expiring within the user's set date range | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **14-3** | |
| Objective of Case | | Test if the system displays the days or weeks remaining before warranty expiry. | |
| Input | | //Data from the database  Item: Item1  CurrentDate: 2015-03-04(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd)  Item: Item2  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | | The system displays the days or weeks remaing before contract expiry | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |
| **Test Case Number** | | **14-4** | |
| Objective of Case | | Test if the system displays the correct item when viewing the notification. | |
| Input | | //Data from the database  Item: Item1  CurrentDate: 2015-03-04(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd)  Item: Item2  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | | The system displays the correct item | |
| Actual Result | |  | |
| Conclusion | |  | |
| Remarks | |  | |

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| **User Story ID / Title:** | **12 / View Incoming Contract Expiry Dates** | **Priority: 20** |
| **Type of Test** | **Black box** | |
| **Purpose of Test** | Test if the system allows the user to view notifications on items with incoming contract expiry dates | |
| **Test Case Number** | **12-1** | |
| Objective of Case | Test if the system displays a notification message for items with contracts expiring within the user’s set date range. | |
| Input | //Data from the database  Item: Item1  CurrentDate: 2015-03-04(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd)  Item: Item2  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | The system displays a notification message which contains the items with contracts expiring within the user's set date range | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **12-2** | |
| Objective of Case | Test if the system only displays items with contracts expiring within the user’s set date range. | |
| Input | //Data from the database  Item: Item1  CurrentDate: 2015-03-04(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd)  Item: Item2  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | The system displays only the items with contracts expiring within the user's set date range | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **12-3** | |
| Objective of Case | Test if the system displays the days or weeks remaining before contract expiry. | |
| Input | //Data from the database  Item: Item1  CurrentDate: 2015-03-04(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd)  Item: Item2  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | The system displays the days or weeks remaing before contract expiry | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **12-4** | |
| Objective of Case | Test if the system displays the correct item when viewing the notification. | |
| Input | //Data from the database  Item: Item1  CurrentDate: 2015-03-04(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd)  Item: Item2  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | The system displays the correct item | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |

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| **User Story ID / Title:** | **2 / Modify Login Details** | **Priority: 40** |
| **Type of Test** | **Black box** | |
| **Purpose of Test** | Test if the system allows the user to modify his/her login settings | |
| **Test Case Number** | **2-1** | |
| Objective of Case | Test if the system displays an error message if the new password and the confirmation password are not the same. | |
| Input | Password: IamQA  ConfirmationPassword: IamDev  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | The system displays an error message | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **2-2** | |
| Objective of Case | Test if the system displays a general account settings form that includes the setting of date range for displaying warranties and contracts expiry dates notification if the user is a manager. | |
| Input | Password: IamQA  ConfirmationPassword: IamQA  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | The system displays a general account settings form | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **2-3** | |
| Objective of Case | Test if the system displays only a general account settings form to change the password if the user is a technician. | |
| Input | Password: IamQA  ConfirmationPassword: IamQA  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | The system displays only a general account settings form | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **2-4** | |
| Objective of Case | Test if the system does display notifications of nearing warranty and contract expiry dates base from the user’s newly set date range. | |
| Input | Password: IamQA  ConfirmationPassword: IamQA  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | The system displays notifications of nearing warranty and contract expiry dates | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **2-5** | |
| Objective of Case | Test if the user can login using the new password. | |
| Input | Password: IamQA  ConfirmationPassword: IamQA  CurrentDate: 2015-03-12(yyyy-mm-dd)  EndDate: 2015-03-18(yyyy-mm-dd) | |
| Expected Result | The user is able to login using the new password | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |

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| **User Story ID / Title:** | **6 / Update Supplier Details** | **Priority: 30** |
| **Type of Test** | **Black box** | |
| **Purpose of Test** | Test if the system allows the user to modify supplier details | |
| **Test Case Number** | **6-1** | |
| Objective of Case | Test if the system allows the user to submit valid input, displays a message upon successful submission and reflects the correct values in the database for each modified item | |
| Input | Supplier: Dell  Country: United States of America  State: California  City: Palo Alto  Contact #: 5608324 (Telephone) | |
| Expected Result | Submission is successful  System displays a message informing the user that the item has been successfully modified  Displayed values and database values are consistent with the entered values | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **6-2** | |
| Objective of Case | Test that the system will not allow the user to submit an item with a blank supplier field | |
| Input | Supplier: // blank  Country: United States of America  State: California  City: Palo Alto  Contact #: 5608324 (Telephone) | |
| Expected Result | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **6-3** | |
| Objective of Case | Test that the system will not allow the user to submit an item without any contacts modified | |
| Input | Supplier: Dell  Country: United States of America  State: California  City: Palo Alto  Contact #: // blank | |
| Expected Result | System displays a warning and does not allow the user to submit the entered values | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **6-4** | |
| Objective of Case | Test if the system will not allow the user to submit a supplier that already exists in the database. | |
| Input | Supplier: Dell  Country: United States of America  State: California  City: Palo Alto  Contact #: 5608324 (Telephone)  // User submits supplier  Supplier: Dell  Country: United States of America  State: California  City: Palo Alto  Contact #: 5608324 (Telephone)  // User submits supplier | |
| Expected Result | First submission is successful  Second submission prompts the system to display a warning and not allow the user to submitted the entered values | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Type of Test** | **Usability** | |
| **Purpose of Test** | Test if the add supplier module's user interface responds properly to user interactions | |
| **Test Case Number** | **6-5** | |
| Objective of Case | Test if the system updates the list of states when a country is chosen and updates the list of cities when a state is chosen. | |
| Input | Supplier: Dell  Country: United States of America  State: California  City: Palo Alto  Contact #: 5608324 (Telephone) | |
| Expected Result | List of states is updated with the states in the United States of America  List of cities is updates with the cities in Texas | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **6-6** | |
| Objective of Case | Test that the system allows the user to enter multiple contacts of types telephone, cellphone and fax | |
| Input | Supplier: Dell  Country: United States of America  State: Texas  City: Round Rock  Contact #:  5608324 (Telephone)  3173355 (Fax)  5555551234 (Cellphone) | |
| Expected Result | User is able to add all contacts and successfully submit | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |

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| **User Story ID / Title:** | **10 / Export Specific Purchase Order** | **Priority: 30** |
| **Type of Test** | **Black box** | |
| **Purpose of Test** | Test if the system allows the user to export the purchase order data into spreadsheets | |
| **Test Case Number** | **10-1** | |
| Objective of Case | Test if correct data were extracted from the database to generate the purchase order form. | |
| Input | The user selects a purchase order | |
| Expected Result | System extracts the correct data from the database | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **10-2** | |
| Objective of Case | Test if the generated file is a spreadsheet. | |
| Input | The user selects a purchase order | |
| Expected Result | System makes a csv file | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **10-3** | |
| Objective of Case | Test if the spreadsheet is located in the specified directory | |
| Input | The user selects a purchase order | |
| Expected Result | System makes a csv file at the specified directory | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **10-4** | |
| Objective of Case | Test if the spreadsheet has the given filename. | |
| Input | The user selects a purchase order | |
| Expected Result | System makes a csv file which has a filename of Report | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **10-5** | |
| Objective of Case | Test if the content of the generated file follows the required format specified by the company. | |
| Input | The user selects a purchase order | |
| Expected Result | System makes a csv file which contains the purchase order selected by the user and follows the required format specified by the company | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |

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| **User Story ID / Title:** | **17 / Add Employee Details** | **Priority: 30** |
| **Type of Test** | **Black box** | |
| **Purpose of Test** | Test if the system allows the user to modify existing employee details | |
| **Test Case Number** | **17-1** | |
| Objective of Case | Test if the displayed details are consistent with the details in the database | |
| Input |  | |
| Expected Result |  | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **17-2** | |
| Objective of Case | Test if the system displays a warning message if there is any significant information that was left blank upon submission. | |
| Input | Name: // blank  Status: active | |
| Expected Result | System will show an error message stating the name field is left empty | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **17-3** | |
| Objective of Case | Test if the system displays a warning message if there is any significant information that was left blank upon submission. | |
| Input | Name: Antonio Mariano Angeles  Status: // blank | |
| Expected Result | System will show an error message stating the status field is left empty | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **17-4** | |
| Objective of Case | Test if the system displays an updated list of employees once the details are modified to the database. | |
| Input | Name: Antonio Mariano Angeles  Status: Active | |
| Expected Result | The system will show the updated list containing the values inputted | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |

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| **User Story ID / Title:** | **19 / View Projects** | **Priority: 30** |
| **Type of Test** | **Black box** | |
| **Purpose of Test** | Test if the system allows the user to view the list of projects properly | |
| **Test Case Number** | **19-1** | |
| Objective of Case | Test if the system displays the data equivalent to the ones in the database. | |
| Input | User selects view | |
| Expected Result | System displays the data equivalent to the ones in the database. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **19-2** | |
| Objective of Case | Test if the system displays a message stating the list is empty when the list is empty. | |
| Input | //ASSUME THE LIST IS EMPTY  User selects view | |
| Expected Result | The system will show a message stating the list is empty. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **19-3** | |
| Objective of Case | Test if the system displays a list of projects that fits the chosen criteria. | |
| Input |  | |
| Expected Result |  | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **19-4** | |
| Objective of Case | Test if the system displays a notification message if there are no matches to the criteria. | |
| Input |  | |
| Expected Result |  | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |

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| **User Story ID / Title:** | **20 / Add Projects** | **Priority: 30** |
| **Type of Test** | **Black box** | |
| **Purpose of Test** | Test if the system allows the user to add projects | |
| **Test Case Number** | **20-1** | |
| Objective of Case | Test if the system displays a confirmation message to check if all entered information is correct before saving it. | |
| Input | Project Name: Project One  Start Date: 04-22-2015  End Date: abC123!@# | |
| Expected Result | The system will show an error message saying the end date input is invalid. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **20-2** | |
| Objective of Case | Test if the system displays an error message if there is any significant information that was left blank upon submission. | |
| Input | Project Name: Project One  Start Date: 04-22-2015  End Date: //blank | |
| Expected Result | The system will show an error message saying there are important fields left blank. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **20-3** | |
| Objective of Case | Test if the system displays an error message if the project has already been added previously based on name. | |
| Input | Project Name: Project One  Start Date: 04-22-2015  End Date: 04-23-2015  //submit this twice | |
| Expected Result | The system will show an error message saying the project already exists. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **20-4** | |
| Objective of Case | Test if the system displays an updated project list once the details are added to the database. | |
| Input | User selects view after adding project.  Project Name: Project Two  Start Date: 04-23-2015  End Date: 04-24-2015 | |
| Expected Result | The system displays updated list. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **20-5** | |
| Objective of Case | Test if the system displays an error message if the end date occurs before the start date. | |
| Input | Project Name: Project Three  Start Date: 05-22-2015  End Date: 04-23-2015 | |
| Expected Result | The system will show an error message saying the end date is earlier than the start date. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |

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| **User Story ID / Title:** | **22 / Assign Employees to Projects** | **Priority: 30** |
| **Type of Test** | **Black box** | |
| **Purpose of Test** | Test if the system allows the user to assign employees to a project. | |
| **Test Case Number** | **22-1** | |
| Objective of Case | Test if the system displays the lists of employees properly, that is, those assigned are separate from those not assigned. | |
| Input | User selects view | |
| Expected Result | System displays the data equivalent to the ones in the database. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **22-2** | |
| Objective of Case | Test if the system displays a message stating the list is empty when the list is empty. | |
| Input | //ASSUME THE LIST IS EMPTY  User selects view | |
| Expected Result | The system will show a message stating the list is empty. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |
| **Test Case Number** | **22-3** | |
| Objective of Case | Test if the system displays a message once the information has been successfully saved in the database. | |
| Input | Name: Antonio Angeles  Status: Active  Project: Project One  //assume the user is editing employee information  //assume Project One exist | |
| Expected Result | The system will show a message the modification is successful. | |
| Actual Result |  | |
| Conclusion |  | |
| Remarks |  | |

**Appendix B. Test Script**

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| **Test Script ID / Title** | 1 / User logs in and manages accounts | | |
| **Purpose of Test** | *The purpose of this test is to check that the user can login and modify his/her login details and that the manager can grant admin rights to users* | | |
| **User Stories** | ***01 - Log In***  *// assume this user story allows the user to login* | | |
| *Test Data*  *// User may login as Manager (a user with manager permissions)*  *Username: Manager*  *Password: ManagerPassword123*  *// Alternative: User may login as Technician (a user with technician permissions)*  *Username: Technician*  *Password: TechnicianPassword456* | *Expected Output*  *System displays and allows access to the inventory module* | *Actual Output* |
|  | ***02 - Modify Login Details***  *// assume this user story allows the user to modify his/her settings* | | |
|  | *Test Data // User chooses to change password*  *// Assume the user logged in is Manager*  *Old Password: ManagerPassword123*  *New Password: Secret789*  *Confirm New Password: Secret789*  *// User submits password*  *// User chooses to change notification settings*  *Warranty Duration: 10 Days*  *Contract Duration: 3 Weeks*  *// User submits changes* | *Expected Output*  *System displays a message informing the user that the settings were successfully changed* | *Actual Output* |
|  | ***18 - Grant Admin Rights***  *// assume this user story allows the manager to grant or remove admin rights of a user* | | |
|  | *Test Data*  *// Assume the user logged in is a manager user*  *// User chooses a technician user to grant admin privileges to*  *// User confirms selection* | *Expected Output*  *The selected user is granted admin privileges* | *Actual Output* |
| **Findings** |  | | |
| **Remarks** | *DEV:*  §  *ANA:*  § *The username displayed currently when the user logs in does not correspond to the actual username of the user.*  *QA:*  §    *Client wants the following features, which are not included in the current scope of the software. These will be tagged as recommendations for future revisions:*  § | | |

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| **Test Script ID / Title** | 2 / User manages inventory | | |
| **Purpose of Test** | *The purpose of this test is to check that the user can view, add and update inventory items and export inventory data* | | |
| **User Stories** | ***24 - Add Item***  *// assume this user story allows the user to add a new inventory item* | | |
| *Test Data*  *Name: Dell Laptop*  *Description: 14 inch LCD display, core i3*  *Unit Price: 40000*  *Location: 1WS*  *// User may choose to assign or not assign an item to an employee*  *Status: In Store*  *Type: IT Asset*  *Asset Tag: 900550*  *Service Tag: 1234567890ABC*  *// User may choose from the list of employees*  *Assignee: None*  *Warranty Start: 2015-04-12*  *Warranty End: 2019-04-12*  *Contract Start: 2015-04-12*  *Contract End: 2015-04-12*  *Maintenance Cost: 2000*  *// User submits item* | *Expected Output*  *System displays a message notifying the user that he/she has successfully added an item and displays the added item in the inventory item list* | *Actual Output* |
|  | ***25 - Add Item Through Purchase Order***  *// assume this user story allows the user to add an inventory item from a purchase order* | | |
|  | *Test Data*  *// User inputs data from an existing purchase order*  *// User submits item* | *Expected Output*  *System displays a message notifying the user that he/she has successfully added an item and displays the added item in the inventory item list* | *Actual Output* |
|  | ***23 - View Inventory***  *// assume this user story allows the user to view and filter the list of inventory items* | | |
|  | *Test Data*  *// User chooses to filter view*  *// User may filter the view through any part of the item data*  *// Assume the previously added item was added successfully*  *Asset Tag: 900550*  *// User submits filtering criteria* | *Expected Output*  *System displays the filtered item that matches the given asset tag (Dell Laptop)* | *Actual Output* |
|  | ***26 - Update Item***  *// assume this user story allows the user to modify an existing inventory item* | | |
|  | *Test Data*  *// User chooses to edit the previously added item*  *Description: 14 inch LCD display, core i3, 6 hour battery life*  *// User chooses to submit changes* | *Expected Output*  *System displays a message notifying the user that the modifications were made successfully and displays the updated item information* | *Actual Output* |
|  | ***03 - Export Inventory Data***  *// assume this user story allows the user to export inventory data to a spreadsheet* | | |
|  | *Test Data*  *Name: April2015InventoryReport*  *Destination: Desktop*  *// User chooses to export to the given filename and destination* | *Expected Output*  *System displays a message notifying the user that he/she has successfully exported the inventory data and saves the data in a csv file with the given name and in the given location* | *Actual Output* |
| **Findings** |  | | |
| **Remarks** | *DEV:*  §  *ANA:*  §When an error message pops up, the add inventory form just disappears immediately and goes back to the view list of inventory rather than letting the user fix the problem/s indicated on the message.  When the user selected the status of an item as “In Store”, the gui element for selecting an assignee is still present, which in this case it should not be.  Also, the gui element for the contract end date was displayed before the contract start date.  *QA:*  §    *Client wants the following features, which are not included in the current scope of the software. These will be tagged as recommendations for future revisions:*  § | | |
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| **Test Script ID / Title** | 3 / User manages suppliers | | |
| **Purpose of Test** | *The purpose of this test is to check that the user can view, record and update supplier details* | | |
| **User Stories** | ***05 - Record Supplier Details***  *// assume this user story allows the user to add a new supplier to the system* | | |
| *Test Data*  *Supplier: Dell*  *Country: United States of America*  *State: Texas*  *City: Round Rock*  *Contact #: 1-800-433-9014 (Telephone)*  *// User may add more than one contact number*  *// User submits inputted information* | *Expected Output*  *System displays a message informing the user that the supplier was successfully added and displays the new supplier in the list* | *Actual Output* |
|  | ***04 - View Suppliers***  *// assume this user story allows the user to view and filter the list of suppliers* | | |
|  | *Test Data*  *// User chooses to filter view*  *Supplier: Dell*  *// User chooses to filter given the inputted criteria* | *Expected Output*  *System displays the previously added supplier* | *Actual Output* |
|  | ***06 - Update Supplier Details***  *// assume this user story allows the user to modify an existing supplier’s details* | | |
|  | *Test Data*  *// Assume the previously added supplier was added successfully*  *// User chooses to modify the previously added supplier details*  *Name: Dell US*  *// User chooses to submit changed details* | *Expected Output*  *System displays a message informing the user that the supplier was successfully modified and displays the modified information in the list of suppliers* | *Actual Output* |
| **Findings** |  | | |
| **Remarks** | *DEV:*  §  *ANA:*  § *The client orders to change the attributes of the supplier address to be street, city, country accordingly, in contrast to the current attributes of the supplier address which are state, street, country..*  *QA:*  §    *Client wants the following features, which are not included in the current scope of the software. These will be tagged as recommendations for future revisions:*  § | | |

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| **Test Script ID / Title** | 4 / User manages purchase orders | | |
| **Purpose of Test** | *The purpose of this test is to check that the user can view, create and update purchase orders and export specific purchase order data* | | |
| **User Stories** | ***08 - Create Purchase Order***  *// assume this user story allows the user to add a new purchase order* | | |
| *Test Data*  *// User can choose from the list of suppliers*  *Supplier: Dell*  *// User can choose a classification of hard (for hardware), soft (for software) or gen (for general)*  *Classification: Hard*  *Date: 2015-04-12*  *Currency: Philippine Peso*  *// User can add multiple items to one purchase order*  *// User chooses to add an item*  *Item: Dell Netbook*  *Item Description: 11 inch LCD*  *// User can choose to classify an asset as IT or non-IT for hardware items*  *Type: IT Asset*  *Quantity: 3*  *Unit Price: 20000*  *// User can choose to include VAT in computations or not*  *// User chooses to submit inputted information* | *Expected Output System displays a message informing the user that the purchase order was successfully added and displays the new purchase order in the list* | *Actual Output* |
|  | ***07 - View Purchase Orders***  *// assume this user story allows the user to view and filter the list of purchase orders* | | |
|  | *Test Data*  *// User chooses to filter view*  *Item Classification: Hardware*  *Supplier: Dell*  *Date: 2015-04-12*  *// User chooses to submit inputted information* | *Expected Output System displays the previously added purchase order* | *Actual Output* |
|  | ***09 - Update Purchase Order***  *// assume this user story allows the user to modify an existing purchase order* | | |
|  | *Test Data*  *// Assume the previously added purchase order was successfully added*  *// User chooses to modify the previously added purchase order*  *Date: 2015-04-14* | *Expected Output*  *System displays a message informing the user that the purchase order was successfully modified and displays the new purchase order information in the list* | *Actual Output* |
|  | ***10 - Export Specific Purchase Order***  *// assume this user story allows the user to export the purchase order data into spreadsheets to generate the purchase order forms* | | |
|  | *Test Data*  *// User can choose to export the information for any individual purchase order*  *// User chooses to export the previously added purchase order*  *Name: April2015DellPO*  *Destination: Desktop*  *// User chooses to export to the given filename and destination* | *Expected Output*  *System displays a message notifying the user that he/she has successfully exported the purchase order data and saves the data in a csv file with the given name and in the given location* | *Actual Output* |
| **Findings** |  | | |
| **Remarks** | *DEV:*  §  *ANA:*  §  *The client wants to remove the VAT from the purchase order, to center align the column for quantity, to suggest items to be ordered based on the type of the purchase order, and to autofill the fields (i.e. name, description, unit price)corresponding to the selected item’s information.*  *QA:*  §    *Client wants the following features, which are not included in the current scope of the software. These will be tagged as recommendations for future revisions:*  § | | |

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| **Test Script ID / Title** | 5 / User manages contract and warranty expiry dates | | |
| **Purpose of Test** | *The purpose of this test is to check that the user can record contract and warranty expiry dates and be notified of incoming contract and warranty expiry dates* | | |
| **User Stories** | ***11 - Record Contract Expiry Dates***  *// assume this user story allows the user to record an item’s contract expiry date* | | |
| *Test Data*  *// User adds an inventory item with an upcoming contract expiry date*  *Contract End: // Input day after the current day* | *Expected Output*  *System displays a message informing the user that the inventory item was successfully added* | *Actual Output* |
|  | ***12 - View Incoming Contract Expiry Dates***  *// assume this user story allows the user to view notifications on items with incoming contract expiry dates* | | |
|  | *Test Data*  *// Assume the previously added inventory item was successfully added* | *Expected Output System displays a notification informing the user of incoming contract expiry dates* | *Actual Output* |
|  | ***13 - Record Warranty Expiry Dates***  *// assume this user story allows the user to record an item’s warranty expiry date* | | |
|  | *Test Data*  *// User adds an inventory item with an upcoming warranty expiry date*  *Warranty End: // Input day after the current day* | *Expected Output*  *System displays a message informing the user that the inventory item was successfully added* | *Actual Output* |
|  | ***14 - View Incoming Warranty Expiry Dates***  *// assume this user story allows the user to view notifications on items with incoming warranty expiry dates* | | |
|  | *Test Data*  *// Assume the previously added inventory item was successfully added* | *Expected Output System displays a notification informing the user of incoming warranty expiry dates* | *Actual Output* |
| **Findings** |  | | |
| **Remarks** | *DEV:*  §  *ANA:*  §  *The client is still not notified automatically of the nearing contracts/ warranties with nearing expiry dates. The user still needs to logout then login again before being notified.*  *QA:*  §    *Client wants the following features, which are not included in the current scope of the software. These will be tagged as recommendations for future revisions:*  § | | |
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| **Test Script ID / Title** | 6 / User manages projects | | |
| **Purpose of Test** | *The purpose of this test is to check that the user can view and add projects* | | |
| **User Stories** | ***20 - Add Projects***  *// assume this user story allows the user to add a new project* | | |
| *Test Data*  *Project Title: Inventory Management System*  *Start Date: 2015-01-20*  *End Date: 2015-04-20*  *// User chooses to submit inputted data* | *Expected Output System displays a message informing the user that the project was successfully added and displays the new project in the list* | *Actual Output* |
|  | ***19 - View Projects***  *// assume this user story allows the user to view the list of projects* | | |
|  | *Test Data*  *// Assume the previously added project was successfully added*  *// User chooses to filter view*  *Project Title: Inventory Management System*  *Start Date: 2015-01-20*  *End Date: 2015-04-20*  *// User chooses to submit inputted data* | *Expected Output System displays the previously added project* | *Actual Output* |
| **Findings** |  | | |
| **Remarks** | *DEV:*  §  *ANA:*  § *The client orders to change the project title to project name and wants the system to suggests project names to be edited or to be added rather than to input it manually.*  *QA:*  §    *Client wants the following features, which are not included in the current scope of the software. These will be tagged as recommendations for future revisions:*  § | | |

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| **Test Script ID / Title** | 7 / User manages and assigns items and projects to employees | | |
| **Purpose of Test** | *The purpose of this test is to check that the user can view, add and update employee details and assign items and projects to these employees* | | |
| **User Stories** | ***16 - Add Employees***  *// assume this user story allows the user to add a new employee* | | |
| *Test Data*  *Name: Austin Fernandez*  *Status: Active*  *// User can choose to add a regular employee or a technician; the latter would require a username and password for accessing the system*  *Type: Employee*  *// User chooses to submit the inputted data* | *Expected Output*  *System displays a message informing the user that the employee was successfully added and displays the new employee in the list* | *Actual Output* |
|  | ***15 - View Employees***  *// assume this user story allows the user to view and filter the list of employees* | | |
|  | *Test Data*  *// User chooses to filter view*  *Name: Austin Fernandez*  *Status: Active*  *Type: Employee*  *// User chooses to submit the inputted data* | *Expected Output*  *System displays the previously added employee* | *Actual Output* |
|  | ***17 - Update Employee Details***  *// assume this user story allows the user to modify an existing employee’s details* | | |
|  | *Test Data*  *// Assume the previously added employee was successfully added*  *// User chooses to modify the previously added employee*  *Name: Ryan Fernandez*  *// User chooses to submit the inputted data* | *Expected Output*  *System displays a message informing the user that the employee was successfully modified and displays the modified employee in the list* | *Actual Output* |
|  | ***21 - Assign Items to Employees***  *// assume this user story allows the user to assign items to an employee* | | |
|  | *Test Data*  *// User chooses to modify an inventory item*  *Status: Assigned*  *Assignee: Ryan Fernandez*  *// User chooses to submit the inputted data* | *Expected Output*  *System displays a message notifying the user that the modifications were made successfully and displays the updated item information* | *Actual Output* |
|  | ***22 - Assign Employees to Projects***  *// assume this user story allows the user to assign projects to an employee* | | |
|  | *Test Data*  *// User chooses to edit a project*  *// User chooses to add an employee to the project* | *Expected Output*  *Employee is added to the project* | *Actual Output* |
| **Findings** |  | | |
| **Remarks** | *DEV:*  §  *ANA:*  § *The client can’t edit the same employee details twice since there is a problem with the edit button. The client orders to remove the unnecessary information in displaying the project assignment start and end date. The client also orders to change the way the employee and the project information are currently displayed to the format specified below.*  *Employee | project Description | startdate | end date*  *employee name | proj#1 |April 17,2015 | April 23.2016*  *| proj#2 |March 17,2015 | January 23.2016*  *++++++++++++++++++++++++++++++++++++++++++++++++++++++++*  *employee #2 | proj#1 |April 17,2015 | April 23.2016*  *| proj#2 |March 17,2015 | January 23.2016*  *QA:*  §    *Client wants the following features, which are not included in the current scope of the software. These will be tagged as recommendations for future revisions:*  § | | |
|  |  | | |