**Software Testing Plan**

Testing of the system is important to ensure functionality. Team Awesome will be testing the Max Inventory System to ensure functionality and customer satisfaction with the result. The testing will consist of four stages. Testing will be done in sequential order, with each previous stage complete before starting the next.

**Module Testing**

A module is a small part of the system. Each module will be tested individually, this will allow Team Awesome to identify issues with small parts of code. Module testing will work with the Structure Chart and CRUD table. The module will be tested by the person that developed the module. These tests will take place April 2, 2018 through April 9, 2018 and will be done by Paul Naumann.

**Integration Testing**

Upon successful completion of a module testing, the module will be added to the system. When a new module is integrated to the system, the system will be tested with the new module. This testing will ensure that all modules will properly function with each other. These tests will take place April 10, 2018 through April 17, 2018 and will be done by Justin Hendricks.

**System Testing**

When every module has been integrated and tested, System testing will begin. System testing will be used to ensure that the entire system will function together and produce the desired result. These tests will take place April 17,2018 through April 24, 2018 and will be done by Collyn Sansoni.

**Performance Testing**

Performance testing will be used to test the length of time needed to complete large transactions as well as simple transactions. This testing will ensure that transactions can be completed in a reasonable time. Data will be entered into the system in random quantities to make sure performance is acceptable. Load time should be no more than 2 seconds.

**Storage Testing**

The system needs to store data, so storage testing will be used to ensure that the amount of data needing to be stored can be stored in the database. The system will also be tested to make sure a safety margin will be provided for storage to confidently know that the system will not run out of storage. A data amount will be approximated to what the system will need to hold. This data will be input into the system and checked for storage capabilities.

**Procedure Testing**

Procedure testing will be used to ensure the end user documentation. Procedure testing will work with the end user to make sure the documentation is understandable and the processes of the system are well laid out and easy to follow. A proctor will be selected to work with management to note if management was able to follow the procedures of the system.

**Acceptance Testing**

Acceptance testing will ensure that the scope of the project has been met. Acceptance testing will entail a full demonstration of the system and its features. This will Team Awesome to display the system to management at The Max. During this demonstration the client will have the opportunity to identify issues that they have with the system and rank them in severity. These will take place April 24,2018 through May 1, 2018 and will be done by Tom Jorgensen and Abdulaziz Matar.