

Non-Functional Requirements

Speed

The software should be capable of swiftly responding to a user's commands. It must also be capable of displaying up-to-date information with minimal lagging.

Security

Given that this software will be managing data of its customers and goods, security measures must be put in place in order to properly protect the data in storage. The possible security measures that can be enforced include; password generation, security questions and answers, account creation and a possible fail-safe in order to lock out any intruders. Users must change the initially assigned login password immediately after the first successful login. Moreover, the initial should never be reused.

Portability of the system

Although the software will primarily be used on a pc, it would be in the user's best interest if the software were capable of being displayed from another device such as her smartphone.

Capacity of the System

Considering the type of system being built, it is also important for the system to have the capacity to customizable to suit the user's preferences. For this to happen the system should be able to track and store changes made by the user such as when and how to receive notifications.

Reliability

The software must prove to be reliable. Given that it is possible for minor and major system failures to occur, we must measure the reliability of the software by the number of failures that occur, the time between failures and the probability of it occurring again. Once the system passes these tests then we can deem it reliable. Also, the information given to the user must always be accurate in order to avoid losses. Every unsuccessful attempt by a user to access an item of data shall be recorded on an audit trail.

Localization

These refer to features of the software which are made for the user's geographical location. Features such as the language used, currencies, measurements, time zones etc.

Scalability

When we talk about scalability, we talking about it must be able to allow user add to the software. For our software to run properly, it would need to interact with other software such like the online shopping mall website, google, etc.

Scalability refers to being able to allow the user to connect the software in question to other software necessary for its use. Given the nature of the software it would be imperative for it to send and receive data from other software.

Usability

- **Navigation:** Refers to the ease with which the user can move through the app. The system must be designed with a user-friendly UI for the user's own benefit.
- **Purpose of Features:** When making buttons for the user to interact with, it is imperative to name them in such a way, the user will be able to make easy predictions on what that button does.

