Introduction

Purpose –

The purpose of this Software Requirements Specification document is to propose a system which will help the NTU staff to manage the stores. They currently do not possess a system which allows them to monitor the quantity of the products being consumed or to allow the (consumer) staffs to efficiently take the products. Instead, they write down the details on a piece of paper, from which the data is manually stored in 2 separate systems by the management staff; QuickBooks, which is responsible for creating an invoice for each department, and Sage, to update the database. The 2 systems mentioned are difficult to use, in addition to being time consuming and lack a lot of features making it hard for the staff to manage the stores. The proposed system will overcome this by combining Sage and QuickBooks along with providing additional features, such as the functionality to scan the products using external hardware, which will make it easier for the consumer staff to take items and the management staff to manage, as the system will update the database automatically.

The system is required to be able to; manage sock, create invoice for each department, create log of products taken by (which) staff, have unit of conversion between the unit supplied into the amount consumed, add new products on the catalogue, register products received from shipments, provide directions to help staff find items, notify the staff about important events, such as low stock, or shipment date. The system will deploy a very simple, easy to use UI with minimal input which will require no prior knowledge on using management systems. It will also provide staff with a ‘basket’ feature which will allow them to take bulk of items at once. There will also be an option for returning items, so if staff accidently took more than required, they can simply decrease the quantity on the checkout interface. The catalogue will have pictures with a brief description of the items to help consumer staff identify them easily. All the data will be backed up on an external (cloud-based) database to avoid data loss.

User Characteristics –

* Create customer profiles for each type of user who will be using the product
* Student/faculty/staff/other
* Experience
* Technical expertise
* Other general characteristics that may influence the product

Assumptions –

* any assumptions that affect the requirements
* for example, equipment availability
* user expertise
* For example, a specific operating system is assumed to be available; if the operating system is not available, the Requirements Specification would then have to change accordingly.

Scope and Constraints –

* description of the software application that Software Requirements Specification applies to.
* Also describe any items that will constrain the design options, including
* Parallel operation with an old system
* Audit functions (audit trail, log files, etc.)
* Access, management and security
* Criticality of the application
* System resource constraints (e.g., limits on disk space or other hardware limitations)
* Other design constraints (e.g., design or other standards, such as programming language or framework)

Glossary of terms –

* Outline any acronyms, abbreviations and definitions that will be used throughout the document

Overview –

* What does the rest of this document contain/how is it organised?

|  |  |
| --- | --- |
| The problem the system is to solve is explained is understood |  |
| The purpose of the document is outlined clearly, and consistent with the rest of the document |  |
| The users of the system have been described and discussed |  |
| All major assumptions made in the rest of the document have been stated |  |
| The scope is well defined, and realistic for the project. Relevant hardware and software constraints identified and described |  |
| The glossary serves as a useful aid in reading the rest of the document |  |
| Significant consideration of each aspect of the problem is evidence, and discussed |  |
| The Users’ technical expertise has been discussed |  |
| All assumptions have been stated, and brief details on how the document would have to change if these were to change has be |  |
| Scope is bulletproof, there is no ambiguity in what is in scope. Constraints discussed in good detail. |  |