Voting System

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Abstract

This project details the work done towards the project "Voting System". Voting system is a system that facilitates the running elections and surveys. This system has been developed to simplify the process of organizing elections and make convenient for voters to from their cities. In this system, every voter has their records stored in DB. The security is provided by using registration number and images of particular voter. In this system, voting process and counting of votes done very fast, because of this, time require in previous system for counting is reduced.

In previous voting system, uneducated people are not eligible to vote their parties but now it is easy to uneducated people for vote. So to avoid the problem in previous version, we introduce new system in which voting is done on computer system or online.

Keywords: Voting System, EVM,

Introduction:

Electronic voting is a term encompassing several different types of voting, embracing both electronics means of casting and electronic means of counting votes. Electronic voting technology can include punch cards, optical scan voting system. It can also involve transmission of ballots and votes via telephones, private computer networks, or the internet. But there are some drawbacks associated with e-voting. This voting system is designed to overcome drawbacks of electronic voting system. This system is used to achieve accuracy and faster evaluation of result.

A computerized voting system has a central computer, regional computers and voting connected to a data transfer link for communication with one another. The voting module accesses the central computer database under control of the central computer control center. In this type of system firstly identification of voter is done. The voter can be identified with his/her voting ID card. The identified voter is provided with user name and password. Then voter is allow to enter in voting room. After successfully login is done, voter can see list of voting candidates with sign of their parties. Voter then selects the candidates for whom they wants to vote by selecting the key in front of it.
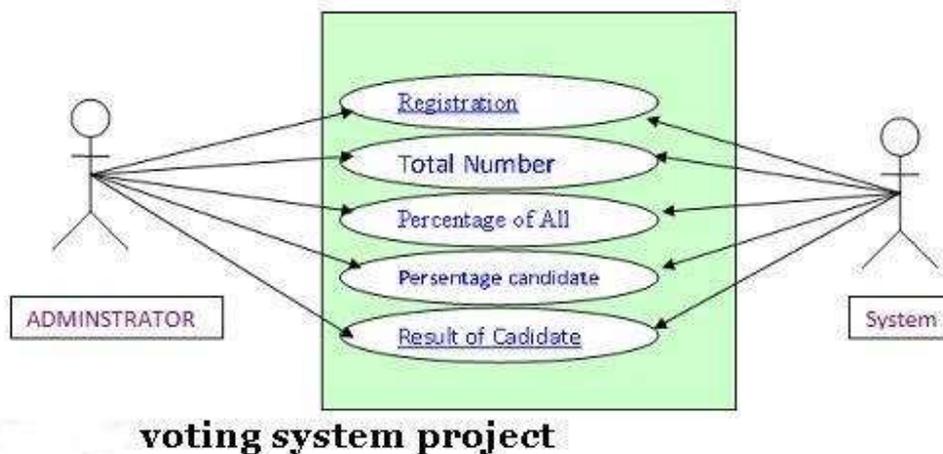
Literature Review:

This project has different objectives like

1. Design of user friendly system.
2. Declaring the result in one day.
3. Avoids fake voting.

In the last twelve years since the technological boom, advanced technology has allowed individuals to cast votes over the internet for elections. Previous voting system is based on ballot paper, where the candidate name is written on ballot paper and that paper was inserted in a box. To better understand why researchers continue to explore the security landscape of the internet in regards to voting online. An online voting system consists of computers that are connected to a network with an internet connection. The voter attempting to vote online would cast their ballot on a web server.

Methodology:

voting system project

Software requirement:

    Web Application: JDBC

    User Interface: HTML

    Database: MS Access

Hardware Requirement:

    RAM: 512 MB

    Processor: Pentium Dual

    Hard Disk: 80GB

The above DFD shows the process of Online voting System.

Project Development:

A voting requirement analysis is the software engineering task that bridges the gap between the software allocation and the software design. It is a process of discovery, refinement, modeling and specification.

System aims at removing the drawbacks of old voting system and introduces a user a new and simple software based voting system. In the flexibility of uses the interface has been developed a graphics concepts in mind associated through a browser interface. The GUI's at the top level has been categorized as follows:

1. Administrator interface design
2. User interface
3. Security authentication
4. Reports
5. General End Users

There are different modules will be used for developing the project:

1. Authentication and security modules
2. User module
3. Database management module
4. Admin module
5. Report module.

Conclusion:

The main aspect behind voting system is that it enabled us to bring out the new ideas that were sustained within us for many days. The project offers the voters to cast easily through internet. Vote counting is also made ease by the VS since its just a matter of querying the database. VS is used by number of countries today. A good VS system requires some characteristic like accuracy, verifiability, democracy, flexibility, mobility, etc. In analyzing, designing, implementing and maintaining standards, we considered these characteristics as the foundation. So this project helps to increase voting percentage. Illegal voting can be greatly reduced.

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