# 1. Introduction

## 1.1 Purpose

The purpose of this Software Requirements Specification (SRS) document is to provide a detailed description of the functionalities of the Warehouse Management Tool system. This document will cover each of the system’s intended features, as well as offer a preliminary glimpse of the software application’s User Interface (UI). The document will also cover hardware, software, and various other technical dependencies.

## 1.2 Document Conventions

This document is unique. Its scope is to describe the requirements of the Warehouse Management Tool system and the interfaces for it. This document has been created before the actual program is constructed, hence is it important to note that future changes to the program should be included in this requirement specification document, in order to maintain its usefulness. Since the program has not been implemented yet, this document can be used as a manual for development of the system.

## 1.3 Intended Audience and Reading Suggestions

This document may be used by the staff or clients of the Warehouse Management Tool system. They can easily understand the features and the operations of this system. They can also be informed of all the possibilities the program provides. Users can get a general image of the program and use it with better ease and understanding. This document could be studies by the programmers, so they have the chance to identify and alter possible problems that needs improvement. Also, they can fully understand the nature of the program and implement new features to it. It is recommended to study the document carefully in order to fully understand the program and features as well as identifying errors. Basically, this document helps users and testers to understand how the Warehouse Management Tool system is supposed to work and also to identify bugs and errors.

## 1.4 Project Scope

Project will be developed under the scenario of Warehouse Management Tool System, WM tool system in short. Web portal for this domain is currently not specified. An effective Warehouse Management Tool is essential for streamlining process, long range planning and optimization. It gives a better understanding of day-to-day operation with its summary information of how a warehouse is performing. The managers could use this data for making critical management decisions.

It is critical for the warehouse management to have an effective system in place due to various reasons such as security, accuracy, availability and so on. We are requested to use a test-driven approach to develop the warehouse management tool which needs to meet the following requirements.

List of features include:

1) Ability to add/update records on the incoming stock and outgoing stock easily.

2) Track the stock in accordance to their category and sub-category.

3) Ability to search and display available stock for a particular category and/or sub-category.

4) Ability to search and display stock in accordance to price range and quantity in ascending and descending order.

5) Daily, weekly or monthly summary report of total incoming and outgoing stock details.

6) Provide login authentication process.

7) Login security feature with option of encrypting the data stored.

8) If there are three unsuccessful login attempts, the record will be marked as “locked” and one is not allowed to login to the system.

9) The system shall encrypt and decrypt the password.

10) Provide stock item alerts when it drops below a threshold set previously.

## 1.5 References

Referenced to CSCI222\_Assignment1 words document for the features included.