

## **EXP NO: 2C NON-FUNCTIONAL REQUIREMENTS FOR ONLINE SHOPPING SYSTEM**

### **AIM:**

To perform analysis of the given problem statement for listing the functional requirements

### **PROBLEM STATEMENT:**

#### **ONLINE SHOPPING SYSTEM:**

In day to day life, we will need to buy lots of goods or products from a shop. It may be food items, electronic items, house hold items etc. Now days, it is really hard to get some time to go out and get them by ourselves due to busy life style or lots of works. In order to solve this, B2C E-Commerce websites have been started. Using these websites, we can buy goods or products online just by visiting the website and ordering the item online by making payments online. This existing system of buying goods has several disadvantages. It requires lots of time to travel to the particular shop to buy the goods. Since everyone is leading busy life now a day, time means a lot to everyone. Also there are expenses for travelling from house to shop. More over the shop from where we would like to buy something may not be open 24\*7\*365. Hence, we have to adjust our time with the shopkeeper's time or vendor's time. In order to overcome these, we have e-commerce solution, i.e. one place where we can get all required goods/products online. The proposed system helps in building a website to buy, sell products or goods online using internet connection. Purchasing of goods online, user can choose different products based on categories, online payments, delivery services and hence covering the disadvantages of the existing system and making the buying easier and helping the vendors to reach wider market

#### **NON-FUNCTIONAL REQUIREMENTS:**

##### **Maintainability:**

- The system should be developed in such a way that changes can be made easily, whether for bug fixes or to add new functionality.
- The system should be easy enough to maintain that someone else could do it with a manual and a few hours training.

##### **Portability:**

- The system should be portable to various operating environments.
- Should the current hosting become too restricting for the system, the system must be portable enough to be moved over to a new server with minimal downtime.

##### **Integrity:**

- The system should be able to protect and preserve transactions.

##### **Manageability:**

- The system should be developed in such a way that it can be easily reused, deployed and tested.

##### **Usability:**

- The user interface of the system should be very user friendly.

- It should not take more than 120 seconds for a new user to register for an account.
- It should not take more than 90 seconds for a registered user to place an order.

**Security:**

- There needs to be clearly defined roles of the users. These roles are 'customer' and 'administrator'. Each person that goes to the system's website will be required to register if they want to do more than just read / browse site content.
- A secure server will be required to ensure confidentiality of customer's credit card and other details.

**Simplicity:**

- The system shall be designed to be extremely simple, as complexity is the enemy of security.

**System Accountability:**

- Ensure that system operations are logged and audited.

**Personnel Integrity:**

- Those developing and operating the voting system should have unquestionable records of behavior.

**RESULT:**

The given problem statement is analysed and various non-functional requirements are listed.