

Project on PHP

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Experiment: Project

Abstract:

The **Online Voting System** is a web-based application developed using PHP and MySQL database technology to facilitate an efficient and user-friendly platform for conducting elections. It provides separate login portals for voters, candidates, and administrators. The system allows voters to register, access their dashboard to view elections, and cast their votes securely. Candidates can also register, manage their profiles, and participate in elections. The admin panel offers functionalities for managing elections, users, and overseeing the overall voting process.

Working:

1. User Authentication:

- The system comprises distinct login pages for voters, candidates, and administrators.
- Upon accessing the system, users enter their credentials to log in, which are verified against the data stored in the MySQL database.

2. Registration Process:

- Both voters and candidates can register through dedicated registration pages by providing necessary details such as name, email, and password.
- Once registered, users can log in using their credentials.

3. Dashboard Functionality:

- Upon successful login, users are directed to their respective dashboards.

- Voters can view available elections, access the voting page, and cast their votes securely.
- Candidates can manage their profiles, including editing personal information and participating in elections.

4. Admin Panel Features:

- The admin panel offers comprehensive functionalities for system management.
- Administrators can create, edit, or delete elections through the election section.
- They have access to user management, allowing them to view and manage user details.
- An overview page presents data visualizations such as bar charts displaying the number of candidates, voters, and votes cast for each election.

5. Database Integration:

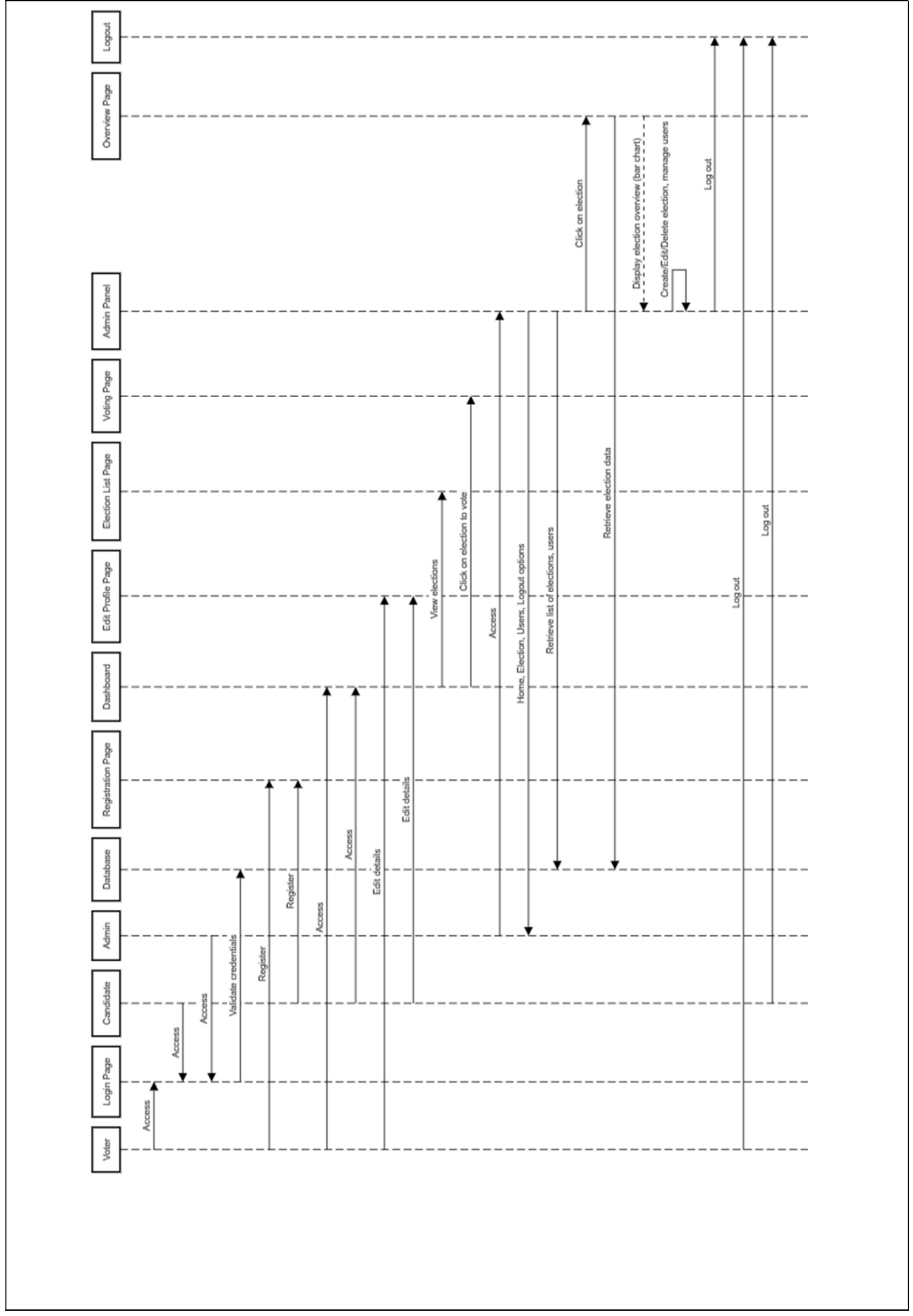
- MySQL database stores user credentials, election details, candidate information, and voting records securely.
- It manages the data flow within the system, ensuring the integrity and security of the information.

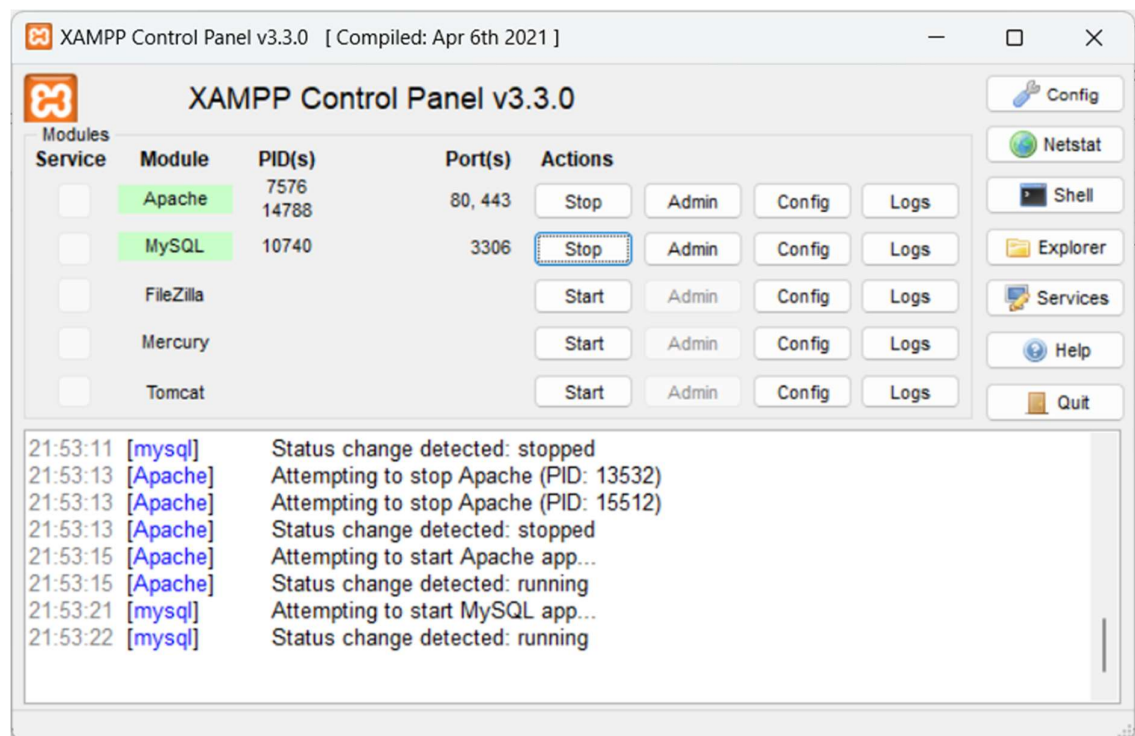
6. Logout Functionality:

- All users, including voters, candidates, and administrators, have the option to log out from their respective accounts, ensuring secure access control.

7. Secure Voting Process:

- The system maintains the confidentiality and integrity of the voting process, ensuring that each vote is cast securely and counted accurately.





Login page for voters/candidates

If You are the Admin , Click Here

Online Voting System

Login

☒ show password

Need an account? Register here

Registration page for voters/candidates

Online Voting System

Register

Username

Mobile number

Password

Confirm Password

☐ Show password

Choose File

No file chosen


Select Role

Register

Already have an account? Login

Dashboard page

Online Voting System



Username: Phranav

Mobile Number: 6369520487

[Edit Profile](#)

[Logout](#)

CLASS REPRESENTATIVE

Status: Ongoing

Choose Your CLASS REPRESENTATIVE

Voting-page

[Back to Dashboard](#)

Choose Your CLASS REPRESENTATIVE



Name Gladwin A J

Vote



Name Vikram V

Vote



Name Vignesh

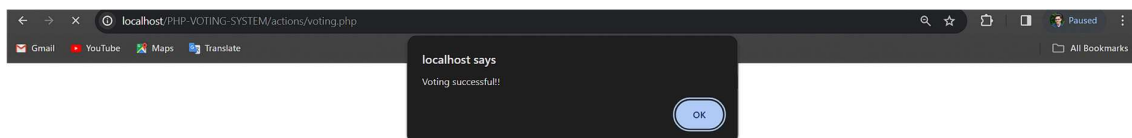
Vote



Name Muthu Jawahar K

Vote

Voted message



Already voted message, if again try to vote

[Back to Dashboard](#)

Choose Your CLASS REPRESENTATIVE

You already Voted !

THANKS FOR
VOTING

Edit profile page for voters/candidates

Edit Profile

Username

Phranav

Mobile Number

6369520487

Old Password

Enter your old password

New Password


Enter your new password

Save Changes

[Back to Dashboard](#)

Result button after election completed

Online Voting System



Username: Phranav

Mobile Number: 6369520487

Edit Profile

Logout

CLASS REPRESENTATIVE

Status: Ended

Choose Your CLASS REPRESENTATIVE


View Result

Result page

Back to Dashboard

Result




Winner:



Candidate name: Gladwin A J

Votes: 2

Other Candidates:

Photo	Candidate name	Votes
	Vignesh	1
	Muthu Jawahar K	1
	Vikram V	0

Admin login

Online Voting System

Login

Login

[Back to Login Click Here](#)

Admin panel

**Online Voting System
Admin Panel**

Home

Election Section

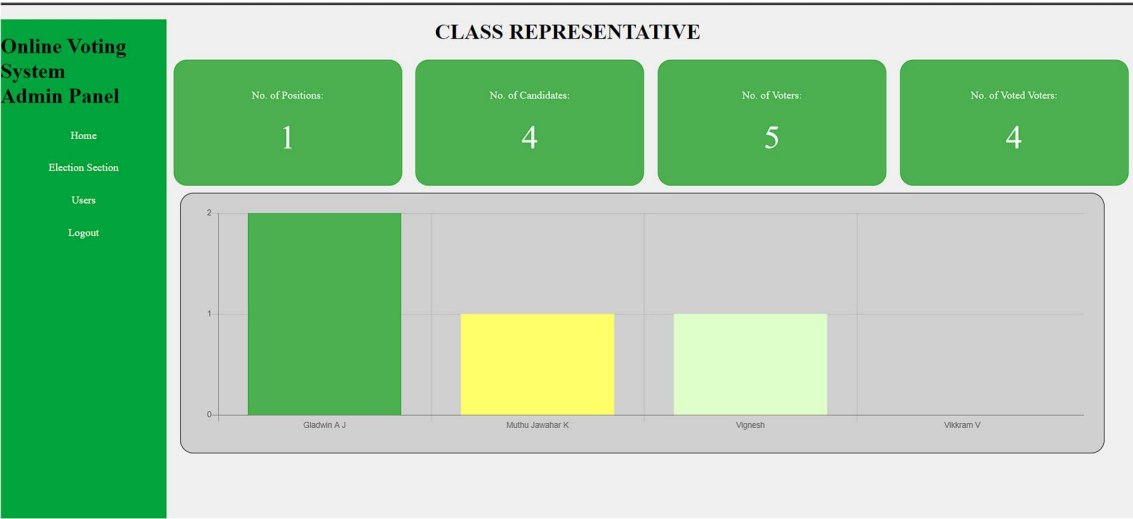
Users

Logout

CLASS REPRESENTATIVE

Click here

Overview Page



Election Section

Back to admin-panel

Create Election

Title:
president

Description:
none

Start Date:
14-11-2023

End Date:
14-11-2023

Position Name:
president

Create Election

List of Elections

CLASS REPRESENTATIVE

Delete Edit

After new election inserted

Back to admin-panel

Create Election

Title:

Description:

Start Date:

dd-mm-yyyy

End Date:

dd-mm-yyyy

Position Name:

Create Election

List of Elections

CLASS REPRESENTATIVE

Delete

Edit

president

Delete

Edit

List of all users

Back to Dashboard

List of Users

User ID	Username	Mobile	Role
12289	Gladwin A J	6282357680	candidate
23188	Phranav	6369520487	voter
28579	Vikkrum V	8248603869	candidate
29062	Muthu Jawahar K	9345857774	candidate
60917	Vignesh	9150239482	candidate

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> candidates	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> elections	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> positions	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> users	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> votes	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	64.0 KiB	-
5 tables	Sum	17	InnoDB	utf8mb4_general_ci	192.0 KiB	0 B

Users table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	UserID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	Username	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 3	Mobile	varchar(10)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 4	Password	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 5	Photo	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 6	Role	varchar(25)	utf8mb4_general_ci		Yes	NULL			Change Drop More




















Candidate table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	CandidateID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	UserID	int(11)			No	None			Change Drop More
<input type="checkbox"/> 3	cname	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/> 4	Photo	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 5	ElectionID	int(11)			No	None			Change Drop More
<input type="checkbox"/> 6	status	int(11)			Yes	NULL			Change Drop More

Election table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	ElectionID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/> 2	Title	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 3	Description	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change Drop More
<input type="checkbox"/> 4	Start_Date	date			No	None			Change Drop More
<input type="checkbox"/> 5	End_Date	date			No	None			Change Drop More
<input type="checkbox"/> 6	status	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

Votes table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 VoteID 	int(11)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/>	2 UserID 	int(11)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	3 ElectionID 	int(11)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	4 CandidateID 	int(11)			Yes	NULL			 Change  Drop  More
<input type="checkbox"/>	5 Timestamp	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()	 Change  Drop  More

Conclusion:

The Online Voting System modernizes elections, offering easy, secure, and transparent voting experiences. It demonstrates how technology enhances democracy, ensuring fairness and inclusivity. With its user-friendly approach, it empowers voters, candidates, and administrators, redefining the way we participate in democratic processes.