

DHAKA UNIVERSITY OF ENGINEERING & TECHNOLOGY, GAZIPUR



Department of Computer Science and Engineering

Course Code: CSE 3114

Course Title: Web Programming Sessional

Project Name: Online Voting System

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Signature

Introduction:

“ONLINE VOTING SYSTEM” is an online voting technique. It is based on the other online services like “ONLINE RESERVATION SYSTEM” .In this system people who have citizenship of Bangladesh and whose age is above 18 years of any sex can give his\her vote online without going to any polling booth. There is a DATABASE which is maintained by the ELECTION COMMISSION OF BANGLADESH in which all the names of voters with complete information are stored.

Scope:

- ☐ This system will increase the voting percentage in Bangladesh.
- ☐ If high security is applied then it may reduce false votes.

Purpose:

In “ONLINE VOTING SYSTEM” a voter can use his\her voting right online without any difficulty. He\She has to fill a registration form to register himself\herself. All the entries are checked by the DATABASE which already has all the information about the voter. If all the entries are correct then authority is activated to the voter. If conditions are wrong then that entry will be discarded.

Technologies used:

This project will be a Web application to be developed in PHP having

- Database Design (My SQL)
- Front-end Development (HTML, CSS, Bootstrap, JavaScript, jQuery)
- Back-end Development (PHP)
- Testing (XAMPP SERVER)

Overview:

- ✓ Project is related to the Online Voting System.
- ✓ The project maintains two levels of users:-
 - Administrator Level
 - Voter Level
- ✓ Main facilities available in this project are:-

- Maintaining voter's Identification.
- Providing online voting management.
- Providing Updation of voter's information.
- Provide voter information to ELECTION COMMISSION OF BANGLADESH.
- ELECTION COMMISSION OF BANGLADESH maintains the complete information of voters.
- Voter can give his/her vote from any part of Bangladesh exactly once.

Limitations of Traditional Voting System:

- **Not User Friendly:** The existing system is not user friendly because the retrieval of data is very slow and data is not maintained efficiently.
- **Difficulty in report generating:** We require more calculations to generate the final result so it is generated at the end of the session.
- **Time consuming:** Every work is done manually so we cannot generate reports in the middle of the session or as per the requirement because it is very time consuming.

Features and Functionality :

User Registration and Authentication

Users can create accounts securely.

Authentication ensures that only eligible voters can participate.

Election Creation

- Administrators can set up elections with candidate details and positions.
- Specify election dates and voting rules.

Voter Verification

- Ensure the integrity of the voting process with vote verification mechanisms.
- Allow voters to review and confirm their choices.

Backup and Recovery

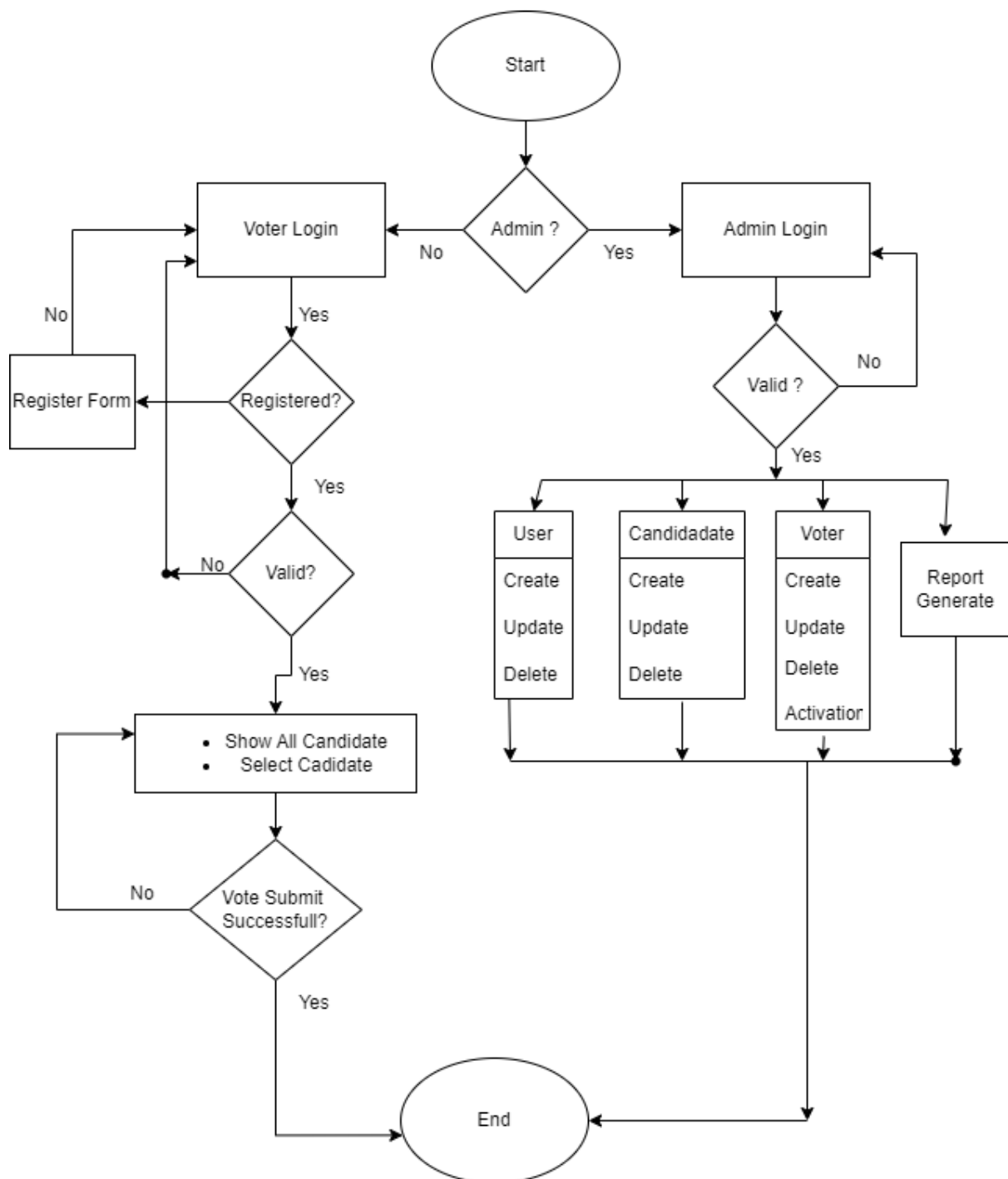
- Regularly backup voting data to prevent data loss.
- Implement recovery procedures in case of system failures.

Scalability

- Design the system to handle a growing number of users and elections.
- Ensure performance under increased load.

Flowchart of Online Voting System:

Online Voting System



Registration , Login & Voter View

Registration

Please Enter the Detail Needed Below

ID Number

ID number

Password

Firstname

Firstname

Lastname

Lastname

Email

Please enter valid mail

Phone

Please enter exactly 11 digits

Date of Birth 

Click to show the datepicker (dd/mm/yyyy)

Gender

☐ Male
☐ Female

Address

Save Data

Voter login

Admin

Online Voting System



Log In

ID No.

Please Enter Voter's ID Number

Password

Password

Login

Admin Login

Registration

Note:


- ১৮ বছর এর নিচে কেউ ভোট দিতে পারবেন না।
- একজন ভোটার ১ বারই ভোট দিতে পারবেন ২য় বার ভোট দিতে পারবেন না।
- আপনার পছন্দের প্রার্থীকে ভোট দিয়েছেন কিনা ভালোভাবে দেখে নিন।
- সং ও যোগ্য প্রার্থীকে ভোট দিন।
- নির্বাচনের আচরণ বিধি মেনে চলুন।
- সুস্থ, সুন্দর বাংলাদেশ গড়তে আপনার মূল্যবান ভোট প্রয়োগ করুন।

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Online Voting System

Welcome: Jahed hasan



PRESIDENT




Joe Biden
Select for vote




Donald Trump
Select for vote





VICE PRESIDENT




Kamala Harris
Select for vote



Mike Pence
Select for vote



GENERAL SECRETARY



Janet Reno
Select for vote



Robert Bork
Select for vote



ASSISTANT GENERAL SECRETARY




John Ashcroft
Select for vote




John Ashcroft
Select for vote





SECRETARY, SCIENCE AND TECHNOLOGY



Nancy Pelosi
Select for vote



Nancy Pelosi
Select for vote



SECRETARY, INTERNATIONAL AFFAIRS




Nancy Pelosi
Select for vote




Nancy Pelosi
Select for vote





SECRETARY, LITERATURE



Nancy Pelosi
Select for vote



Nancy Pelosi
Select for vote



SECRETARY, CULTURE




Nancy Pelosi
Select for vote




Nancy Pelosi
Select for vote





MEMBER



Nancy Pelosi
Select for vote



Nancy Pelosi
Select for vote




Submit Ballot

Online Voting System


Welcome: Jahed hasan

PRESIDENT



Joe Biden

VICE PRESIDENT



Kamala Harris

GENERAL SECRETARY



Janet Reno

ASSISTANT GENERAL SECRETARY



John Ashcroft

SECRETARY, SCIENCE AND TECHNOLOGY



Nancy Pelosi

SECRETARY, INTERNATIONAL AFFAIRS



Nancy Pelosi

SECRETARY, LITERATURE



Nancy Pelosi

SECRETARY, CULTURE



Nancy Pelosi

MEMBER



Nancy Pelosi

Submit Final Vote

Admin View

Online Voting SystemWelcome: Jahed Hasan

Menu

Candidate List

Voters List

Result Report

User

Candidates List

Add Candidate

Candidates List

10 records per page

Search:

| Position | Firstname | Lastname | Gender | Image | Symbol | Action |
|-----------------------------|-----------|----------|--------|-------|--------|-----------------------------------|
| Assistant General Secretary | Tulsi | Gabbard | Female | | | <div>Delete</div> <div>Edit</div> |
| Assistant General Secretary | Mike | Pom | Male | | | <div>Delete</div> <div>Edit</div> |
| General Secretary | Antony | Blinken | Male | | | <div>Delete</div> <div>Edit</div> |
| General Secretary | Sandy | Su | Female | | | <div>Delete</div> <div>Edit</div> |
| Member | Jon | Kate | Male | | | <div>Delete</div> <div>Edit</div> |
| Member | Eva | Kaili | Female | | | <div>Delete</div> <div>Edit</div> |
| President | Donald | Trump | Male | | | <div>Delete</div> <div>Edit</div> |
| President | Joe | Balden | Male | | | <div>Delete</div> <div>Edit</div> |
| Secretary, Culture | Harek | Son | Male | | | <div>Delete</div> <div>Edit</div> |
| Secretary, Culture | Hina | Rabbani | Female | | | <div>Delete</div> <div>Edit</div> |

Showing 1 to 10 of 18 entries

Previous

1

2

Next

Online Voting SystemWelcome: Jahed Hasan

Menu

Candidate List

Voters List

Result Report

User

Voters List

ALL Voters (11)

Activate All Voters Account

Add Voters

Voters List

10 records per page

Search:

| Status | ID Number | Password | Name | Email | Phone | DOB | Gender | Address | Account |
|---------|-----------|----------|---------------------|------------------------|-------------|------------|--------|-----------------------|---------|
| Unvoted | 204003 | 204003 | Jahed hasan | jahedi@gmail.com | 01829284764 | 18/04/1995 | Male | Gazipur | Active |
| Unvoted | 209763 | 204026 | Nashimul Islam | nayem59islam@gmail.com | 01568104563 | 18/09/2023 | Male | DUJET | Active |
| Unvoted | 123123123 | jahed123 | J Hasan | j@gmail.com | 01920471930 | 29/12/1995 | Male | Gazipur Sadar | Active |
| Unvoted | 204001 | 204001 | Sanir Ahmed | ksanir508@gmail.com | 01568105246 | 31/12/2000 | Male | Joydevpur | Active |
| Unvoted | 112233 | 112233 | jahed TEST | jahed.duet@gmail.com | 01829284769 | 16/06/1998 | Male | JAHEd TESTING | Active |
| Voted | 44038 | 1234 | Dr Amran Hossain | shawon.cse@gmail.com | 01780615755 | 19/09/2023 | Male | Gazi | Active |
| Voted | 204026 | 204026 | nayem islam | nayem59islam@gmail.com | 01568104563 | 20/09/2023 | Male | Gazipur | Active |
| Voted | 204074 | 204074 | Rakib Hasan | rakib@gmail.com | 01544442454 | 10/06/1998 | Male | Gazipur | Active |
| Voted | 12345 | jahed | jahed hasan bhuiyan | jahedi@mail.com | 01829284769 | 16/06/1998 | Male | feni, ctg, bangladesh | Active |
| Voted | 1234 | 1234 | sanir ahmed | sanir@gmail.com | 01829284769 | 09/09/1999 | Male | Nilpamary | Active |

Showing 1 to 10 of 11 entries

Previous

1

2

Next

Online Voting SystemWelcome: Jahed Hasan

Menu

Candidate List

Voters List

Result Report

User

Result Report - Election 2K23

Print

| Candidate for President | Image | Symbol | Total |
|-------------------------|-------|--------|-------|
| Joe Balden | | | 3 |
| Donald Trump | | | 1 |

| Candidate for Vice President | Image | Symbol | Total |
|------------------------------|-------|--------|-------|
| Nancy Mace | | | 4 |
| Kamala Harris | | | 1 |

| Candidate for General Secretary | Image | Symbol | Total |
|---------------------------------|-------|--------|-------|
| Sandy Su | | | 2 |
| Antony Blinken | | | 3 |

| Candidate for Assistant General Secretary | Image | Symbol | Total |
|---|-------|--------|-------|
| Mike Pom | | | 2 |
| Tulsi Gabbard | | | 2 |

Conclusion:

In conclusion, our online voting system project represents a significant leap forward in modernising the electoral process. By harnessing the power of technology, we have successfully addressed several challenges associated with traditional voting methods. Through this project, We have demonstrated that online voting can enhance accessibility, convenience, and transparency in elections. It empowers citizens to exercise their democratic rights with ease, regardless of geographical constraints. Moreover, the system's efficiency and reduced costs contribute to more efficient and cost-effective elections. While we celebrate the advantages of this innovative system, we remain committed to addressing and mitigating security concerns. The project underscores the importance of robust cybersecurity measures to protect the integrity of the voting process. In moving forward, we believe that the online voting system has the potential to revolutionise democratic practices, making them more inclusive and adaptable to the digital age. It is a step towards a more accessible and participatory democracy that can better serve the needs of our citizens. Thank you for joining us on this journey of modernization and progress. Together, we can continue to refine and improve the online voting system, ensuring it remains a cornerstone of democratic advancement.