listed.

192011242

NON-Functional Requirements for online voting system.

Aim :- To perform analysis of the given problem statements for listing the non-functional requirements.

Problem statements:

(i) current offline voting system Status:

Today, only about 1 percent of the population votes at poling places on hand counted paper ballots, but this figure is misleading.

(ii) New technology:

Today, an increasing fraction of the direct-recording electronic voting Machines on the market including:

online voting system:

online voting system protect the integrity of the votes from being able to vote multiple times.

Non-Functional Requirements:

voter Authencity:

Ensure that the voter must identify himself to be entitled to vote.

Accuracy:

The system shall recorded and count all the votes.

uniqueness: No voter should be able to vote than once.

Audit ability: It should be possible to verify that all the votes have been correctly accounted for in the final Electional tally.

voter anonymity:

Ensure that votes must not be

associated.

System integrity:

Ensure that the system can't be reconfigured during operation.

Availability:

Ensure that system especially the vote-casting equipment, shall be open source, so that it can allow external inspection.

System Disclosability:

The core of the system (especially the vote-caste opensource, so that it can allow External inspection and auditing.

System Accountability:

Ensure that system operation are logged and audited

personal Integrity:

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

Result:

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

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2B NON-Functional Requirements for library Management System

Aim To perform analysis of the given problem statement for listing the non-functional requirements.

problem statement:

As the size and capacity of the institute is increasing with the time, it has been proposed to develop a library information system (LIS):

Non-functional Requirements:

Efficiency Requirements

while a library Management system will be implemented librarian and user will Easily access library are searching and book transaction tasks

Performance Requirements:

The performance of the system should be fast and accurate and system should be able to handle large amount of data.

usability Requirements:

The system should accurately perform members registration, member validation.

Saftey Requirements :

. The database may get crashed at any certain time due to virus or operating system failure.

Saftey Requirements :

In implementing whole system is uses mayit uses html in front end with php as server side scripting language which will be used for database connectivity and backend i.e the database part is developed using SQL

Delivery :

The whole system is expected to be delivered in six month of time with a weekly evaluation by the project guide.

Security Requirement :

System should use secured database, normal user can just read information but they cannot edit or modify.

Result :

The given problem statement in analyzed and various functional requirements are listed

2c Non-functional Requirements for online shopping system:

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

problem statement:

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 really hard to get some time to go out and get them by ourselves.

NON-functional Requirements:

Maintainability:

→ The system should be dereloped in such a coay that changes can be maide easy, whether for bug fixes or add new functionality

Protability:

→ The system should be protable to various operating Environment.

Integrity:

The system should be able to protect and preserve transaction.

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 sec for a new user to register for an account

Simplicity:

The system shall be designed to be extremely simple, as completely is the enemy of security

Security / Accountability

Ensure that system are logged and audited.

Result:

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