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Digital Voting System

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Abstract:- *Choosing Leaders is one activity that is carried out in every democratic country. In today's world, most leaders are chosen by election.Voting is a method for a group such as a meeting or an electorate to make a decision or express an opinion. Digital Voting System is an online voting technique. People who have citizenship of India and whose age is above 18 years can give their vote online without going to any physical polling station. There is a database which is maintained by the Independent Electoral and Boundaries Commission of India (IEBC) in which all the names of voters with complete information is stored. The objective of the project is to Design a voter registration system which will help to improve the voters system. Implement an online voter's registration system. Avoid unnecessary delay in voter registration. Update the voter's registration roll without bribery and conspiracy.*

Keywords: Voting, Java, Election, Html, CSS.

1. Introduction

The objective of the project is to design and develop an Online Process Of Voting which is a place for Voters and Candidate, the Database should also collect the voting details. Digital Voting System is an online voting technique, People who have citizenship of India and whose age is above 18 years can give their vote online without going to any physical polling station.

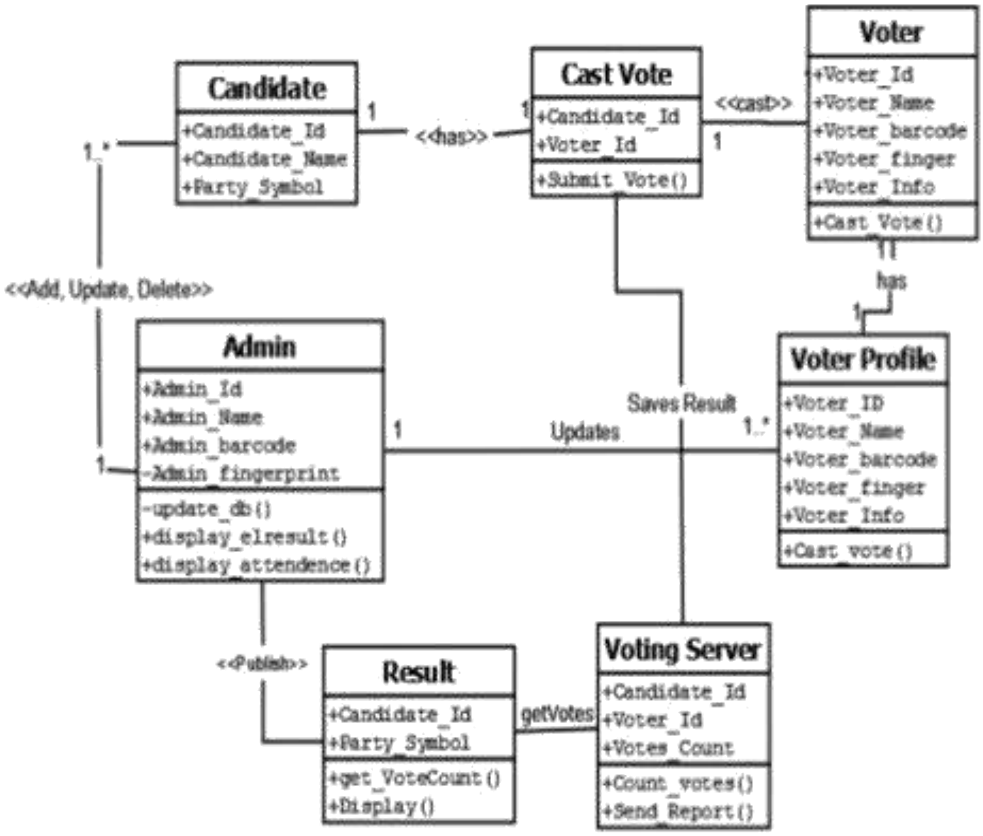
There is a separate database which is maintained by the Independent Electoral and Boundaries Commission of India (IEBC) in which all the names of voters with complete information is stored. In Digital Voting System a voter can use their voting right online without any difficulty.

They have to registered first to eligible for voting. Registration is mainly done by the system administrator for security reasons. The system Administrator registers the voters on a special site of the system visited by them only by simply filling a registration form to register voter. Citizens seeking registration are expected to contact the system administrator to submit their details. After the validity of them being citizens of India has been confirmed by the system administrator by comparing their details submitted with those in existing databases such as those as the Registrar of Persons, the citizen is then registered by the IEBC as a voter. After registration, the voter is assigned a secret Username and Password with which they may use to log into the system and enjoy services provided by the system such as voting, checking results among others. If invalid details are submitted, then the citizen is not registered to vote.

In general, two main types of Voting can be identified:

- d-voting which is physically supervised by representatives of governmental or independent electoral authorities (e.g. computers present in polling booth stations)
- remote d-voting via the internet (also called i-voting) where the voter votes at home or without going to a polling station.

2. Methodology



3. Requirements

The system has 2 Requirements

3.1 Hardware:

Hardware	: Pentium based systems
RAM	: 256MB (minimum)

3.2 Software:

Operating System Technology	: Windows, Java/J2EE (JDBC, Servlet,Jsp)
Web Technologies	: Html, JavaScript, CSS
IDE	: Netbeans IDE
Web Server	: Tomcat
Database	: Oracle
Software's	: J2SDK1.5, Tomcat 5.5

3. System View

The System View shows the website of Digital Voting where user will able to register and performs various operation. In this website they are able to see the candidates, login to vote, see the results of election. They may login here and will able to vote from any remote location.

4. Conclusion:

Polls are the biggest festivals of a democratic country. It is the need of the individual to increase more and more people's participation in our polls. Digital Voting is the technology through which we can achieve it. Through this technology we may see a large growth in voting, many people didn't vote because they are far from their polling station. This technology will help them to cast their vote from their present location, they should be no longer go to their polling station for casting their vote.

With Digital Voting we can decrease man power, military movement for security purpose, transport expenses, and most importantly we can save time.

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