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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 our daily lives, we often need to purchase various goods or products from shops, such as food, electronics, and household items. However, due to our busy lifestyles and work schedules, it can be difficult to find the time to physically visit a store. To address this issue, B2C e-commerce websites have been created, allowing us to buy products online by visiting a website and making online payments. However, this traditional method of purchasing products has its drawbacks, such as the need to travel to a physical store, which can be time-consuming and expensive. Furthermore, the store may not be open 24/7, requiring us to adjust our schedules to match the vendor's hours. To overcome these limitations, an e-commerce solution is proposed, where users can buy and sell products online via a website and internet connection. This proposed system offers a wide range of products, online payments, delivery services, and product categories, making purchasing easier and helping vendors to reach a broader 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.