

Experiment - 1

Exp. No: 1A

Functional Requirements for online Voting SystemAim:-

To perform analysis of the given problem statements for listing the functional requirements of the Online Voting System.

Problem Statement:-

i) Current offline voting system status:-

Today, only about 1% of population votes at polling 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 include provisions to network ~~all~~ of the voting machines in one polling place.

Online Voting System:-

Online voting systems protect the integrity of the vote by preventing voters from being able to vote multiple times. As a digital platform, they eliminate the need to gather in-person, cast votes using paper or by any other means.

Functional Requirements :-

- Admin : Starting point of any interaction with the information system. "Authorize organizer" and users i.e "Authorize user".
- Manage Election Districts : Create, view and modify different sets of election districts for one or more election procedures.
- User-Interface : The system shall provide an easy-to-use user-interface. Also, it shall not disadvantage any candidate while displaying.
- Manage electronic units :
Import, insert, view and modify electors for one or more election procedures.
- Support for Disabled Voters :
The system shall cater to the needs of physically challenged voters.
- Eligibility :
Only authorized voters, who are registered, should be able to vote.
- Voter Confirmation :
The voter shall be able to vote with the Voter confirmation or ID.

Result:-

The given / ~~problem~~ ²⁵ statement is analysed and various functional requirements are listed.

Exp NO: 1B

Functional Requirements for Library Management System.

Aim:-

To perform analysis of the given problem statements for listing the functional requirements.

Problem Statement:-

Several problems such as inadequacy of infrastructure and hardware, problems in the software, lack of trained and skilled staff and lack of funds.

Library Management System:-

The library management system software helps in reducing operational costs. Managing a library manually is labor intensive and an immense amount of paperwork is involved.

The system saves time for both the user and the librarian. With just a click the user can search for the books available in the library.

Functional Requirements:-

→ ~~Administrator~~ must be able to:

- provide the info. regarding books.
- Search for the required books from database.
- Add new book

→ ~~Administrator~~ Menu:

- Admin should be able to insert, modify and delete
- Can accept or reject a new user according to policy.
- Add and edit book categories.

→ List of books:-

Includes the bunch of books accordingly with series of department.

→ User Requirements:-

Any member of the institute who wishes to avail the facilities of the library has to register himself with the library information system.

→ Search book:-

The system must be able to search the database based on select search type, must be able to filter book based on keyword entered and must be able to show.

→ Issue books and return books:-

The system must be able to enter issue information in database, must be able to update no. of books, able to search if book is available or not before issuing books and should be able to enter issue and return date.

→ Event Addition:-

System should be able to add detailed information about events and display information on notice board available in the homepage of site.

Result:-

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

Exp No: 1c

Functional Requirements for Online Shopping System

Aim:-

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

Problem statement :-

→ Offline shopping system:- It includes the customer effort to shop the items it makes the customers inconvenience inefficiency.

→ Online shopping systems:- The functional and non-functional requirements were mentioned below to assure the benefits of online shopping system.

Online Shopping System:-

Online shopping is a form of electronic commerce which allows consumers to directly buy goods or services from a seller over the Internet using a web browser or a mobile app.

Functional Requirements:-

→ Registration:-

Every person can view the store but only the members can checkout it become control by administrator.

→ User Profile:-

The page is area that given user maintains his/her own information. The user can only change his/her password required.

→ Item selection:-

Customer must be able to view his/her order history. Each customer must be able to view placed order status.

→ Browsing Through item:-

The Customer will be given a web interface which allows easy browsing through the different rooms. Basically the items in the shop are well Organized and well-presented so that a user can find his enquired item easily.

→ Login:-

Only customer can login to the system with user id and password.

→ Payment:-

The customers choose the payment option when he was placed a order. This was handled by bank and the payment should credit or debit card.

→ Online help:-

System should online help system.

→ Administrative:-

Administrative must be able to add/modify customer. System must be able to accept orders from the customer via email or / Online form.

Results:-

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