

**CAI-STA PURCHASE AND INVENTORY MANAGER**

TEST REPORT FOR ITERATION 1 USER STORIES

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| **Team Name** | **SystemScape** |
| **Section** | S19A |
| **Team Members** | Angeles, Antonio Mariano  Coquilla, Phillip Bryan  Cote, Christian Gabriel  Fernandez, Ryan Austin  Poblete, Clarisse Felicia  Quindoza, Rissa Marie Grace  Salceda, Francesco Juan  Tan, Shayane  Uy, Mervin Stewart  Velez, Gio Anton |
| **Date Submitted** |  |

**1.0 Introduction**

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

“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”

Iteration 1 user stories is mainly composed of features that show reports(e.g. inventory, warranty, etc.), features that adds data(e.g. purchase order, suppliers, etc.) to the client’s database, and features such as login that secures the system.

The tests are mostly black box testing but other tests were also performed. For instance, a usability testing was performed on User Story # 4, Test Case 4-5, and User Story 16, Test Case 16-19. A design review was performed on User Story 6, Test Case 6-9. The main purpose of conducting these tests was to ensure that the system is with as small amount of errors as possible. The tests were done with the intention of finding out as many errors as possible within a timespan of two hours and most test cases contains an input that might crash the system.

**2.0 Contribution Log**

**Validation Testing**

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| **Test Case ID – User Story** | **Writer** | **Tester** |
| 1 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 2 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 3 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 4 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 5 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 6 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 7 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 8 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 9 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 10 - Create Purchase Order | Clarisse Poblete | Clarisse Poblete |
| 1 - Record Supplier Details | Clarisse Poblete | Clarisse Poblete |
| 2 - Record Supplier Details | Clarisse Poblete | Clarisse Poblete |
| 3 - Record Supplier Details | Clarisse Poblete | Clarisse Poblete |
| 4 - Record Supplier Details | Clarisse Poblete | Clarisse Poblete |
| 5 - Record Supplier Details | Clarisse Poblete | Clarisse Poblete |
| 6 - Record Supplier Details | Clarisse Poblete | Clarisse Poblete |
| 1 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 2 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 3 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 4 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 5 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 6 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 7 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 8 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 9 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 10 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 11 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 12 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 13 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 14 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 15 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 16 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 17 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 18 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 19 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 20 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 21 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 22 - Add Inventory Item | Clarisse Poblete | Clarisse Poblete |
| 1 - View Suppliers | Mervin Uy | Mervin Uy |
| 2 - View Suppliers | Mervin Uy | Mervin Uy |
| 3 - View Suppliers | Mervin Uy | Mervin Uy |
| 4 - View Suppliers | Mervin Uy | Mervin Uy |
| 1 - View Purchase Orders | Mervin Uy | Mervin Uy |
| 2 - View Purchase Orders | Mervin Uy | Mervin Uy |
| 3 - View Purchase Orders | Mervin Uy | Mervin Uy |
| 4 - View Purchase Orders | Mervin Uy | Mervin Uy |
| 5 - View Purchase Orders | Mervin Uy | Mervin Uy |
| 1 - View Inventory | Mervin Uy | Mervin Uy |
| 2 - View Inventory | Mervin Uy | Mervin Uy |
| 3 - View Inventory | Mervin Uy | Mervin Uy |
| 4 - View Inventory | Mervin Uy | Mervin Uy |
| 1 - Add Employee | Mervin Uy | Mervin Uy |
| 2 - Add Employee | Mervin Uy | Mervin Uy |
| 3 - Add Employee | Mervin Uy | Mervin Uy |
| 1 - Record Warranty Dates | Antonio Angeles | Antonio Angeles |
| 2 - Record Warranty Dates | Antonio Angeles | Antonio Angeles |
| 3 - Record Warranty Dates | Antonio Angeles | Antonio Angeles |
| 4 - Record Warranty Dates | Antonio Angeles | Antonio Angeles |
| 5 - Record Warranty Dates | Antonio Angeles | Antonio Angeles |
| 6 - Record Warranty Dates | Antonio Angeles | Antonio Angeles |
| 7 - Record Warranty Dates | Antonio Angeles | Antonio Angeles |
| 8 - Record Warranty Dates | Antonio Angeles | Antonio Angeles |
| 1 - Record Contract Dates | Antonio Angeles | Antonio Angeles |
| 2 - Record Contract Dates | Antonio Angeles | Antonio Angeles |
| 3 - Record Contract Dates | Antonio Angeles | Antonio Angeles |
| 4 - Record Contract Dates | Antonio Angeles | Antonio Angeles |
| 5 - Record Contract Dates | Antonio Angeles | Antonio Angeles |
| 6 - Record Contract Dates | Antonio Angeles | Antonio Angeles |
| 7 - Record Contract Dates | Antonio Angeles | Antonio Angeles |
| 8 - Record Contract Dates | Antonio Angeles | Antonio Angeles |
| 9 - Record Contract Dates | Antonio Angeles | Antonio Angeles |
| 1 - Login Users | Mervin Uy | Mervin Uy |
| 2 - Login Users | Mervin Uy | Mervin Uy |
| 3 - Login Users | Mervin Uy | Mervin Uy |
| 4 - Login Users | Mervin Uy | Mervin Uy |
| 5 - Login Users | Mervin Uy | Mervin Uy |
| 6 - Login Users | Mervin Uy | Mervin Uy |
| 7 - Login Users | Mervin Uy | Mervin Uy |
| 8 - Login Users | Mervin Uy | Mervin Uy |
| 1 - Notify Incoming Warranty Expirations | Antonio Angeles | Antonio Angeles |
| 2 - Notify Incoming Warranty Expirations | Antonio Angeles | Antonio Angeles |
| 1 - Notify Incoming Contract Expirations | Antonio Angeles | Antonio Angeles |
| 2 - Notify Incoming Contract Expirations | Antonio Angeles | Antonio Angeles |

**Verification Testing for Design**

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| --- | --- |
| **Design Artifact Reviewed** | **Reviewer** |
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**3.0 Software Summary**

*This section is supposed to clarify the state of the software you received for review. How complete or incomplete was it when you performed the testing?*

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| --- | --- | --- |
| **ID - User Story** | **Priority** | **Progress** |
| 6 - Create Purchase Order | HIGH - 10 | INCOMPLETE - No validation of user inputs but can save to the database |
| 4 - Record Supplier Details | HIGH - 10 | INCOMPLETE - No validation of user inputs but can save to the database |
| 16 - Add items to inventory | HIGH - 10 | INCOMPLETE - Actual functionality is not present though the user interface is |
| 3 - View Suppliers | HIGH - 10 | INCOMPLETE - View is implemented but filter is not |
| 5 - View Purchase Orders | HIGH - 10 | INCOMPLETE - View is implemented but filter is not |
| 15 - View Inventory | HIGH - 10 | INCOMPLETE - View is implemented but filter is not |
| 13 - Add employees | HIGH - 10 | INCOMPLETE - Actual functionality is not present though the user interface is |
| 10 - Record Warranty Dates | HIGH - 10 | INCOMPLETE - Actual functionality is not present though the user interface is |
| 8 - Record Contract Dates | HIGH - 10 | INCOMPLETE - Actual functionality is not present though the user interface is |
| 1 - Login | HIGH - 20 | INCOMPLETE - Different settings for different types of users are present though the system does not check for usernames and passwords in the database |
| 11 - Notify Incoming Warranty Expirations | HIGH - 20 | INCOMPLETE - Actual functionality is not present though the user interface is |
| 9 - Notify Incoming Contract Expirations | HIGH - 20 | INCOMPLETE - Actual functionality is not present though the user interface is |

<id> is from the Project Plan

\*Highlight the missing features in red

**4.0 Test Cases with FAIL Result**

*\*Arrange by severity:*

· *critical:* Inconsistent data is stored on the database, system crash with data loss

· *major:* Process aborts or terminates before completing the task, system crash, major functionality malfunction, functional issue with difficult work around

· *minor:* Minor functionality malfunction, functional issue with simple workaround, critical usability issue

· *trivial:* Typo, grammar mistake, misspelling, wrong terminology; General usability issue; Stylistic issue and details

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| --- | --- | --- |
| **User Story ID - Name** | **Problem Description** | **Severity** |
| 16 - Add Inventory Item | The system does not add inventory items to the database. | **Critical** |
| 13 - Add Employee | It does not work. The status drop down menu does not show any value for the user to input so data cannot be added to the database. | **Critical** |
| 10 - Record Warranty Dates | The system does not add warranty expiry dates to the database. | **Critical** |
| 8 - Record Contract Dates | The system does not add contract expiry dates to the database. | **Critical** |
| 11 - Notify Incoming Warranty Expirations | The system does not display notification messages for incoming warranty expiry dates. | **Critical** |
| 9 - Notify Incoming Contract Expirations | The system does not display notification messages for incoming contract expiry dates. | **Critical** |
| 3 - View Suppliers | The filter does not work. The input of criteria is fine but filtering does not occur.  The existing entries replicate themselves in the list.  Lack of error messages for:   * Empty lists * No match found (filter)   Filter panel does not close itself after proper (e.g. every field is filled, etc.) submission. | **Major** |
| 5 - View Purchase Orders | The filter does not work. The input of criteria is fine but filtering does not occur.  Lack of error messages for:   * Empty lists * No match found (filter) | **Major** |
| 15 - View Inventory | The filter does not work. The drop down menu for filtering criteria doesn’t contain any values.  Lack of error messages for:   * Empty lists * No match found (filter) | **Major** |
| 1 - Login | Login does not check whether or not the username is registered in the database. | **Major** |
| 6 - Create Purchase Order | The system does not validate user inputs. | **Minor** |
| 4 - Record Supplier Details | The system does not validate user inputs. | **Minor** |

**5.0 Design and Code**

*Use this format for both Design and Code Review. You can separate them into different tables for clarity of presentation.*

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| **Sequence ID** | **Problem Description** | **Instances (Class – Line # / Entity / UI)** |
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**Appendix A. Test Cases with Results and Findings**