**INVENTORY MANAGEMENT SYSTEM**

Requirement Specification Document

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**EXECUTIVE SUMMARY**

Quanteq's Admin Department performs duties to support shipping,receiving deliveries,coordinating stock,documenting store transaction,maintaining record and overseeing storage of surplus inventory of the organisation.This process overtime has proven to be tedious and less effective since it is done using the pen and paper approach.Till date,there is no detailed and effective action to address the way stock are kept in the store as well as how these items are issued out.

To increase accountability,accuracy and efficiency, it is necessary that an automated system be put in place to completely replace the use of papers to keep record of both existing and incoming stock and how they are issued out.

This initiative is to help the company increase efficiency of staffs and also keep track of items present in the store what is out of the store and who is in possession of it.

**PURPOSE OF THE DOCUMENT**

The purpose of this document is to describe the requirements needed for inventory management system.

**FUNCTIONAL REQUIREMENTS**

1. The system must be able to capture details of all the stock in the store. The details should include but not limited to;

a. product name

b. product barcode

c. product serial number

d. product model

e. supplier address

* country
* state

f. quantity

g.order date

h.arrival date

I. product cost

j. product category

k. product status

1. The system must be able to allow editing and modification of product record.
2. The system must be able to capture details of user

a. username

b.surname

c.firstname

d.password

e.role

1. The system should allow online requisition of items.
2. The system must be able to capture details of products issued out

a. product name

b. product serial number

c. user in possession of product

d. issue date

e. return date

f. quantity

g. status

I. issued by

1. The system must be able to capture detals of product returned

a. product name

b. product serial number

c. user in possession of product

d. issue date

e. return date

f. quantity

g. status

I. Collected by

j. reason for return

7. system should allow search for product by users.

8. system should allow printing of product details

9. system should allow printing requisition transaction(s).

10. The system must be able to capture all categories of products.

* Category number
* category name
* category describtion

11. The system must be able to capture all subcategories of products.

* Category number
* subcategory number
* subcategory name
* subcategory describtion

**NON FUNCTIONAL REQUIREMENTS**

N1. The system must allow support for the following web browsers:

Chrome and Mozilla firefox

**SECURITY REQUIREMENTS**

1. the system must be able to provide different levels of security.
2. The system must be able to define password policies.
3. The system must have a User management module.

* The system must allow User creation.
* The system must allow User to change their password.
* The system must allow Users to recover lost password.
* The system must allow for removal of User.

4. The system should be able to provide auudit trail of:

* record modification.
* User login and Logout.

**BACKUP REQUIREMENTS**

1. The system must allow for backup its data. The backup frequency should include but not limited to:
2. Daily
3. Weekly
4. Monthly

**REPORTING REQUIREMENTS.**

1. The system should be able to report on all stock available in store.
2. The system should be able to report all functional stock available in store.
3. The systm should be able to report all faulty product in the store.
4. The system should able to report product issued out.
5. The system should be able to report product not issued out.

**TRANING REQUIREMENT**

**HARDWARE/SOFTWARE CONSTRAINTS**