**Operational requirements.**

**Technical:**

All office locations have always-on Special hardware, software, and network network connection permitting real-time requirements imposed by business requirements database updates.

**System integration:**

The system will read and write to the other systems main inventory database.

**Portability requirements:**

A program must operate with mobile devices(Android and IOS).

**Maintainabillity**

The mean time to restore the system (MTTRS) following a system failure must not be greater than 10 minutes. MTTRS includes all corrective maintenance time and delay time

**Performance requirements:**

The landing page supporting 5,000 users per hour must provide 4 second or less response time in a Chrome desktop browser, including the rendering of text and images and over an LTE connection.

***Speed:***

***Network transaction response time <= 4 function seconds.***

***Capacity:***

*Total and peak number of users and the volume of Maximum of 5000 simultaneous users at peak uses times.*

**Availability:**

The web dashboard must be available to US users 99.98 percent of the time every month during business hours EST.

**Performance Efficency:**

The ecommerce website should take less than 4 seconds to load.Compatibility:The IOS application bust support iphone devices running on OS versions 10.0 and higher.

**Scalability requirements:**

The system must be scalable enough to support 1,000 visits at the same time while maintaining optimal performance.

**Reliability requirements:**

The system must perform without failure in 98.7 percent of use cases during a month.

**Security requirements:**

*The system must be secure from unauthorized access.The solution must support Two Factor Authentication.*

**Access control:**

Inventory item changes can be made only by managers for items in their own department

**Encryption and authentication:**

Data will be encrypted from the user's computer to the Web site to provide secure ordering.

**Virus control:**

All uploaded files will be checked for viruses before being saved in the system.

**Localization requirement:**

The date format must be as follows: month.date.year.