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PROJECT PRESENTATION ON ONLINE VOTING SYSTEM

**AS A PARTIAL REQUIREMENT FOR THE DEGREE
OF
BACHELOR OF COMPUTER APPLICATION
(B.C.A.)**

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Index

1. Project description
2. Hardware and Software Requirements
3. Objective
4. Scope & Expected Advantages
5. Database Design
6. Input Design
7. Output Design
8. Data Flow Diagram
9. Limitations and Future Scope of Enhancements

→ Project Description

- This project focuses on a system that uses login credentials to unlock the voting system just like in your phone, and it also uses high security email verification method so that no one can vote for someone else, and this system does not require physical presence to cast a vote as the traditional system does. The process is time-consuming as well. The entirely web-based system enables people to cast their votes from anywhere in the world.

System Minimum Requirement

→ Hardware system Configuration

- Processor : Dual core/ Pentium / i3 Intel Processor
- RAM : 2 GB
- Hard Disk : 512MB
- Keyboard : Standard Windows Keyboard
- Mouse : Two or Three Butoon Mouse
- Moniter : Any

→ Software system Configuration

- Operating System : Window XP/7/8/10
- Server side script : PHP
- Database : MySQL6.0
- Front-End : Web Browser
- Back-End : PHP Core
- Languages : HTML, CSS, JAVASCRIPT, BOOTSTRAP

→ Objective

- The main objective of this project is to develop a web application with high security for the purpose of online voting.
- Application can be defined as follows:
- 1. Admin will add candidates in panel if they qualify verification criteria.
- 2. Voter verification will be done by Admin. After verification, every voter will be given unique code for registration.
- 3. Admin will initiate election process through panel.
- 4. Voting will be done by voters. Before voting of every individual, email verification will be done.
- 5. After completion of voting, results will be generated in excel sheet in Admin panel

→ Limitations of the system

- Internet connectivity required
- Laptop/PC is required
- Gmail account is mandatory for every voter
- Only one election process could be conducted at a time
- Performance may become slow if network/server issue occurs

→ Purpose, Scope and Applicability

- **Purpose**

- The purpose of Online Voting System is to save time, energy, money, and effort which are wasted in traditional voting system.

- **Scope**

- This system can be used personally like for institutes, schools, etc. and on a larger scale such as government elections.

- **Applicability**

- This application can be used for election purpose in government sector, sports, education, etc.

Input Design

→ Admin Login

Online Voting System

Admin Login

→ Admin Dashboard

Online Voting System

Logout 

 **Dashboard** Start Voting Reset Edit title Change Logo

Voting Status

No status available.
Soon data will be available when election process is started.

Click on **Start Voting** button to start election process.
Click **Stop Voting** button to stop election process.

Generator

Generate verification code

Generate

Please do not share this code with anyone!

Candidates

Name Position Upload Image Browse **Add+**

No candidates are available right now.

User

Online Voting System

Welcome to Online Voting



Just like we do vote physically, here you can do same activity virtually.
This platform is made to make the task easy and save time. Here everything is done exactly like it is done in a traditional method but online.



Forget password? [Click here](#)

[Login](#)

Not registered? [Register here](#)

→ Register

Online Voting System



Registration

ironman	Email	Mobile
Birth Date	Password	Confirm password
Address	Verification code	

Register

[Back](#)

• Voting Dashboard

Online Voting System

[Logout](#)



GopalSaval

Mobile : 9664630625

Address : S

D.O.B. : 29/07/2002

Status : **Not Voted**

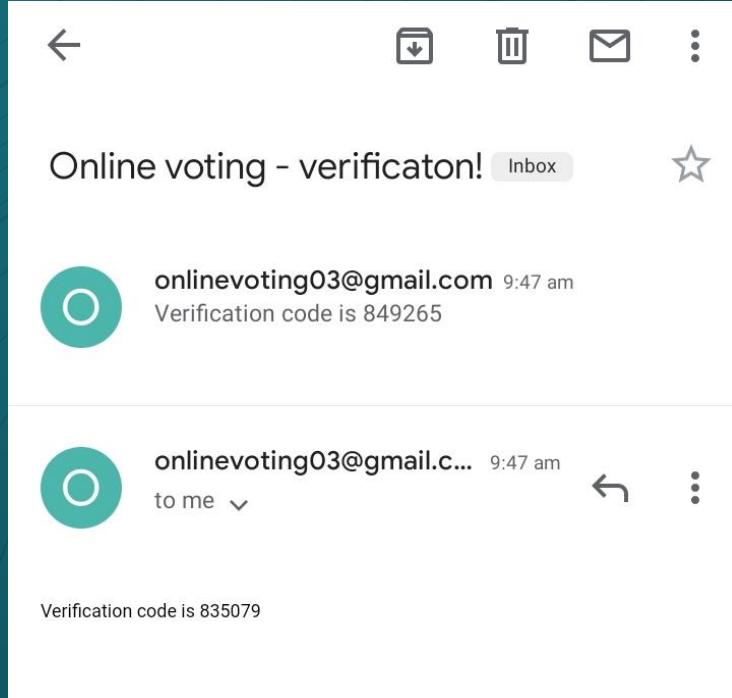
1	Manager (Pradip)		Vote
2	Manager (gopal)		Vote
3	Manager (prit)		Vote

[Get Code](#)

[Verify](#)

13

→ Get Code



→ Result

A	B	C	D
Name	Position	Votes	
Darshan	manager	0	
Pradip	manager	0	
nikhil	manager	2	
Rohit	manager	1	
Total		3	
Winner is nikhil		2	

Database tables

→ Register table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id 📄	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 name	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	3 mobile	varchar(10)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	4 email	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	5 password	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	6 dob	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	7 address	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	8 status	int(1)			No	None			Change Drop More
<input type="checkbox"/>	9 is_verified	int(255)			No	None			Change Drop More
<input type="checkbox"/>	10 created_at	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	11 modified_at	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()	Change Drop More

→ Candidate table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id 🛡	int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 name	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	3 image	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	4 position	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	5 votes	int(255)			No	None			Change Drop More
<input type="checkbox"/>	6 status	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	7 created_at	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	8 modified_at	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()	Change Drop More

→ Info table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id 	int(11)			No	None		AUTO_INCREMENT	 Change  Drop  More
<input type="checkbox"/>	2 text	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop 
<input type="checkbox"/>	3 logo	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop 

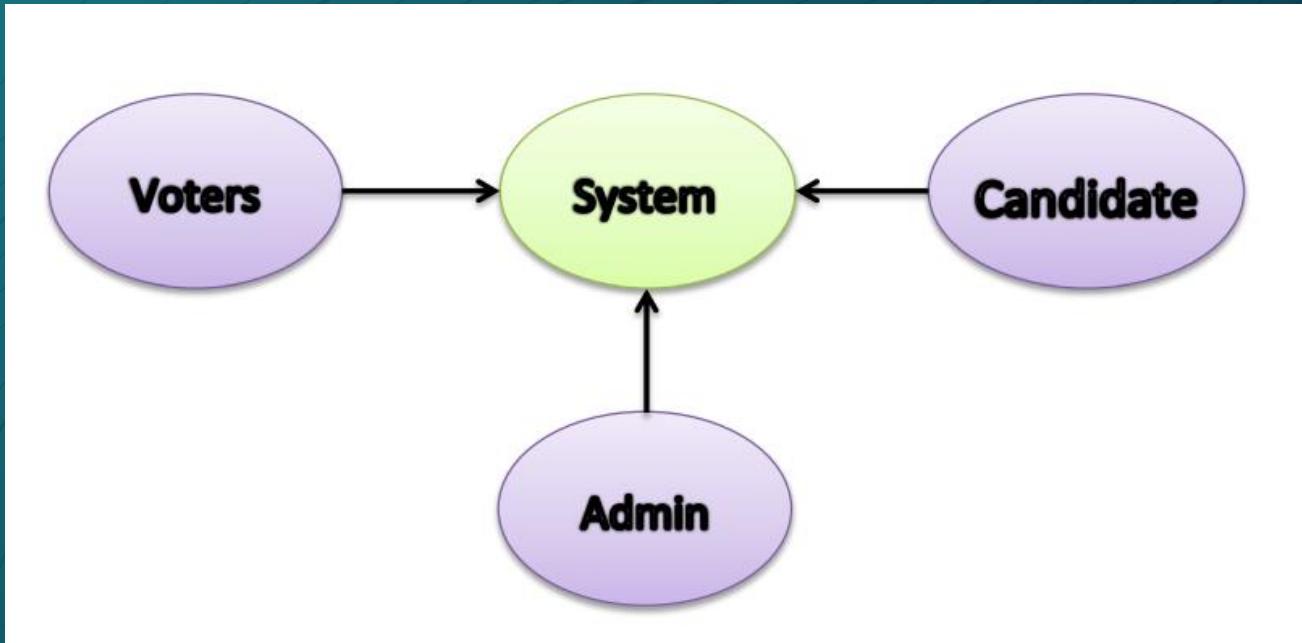
→ Verify table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 code 	varchar(255)	latin1_swedish_ci		No	None			 Change  Drop  More

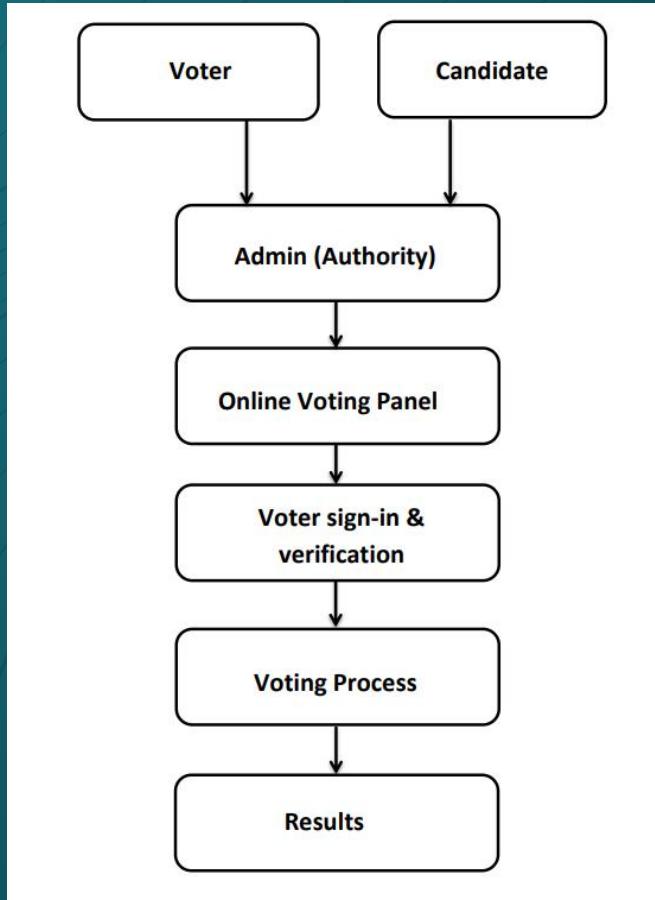
• Voting table

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	🔑 int(11)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 v_id	varchar(255)	latin1_swedish_ci		No	None			Change Drop More
<input type="checkbox"/>	3 time	timestamp			No	current_timestamp()		ON UPDATE CURRENT_TIMESTAMP()	Change Drop More

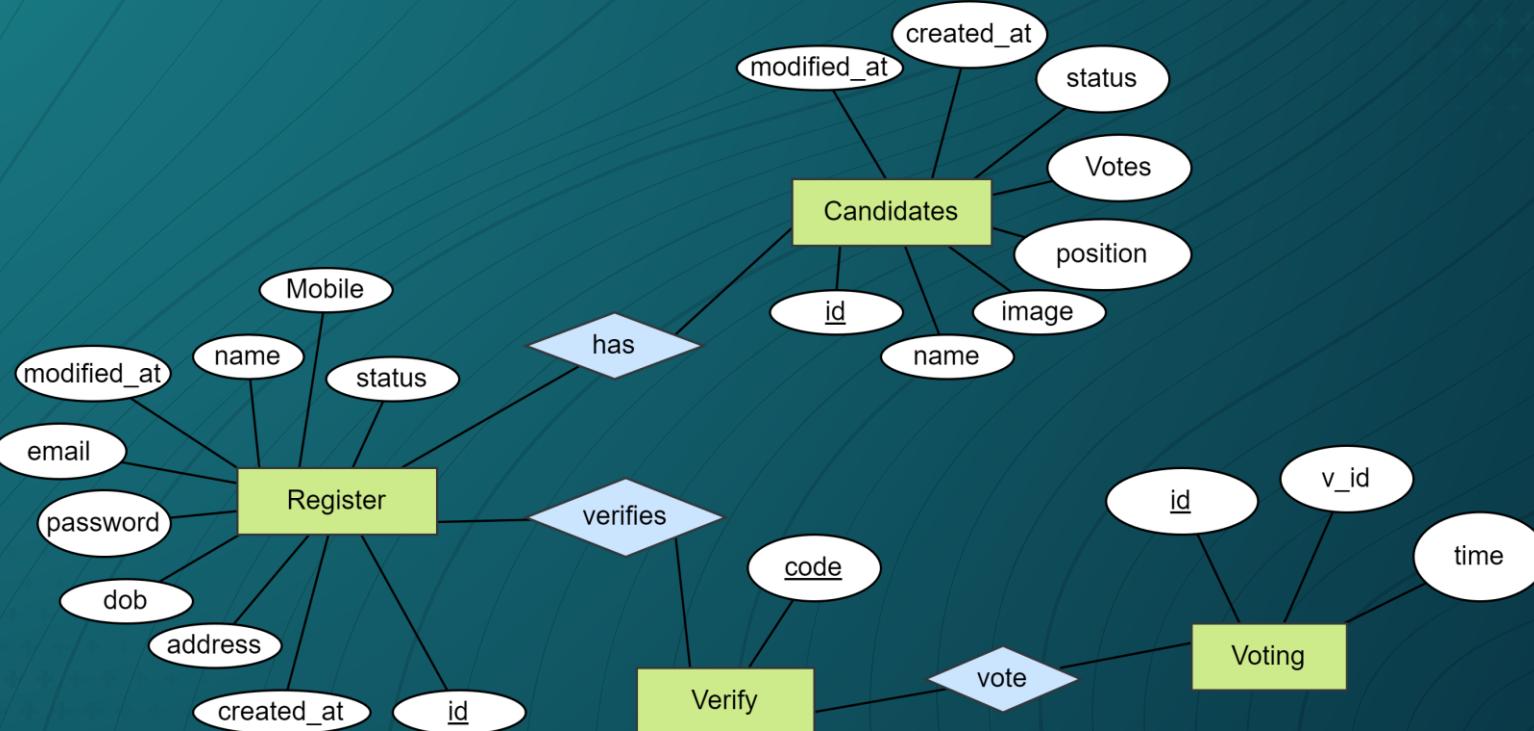
→ System Design



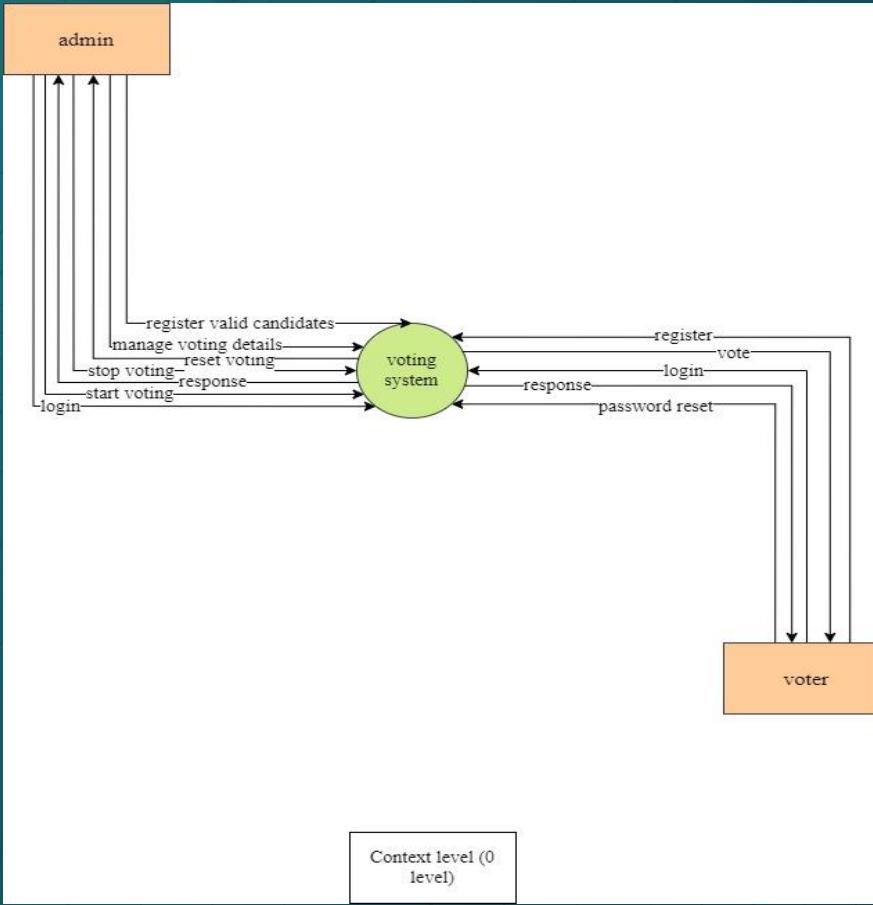
Flow Chart



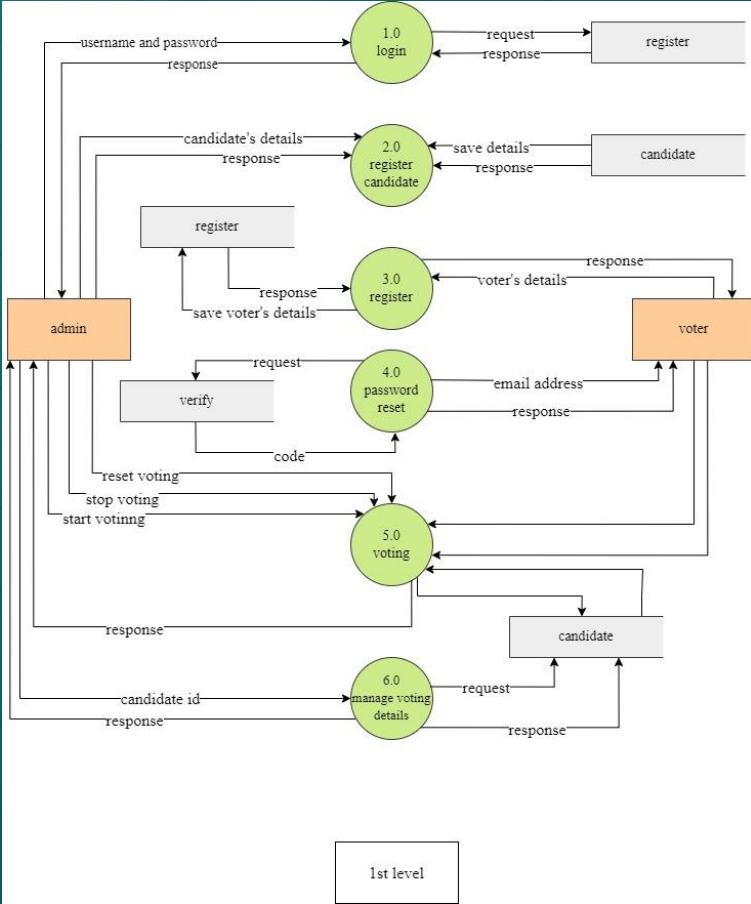
ER Diagram



DFD Diagram LEVEL 0



DFD Diagram LEVEL 1



→ Future enhancements

- Face detection
- Fingerprint sensor
- SMS availability
- Multiple elections at a time
- Election card generation in PDF
- Results declaration on mail of each participant

Conclusion

So the final conclusion we make here is that our new online voting system is much better and easy to use than traditional voting system. Almost all problems that we have discussed in problem definition section are resolved by the help of this application. So the launch of this application would create many opportunities for those who are frequently involved in conducting elections for different purposes