Online Voting and Information Management

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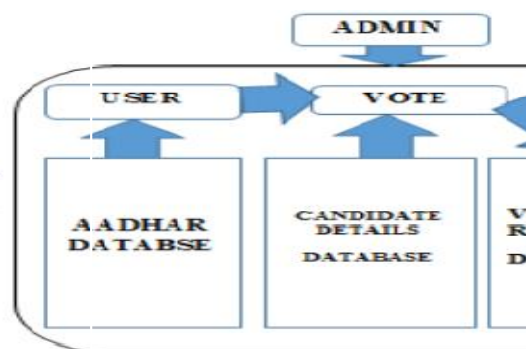
Abstract: *The main motivation for this project is to be very focused on processing votes and their candidates, voters, etc. The project also displays all available voting data, including vote counts, voters, and non-voters. The project is divided into his two parts:Admin Panel and Voter Panel. The main purpose of voting (in scenarios involving citizens of a particular country) is to find leaders of their choice. Problems associated with this include, but are not limited to, voter driving during elections, unsafe or inaccessible polling places, inadequate voting materials, and inexperienced staff. They will be trained on how to vote online before Election Day. This project is designed for a threat-free, user-centric online voting system. Elections can take place in her two ways: paper elections and automated elections .Automated voting is known as electronic voting. An online voting system can be called Internet voting because it takes place over the Internet. Electronic you to manually mark and count electronic cards containing all candidate symbols electronic. There are many different types of electronic voting systems today, including punch cards, marksens, and digital pen tally brings a new voting system that allows voting systems. Electronic voting makes it easier for voters to vote by providing choices on a voting display located on an electronic machine. A direct-record electronic voting machine provides a display that can be activated when a voter touches the display, consisting of mechanical and electro-optical buttons, software that accepts votes, and an image or icon on the display. E-voting is connected to a central voting system, accepting all votes directly and receiving updated records. A central voting system uses a constituency counting method that counts all votes from ballots at polling stations..*

Keywords: Online Voting

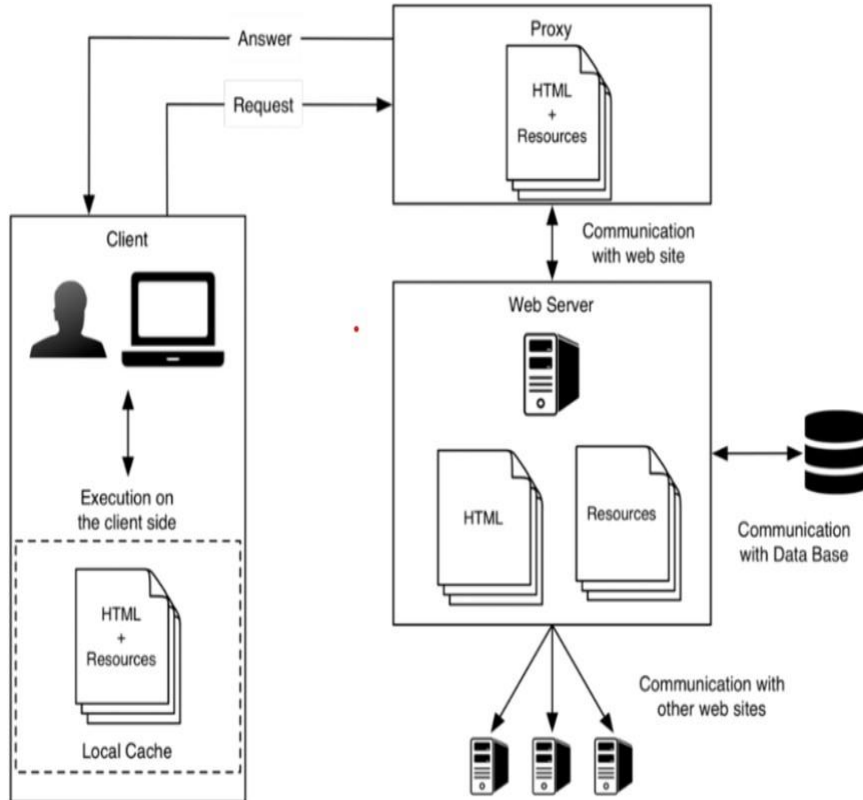## I. INTRODUCTION

1.1 Overview

The system allows citizens of all genders over the age of 18 to vote online without going to a physical polling station. Online voting systems allow voters to easily exercise their voting rights online. To be able to vote, you must first register. For security reasons, registration is primarily done by system administrators. System administrators register their votes by simply completing a registration form for registering voters on a special page of the system they visit. Citizens wishing to register must contact the system administrator and submit their details. After registration, voters will be assigned a confidential username and password.

II. METHODOLOGY

Monitoring of e-voting technology should focus primarily on assessing whether e-voting technology complies with international standards for democratic elections, such as confidentiality of ballots and the right of voters to participate in government. it won`t work. Recognizing that election day observations alone cannot fully assess the implementation of these rights, the Carter and His Center methodology takes a broader approach to electronic voting observations.
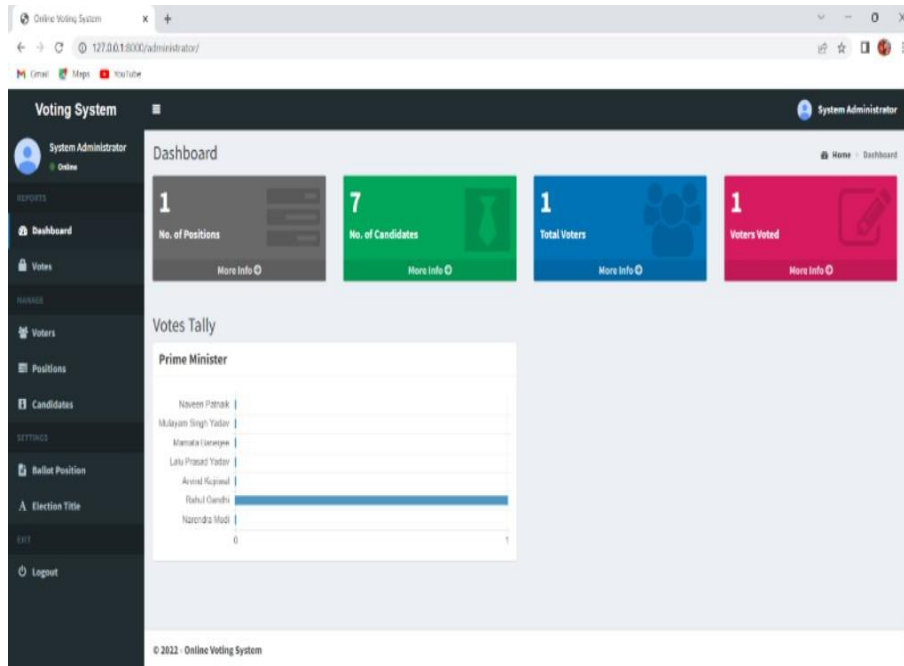

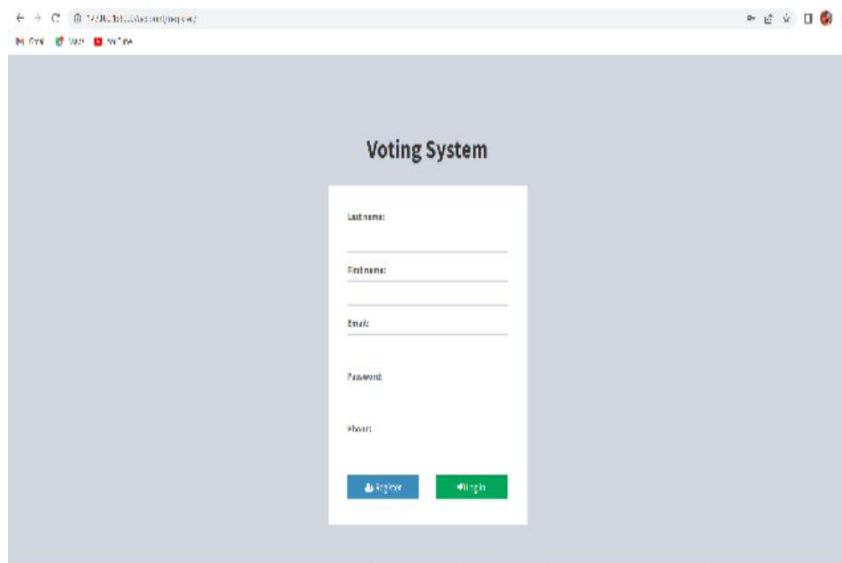### 2.1 Description of the Current Voter Registration System :

The registration period begins and ends on specific dates. During this period, potential voters are expected to report to these officials for pen-and-paper registration. Each potential voter fills out a form with information such as location, date of birth, etc. Such persons must prove that they are residents of that particular area.An IEBC officer collects completed data entry forms from officers during the registration period and takes them to her IEBC central office where data entry personnel are employed and the central database from which the electoral rolls are compiled.

A. Problems with the Existing Voter Registration System

Expensive and time consuming: The process of collecting data and entering this data into a database is very time consuming and expensive to perform. For example, time and money are spent printing data collection forms, preparing registration stations and human resources, and then advertising is allocated to the registration process, including raising voter awareness of the need for registration. The number of days spent and the time spent entering this data into the database. Humans are rarely 100 efficient at data entry. Short-Term Electoral Roll Checks: This is a very big problem. Because not everyone has free time to check and update the electoral rolls in the short time given.

III. RESULTS

3.1 Voter Registration

This is the registration page where voters can register. User must enter Details required by the administrator from the registration page.

From here, admins can log into their accounts and manage the entire voting process, including adding new elections, generating user IDs, validating users, and generating results. He has the right to generate a user`s girlfriend ID by verifying the user.

IV. CONCLUSION

All voter information is handled by this online voting system and you can even log in and take a practice test on the voting process. It also adds utilities for tracking the number of votes for each part and the number of individual candidates for each party. The administrator maintains a database containing all details of voters and basic information required. After registering their information in the repository, voters must log in using their unique email her address and password and vote for any candidate of any political party when someone wants to vote. . Voting results are analyzed and stored in a database. It`s easy and doesn't take long. So once users get used to the performance of the system, it can be improved.

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