

Format of Front Page



**PROJECT REPORT**  
(\*Bookman old style", "24", "Bold")

**\*IN**

**\*"DEPARTMENT"**

**\*ON**

**\*"PROJECT/WORK ASSIGNED"**

**\*SUBMITTED IN PARTIAL FULFILLMENT OF THE DEGREE**

**\*OF**

**\*BE(CSE)**

(\*Times New Roman", "14", "Bold")

**Under the Guidance of:**

**Name:**

**Designation:**

**Department:**

(\*Times New Roman", "12", "Bold")

**Submitted By:**

**Name:**

**University ID No.:**

(\*Times New Roman", "12", "Bold")

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Chitkara University, Himachal Pradesh, India.

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## **DECLARATION**

We hereby declare that the project work titled, “**Online Voting Website**” submitted as part of Bachelor’s degree in CSE, at Chitkara University, Himachal Pradesh, is an authentic record of our own work carried out under the supervision of Dr. Pradeepta Sarangi.

**Signature(s):**

## **ACKNOWLEDGEMENT**

We have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. We would like to extend our sincere thanks to all of them.

We are highly indebted to Dr. Pradeepta Sarangi for their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

We would like to express our gratitude towards our parents & member of CSE Department for their kind co-operation and encouragement which help us in completion of this project.

We would like to express our special gratitude and thanks to industry persons for giving us such attention and time.

Our thanks and appreciations also go to our colleague in developing the project and people who have willingly helped us out with their abilities.

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## **Project Title: Online Voting Website**

**Introduction:** In today's world, people have no time as they want their work to be done as soon as possible. Also, they do not want to stand in long queue for voting for hours or minutes. Some people do not have time to go and vote and some people cannot come to some reasons to vote. The aim of this project is to build an online voting website so that every person can vote from anywhere in the world.

**Project Category:** In my view this project belongs to Community - Facilitating and improving current Systems because this project is for improving the current voting system for community which will be very beneficial. People can vote from anywhere in the world.

**Abstract:** In today's world people have no time as they want their work to be done as soon as possible. Same is in the case of voting. As they do not want to stand in queue for hours or minutes. Some people can't come because of some urgent work while some due to some reasons. So, the main purpose of this project is to build an online voting website so that every person can vote from anywhere in the world. Firstly, user have to authenticate themselves by verifying their aadhar card. Only after verification they can vote.

## **Work Done:**

**Overview:** It is an online voting website and people can vote from anywhere in the world by just writing the voting code and by authenticate themselves by verifying their aadhar card. It hardly takes few seconds. The main purpose of building this website is that some people do not have time to come and vote while some do not want to stand in long queue.

### **Purpose:**

1. To provide faster voting service to save time.
2. Voter can vote from anywhere.
3. Each voter can vote only once.
4. To ensure that only eligible voters are allowed to vote.
5. A person can create his own polling.
6. Real time polling will be there, no need to wait for the results for so long.

## **Overall Description:**

### **1. Product Perspective:**

This software system is user friendly. Firstly a user has to authenticate themselves.

After voting, user can check the results immediately. A user can also create his own voting poll.

## **2. Product Function:**

User has to authenticate themselves by filling up the voting id. After this, user has to fill up the aadhar number. If the aadhar number exists, then only a user is eligible for voting. User can check the results immediately after the voting. User can also create his own voting poll by typing create poll on the main page.

## **3. Operating Environment:**

This project works on the following:

1. Operating System – Windows 7,8,10.
2. Text – Editor: VS Code.
3. Technologies used: HTML, CSS, Javascript, React JS, Node JS, My SQL.

## **4. Design and Implementation constraints:**

Firstly, the voter has to authenticate himself or herself by writing the voting code. After authentication, a voter has to verify its aadhar card number whether it is valid or not. If aadhar number is valid then only voter will be eligible for voting.

## **External Interface Requirements:**

### **1. User Interface:**

It will be easy to use and user friendly.

Voter can enter into it by writing the voting code.

### **2. Software Interface:**



This whole project works on browsers like chrome, firefox etc. and is based on the technologies like HTML, CSS, Javascript, React JS.

### **3. Communication Interface:**

There will be a message for the user that the voting has completed.

### **System Features:**

#	Title of System features	Description	Priority	Functional Requirements
1.	Signup	A user gets entry in the application	High	For signup, each user must have a valid voting id.
2.	Voting	A user can vote only once	High	For voting, the user must fill up the correct details.

### **Other Non-Functional Requirements:**

#### **1. Performance Requirements**

It gives quick responses. It is time saving.

#### **2. Portability Requirements**

User can use it from anywhere.

#### **3. Availability Requirements**

This system is up and running whenever needed.

#### **4. Scalability Requirements**

It meets the needs for which it was build.

#### **5. Security Requirements**

This system provides basic security authentication.

#### **6. Safety Requirements**

It keeps the records of the votes. Also, it is safe from various attacks.

#### **7. Usability Requirements**

The user will be able to vote easily online.

#### **8. Reliability Requirements**

It is available on the voting day and the user can create his own poll so it is available all the time.

#### **9. Supportability Requirements**

It is supported by all the browsers like chrome, firefox etc.

#### **10. Efficiency Requirements**

It works with good efficiency.

### **E-R DIAGRAM:**

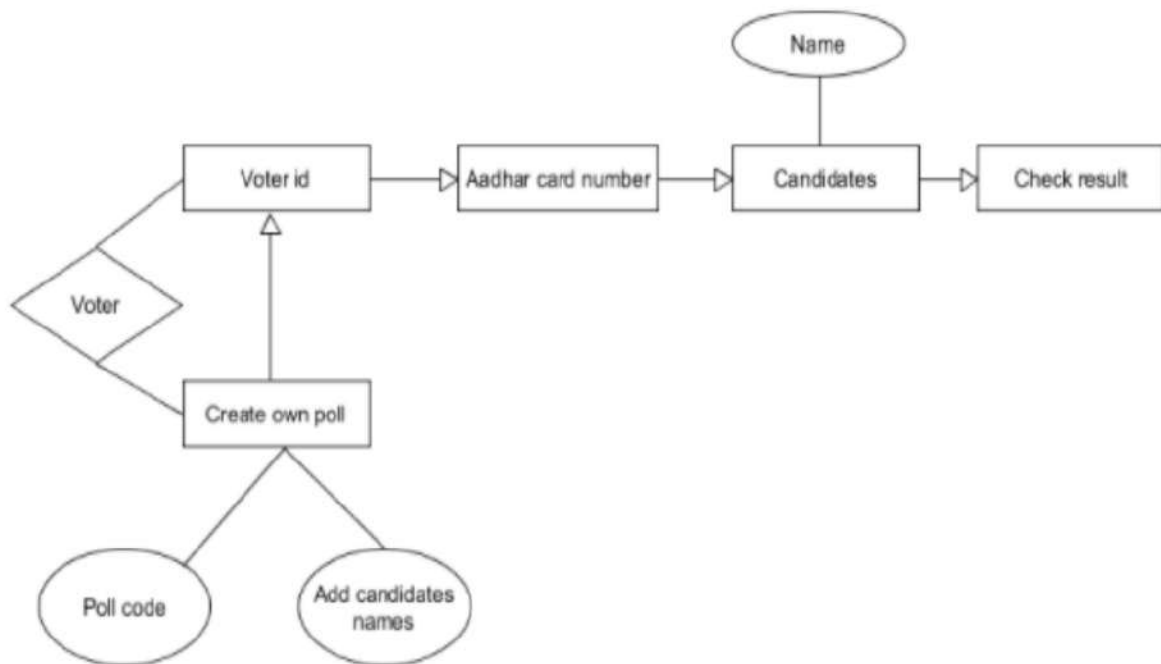


Figure 1: E-R Diagram

## APPLICATION ARCHITECTURE:

- **DFD:**

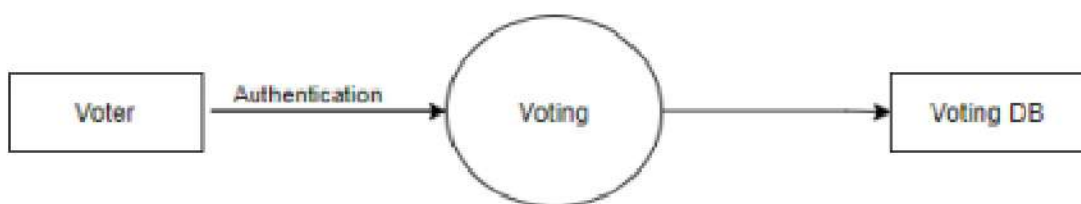


Figure 2: DFD(Level-0)

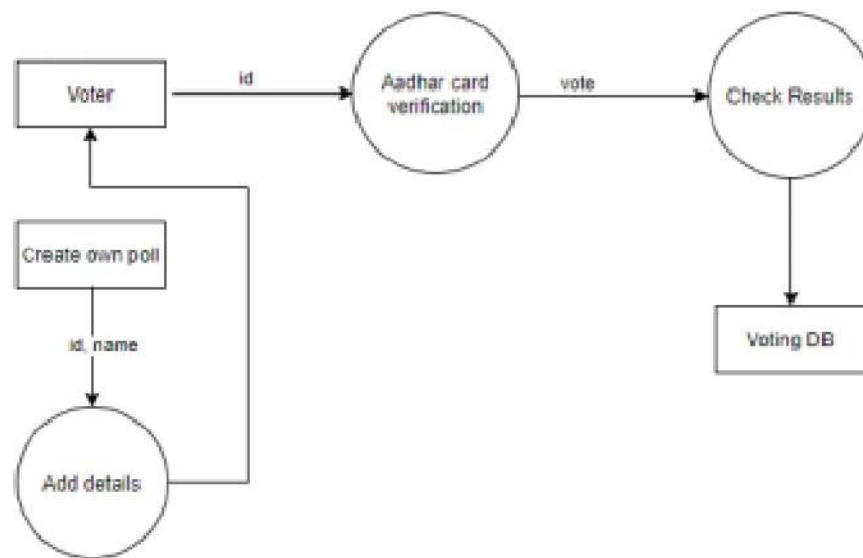


Figure 3: DFD(Level-1)

- CLASS DIAGRAM:**

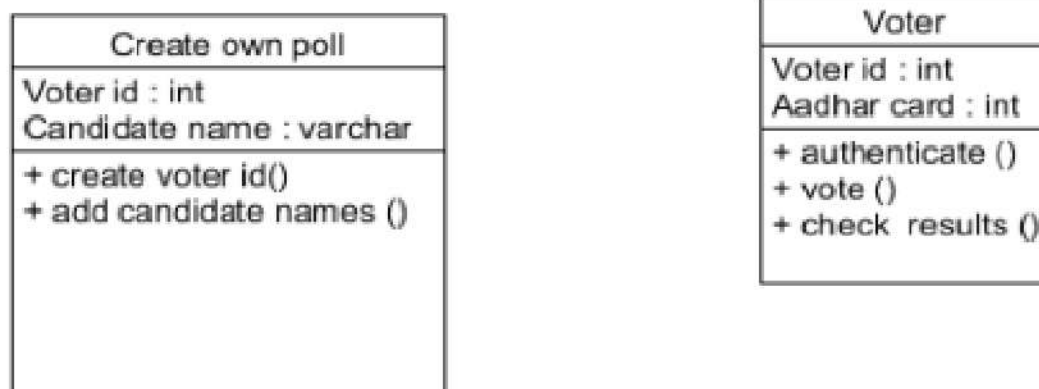


Figure 4: Class Diagram

- **USE CASE DIAGRAM:**

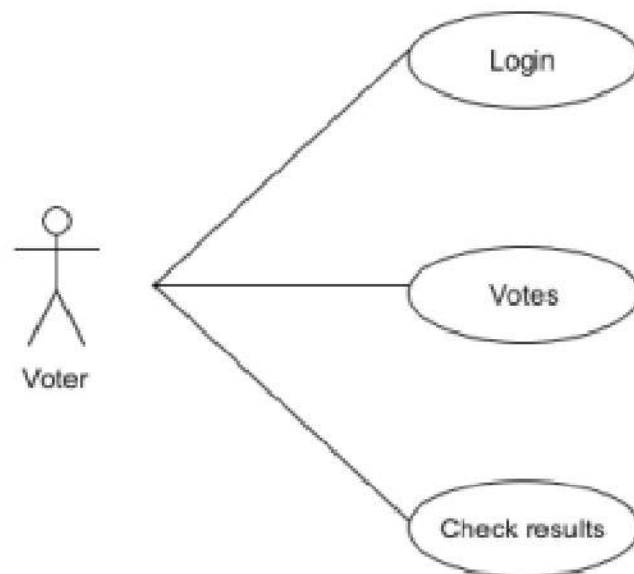


Figure 5: Use case diagram of voter

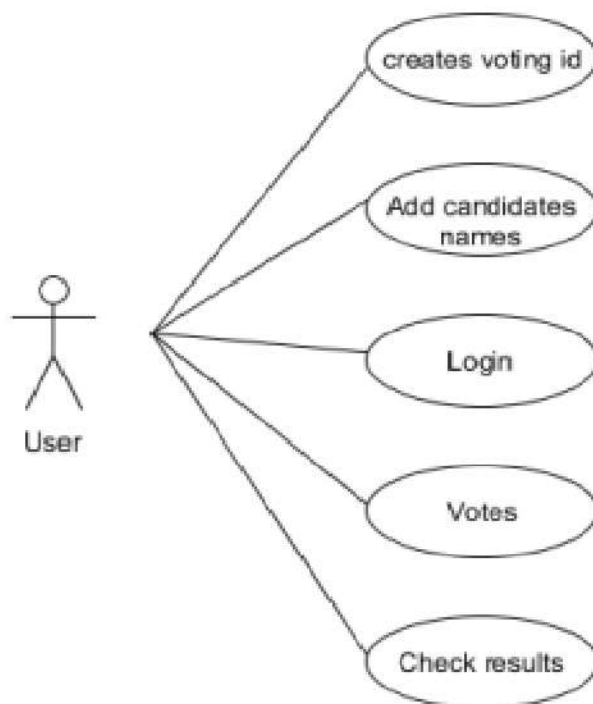


Figure 6: Use case diagram of create poll and vote

- **DEPLOYMENT DIAGRAM:**

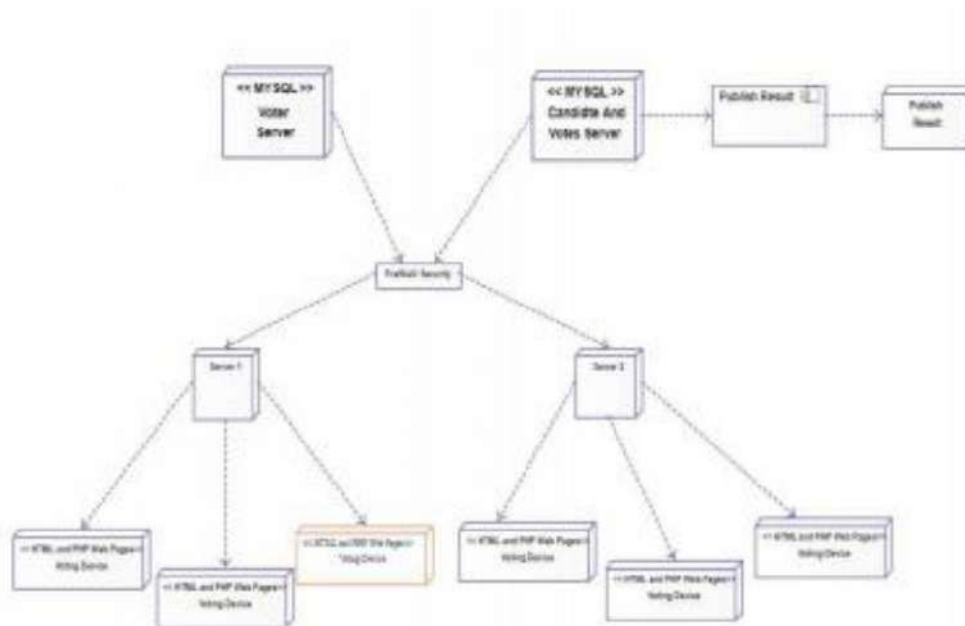


Figure 7: Deployment diagram

- **SEQUENCE DIAGRAM:**

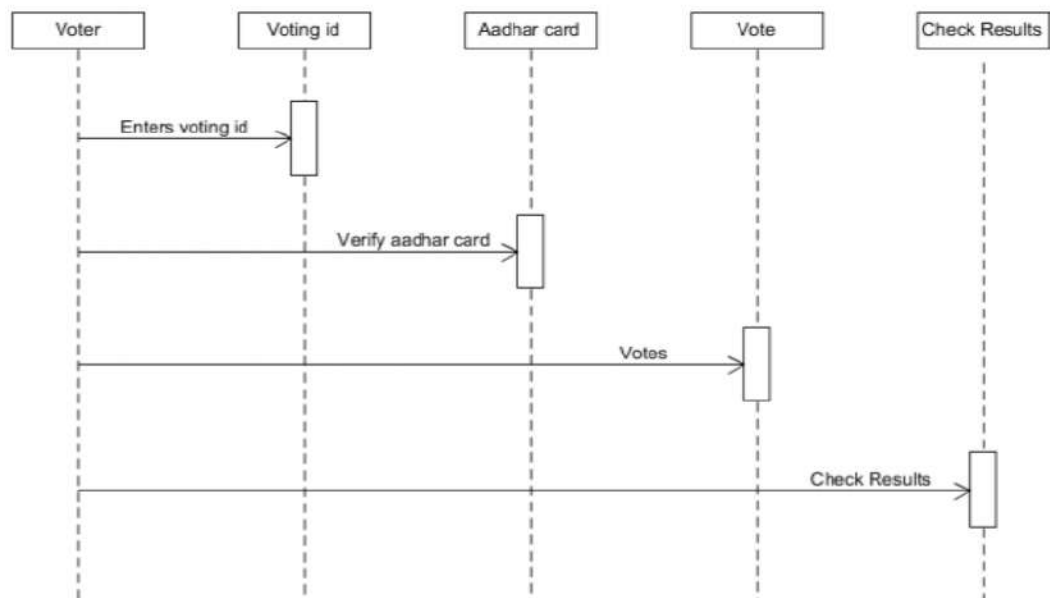


Figure 8: Sequence Diagram of voter

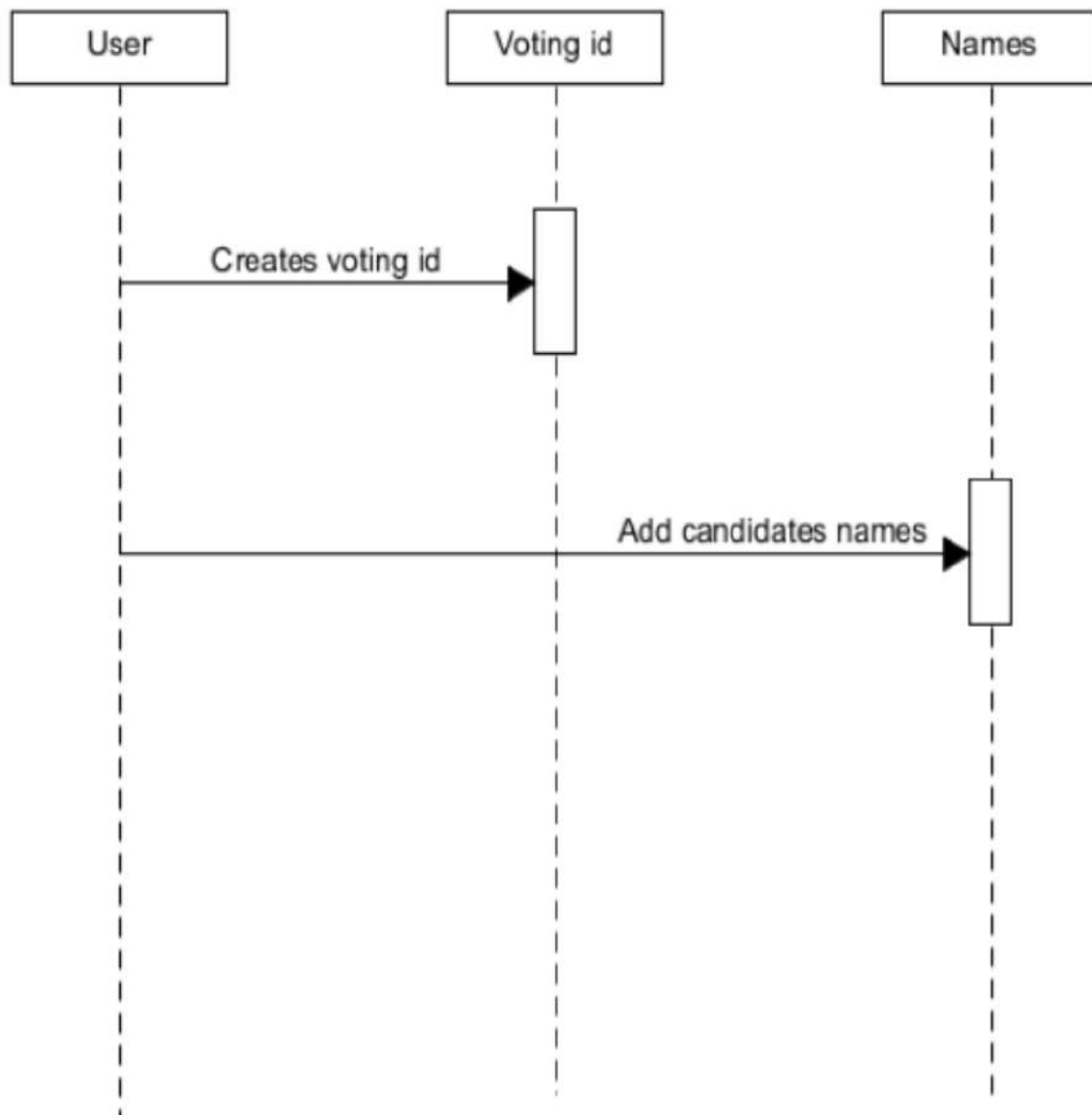


Figure 9: Sequence diagram for create own poll

- **ACTIVITY DIAGRAM:**

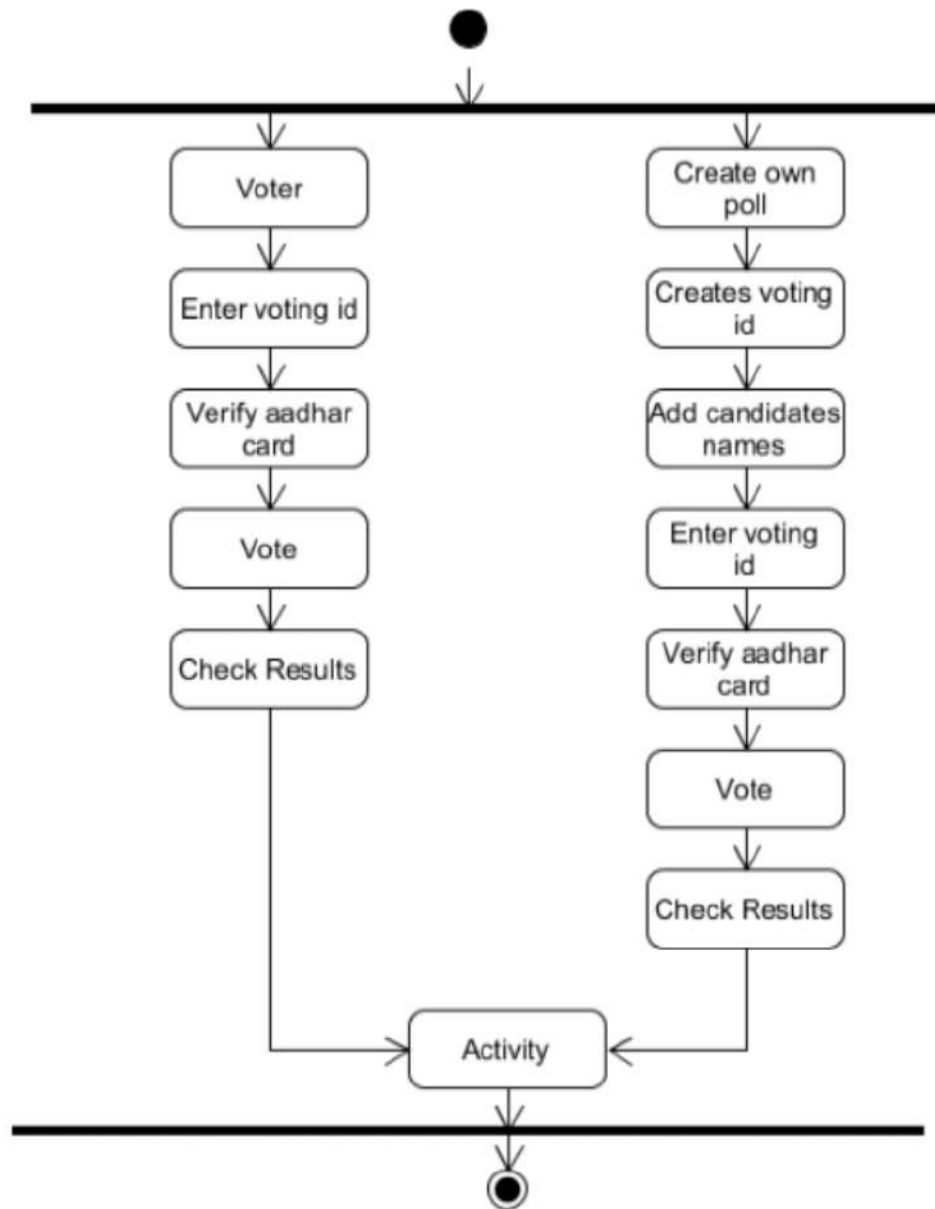


Figure 10: Activity Diagram



## **CONCLUSION AND FUTURE SCOPE**

**CONCLUSION:** This application will be very beneficial to people as they do not have to go to polling booth for voting. They can vote from anywhere in the world.

Also there is security in this application as there is aadhar card verification as no fraud will be there.

### **FUTURE SCOPE:**

I think this project will be very beneficial because there is no need to go anywhere. And in today's time there is lot of crowd at place and if there is a little verbal fight between opponents this can take the form of fight or riots. Because of online voting there will be no crowd gathering, no riots and no fights. It will be safe from every side.

In this project, there is aadhar card verification. In future, there can be voter id verification as well which can be more safer and aadhar card and voter id can be put together to make it more safer.

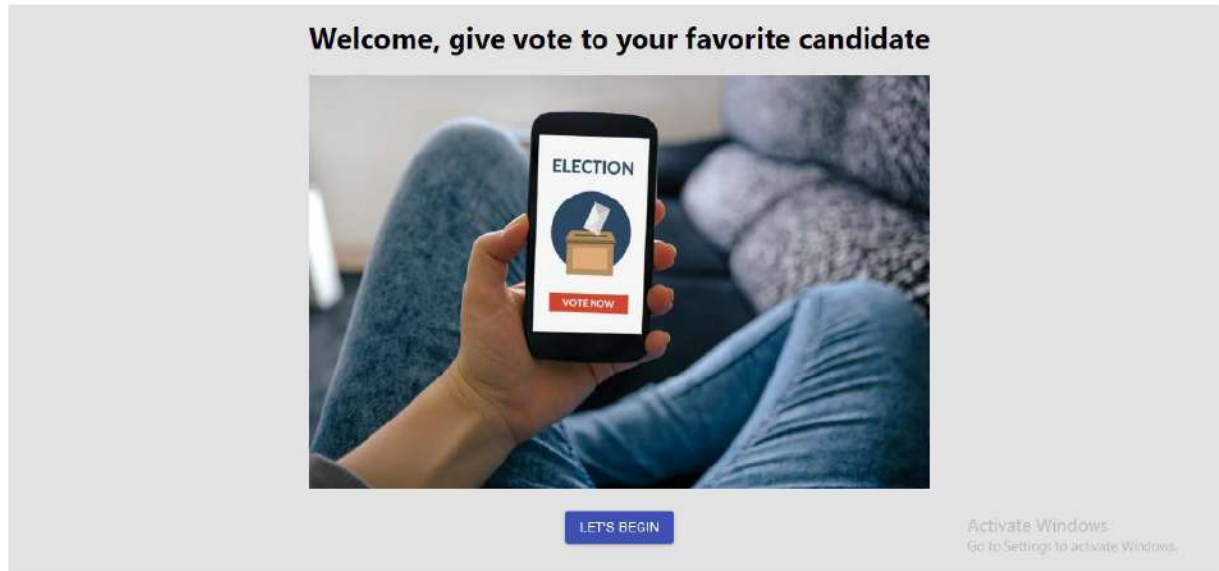
- i) There can be unique sign in id for every individual.
- ii) There can be aadhar card or voter card verification or both.

### **REFERENCES:**

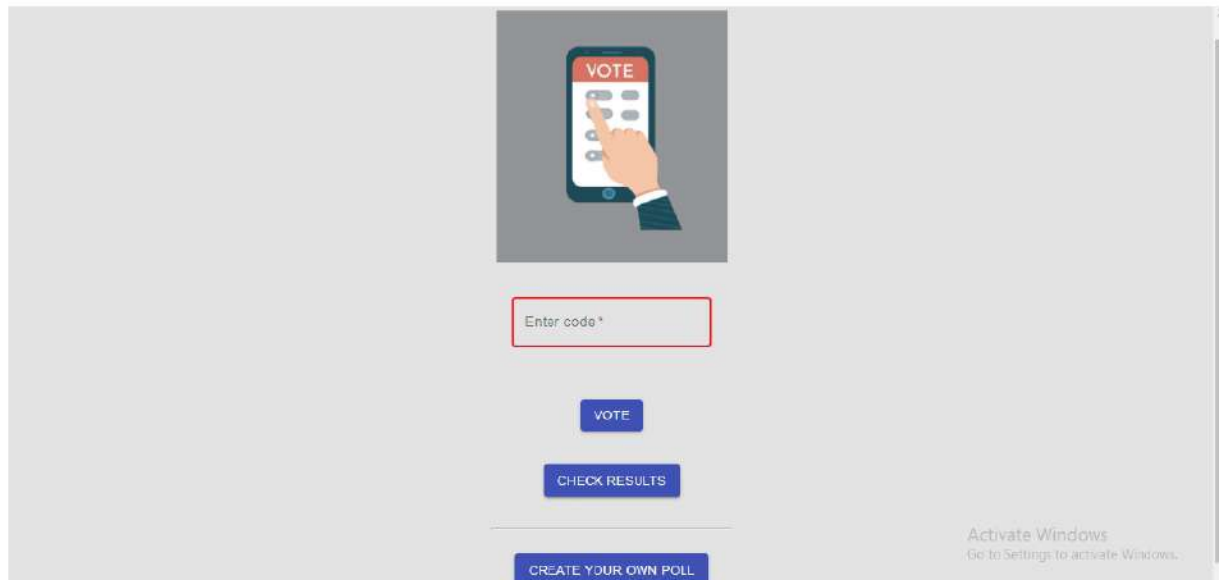
- [1] <https://www.w3schools.com/>
- [2] <https://stackoverflow.com/>
- [3] <https://www.youtube.com/watch?v=WuBcTJnIuzo>

## **SNAPSHOTS:**

The front page will look like this.



After clicking on "LET'S BEGIN" we move to next page in which we have to enter code to vote.



If we enter the wrong code then a message “\*\*invalid code” will be shown.



Enter code \*

12345678

\*\*invalid code

VOTE

CHECK RESULTS

CREATE YOUR OWN POLL

Activate Windows  
Go to Settings to activate Windows.

After writing the right code then we move to next page which is aadhar card verification.

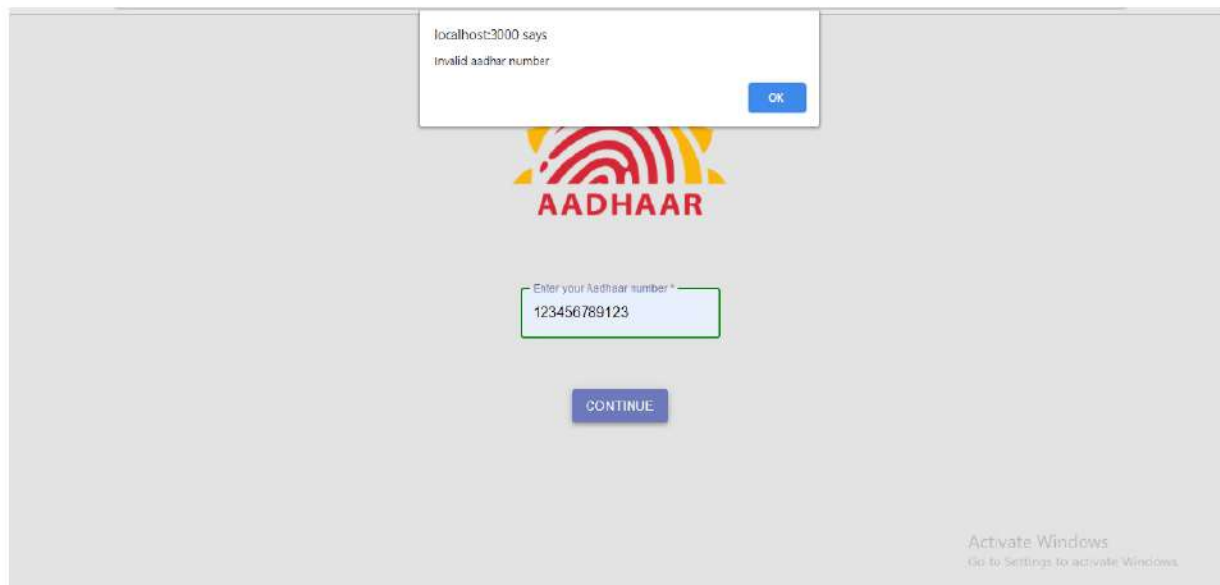


Enter your Aadhaar number \*

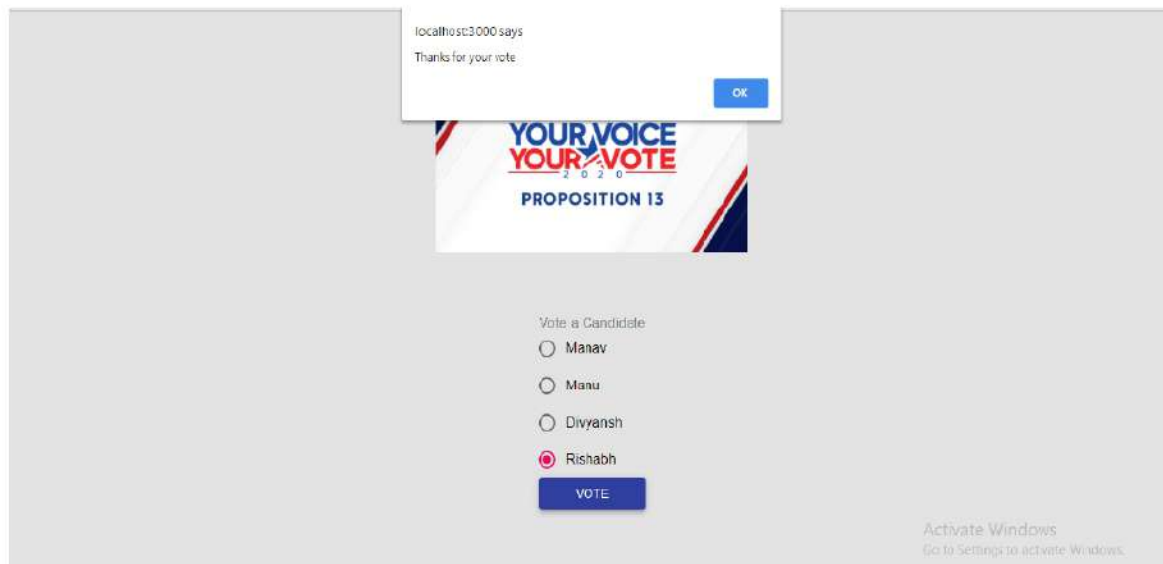
CONTINUE

Activate Windows  
Go to Settings to activate Windows.

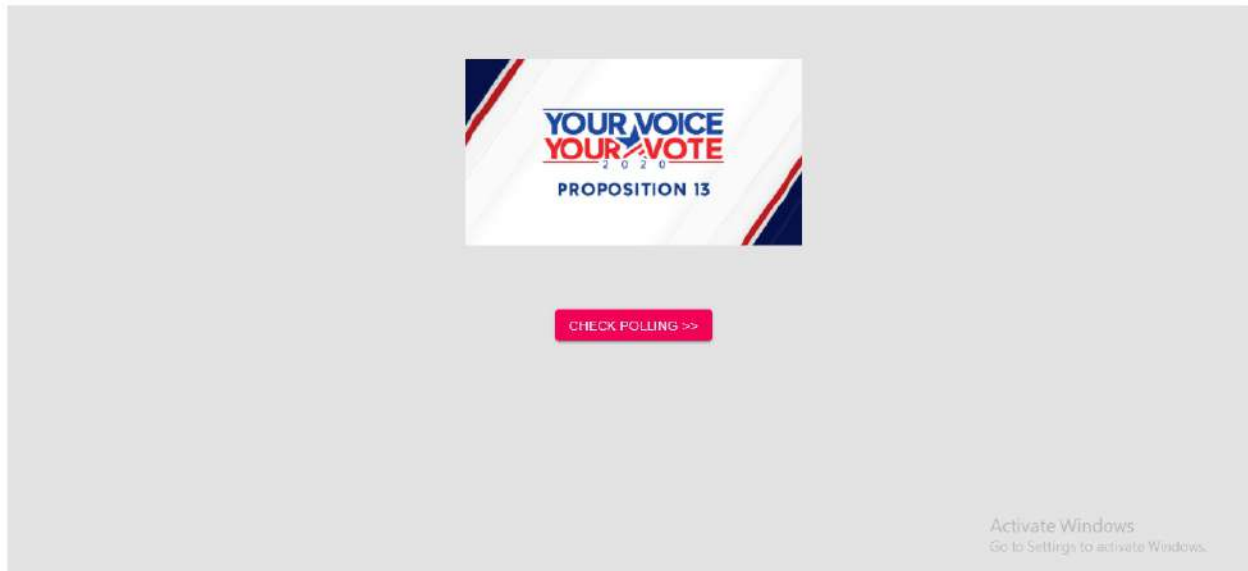
If we write invalid aadhar card number then it will show an alert “Invalid aadhar number”.



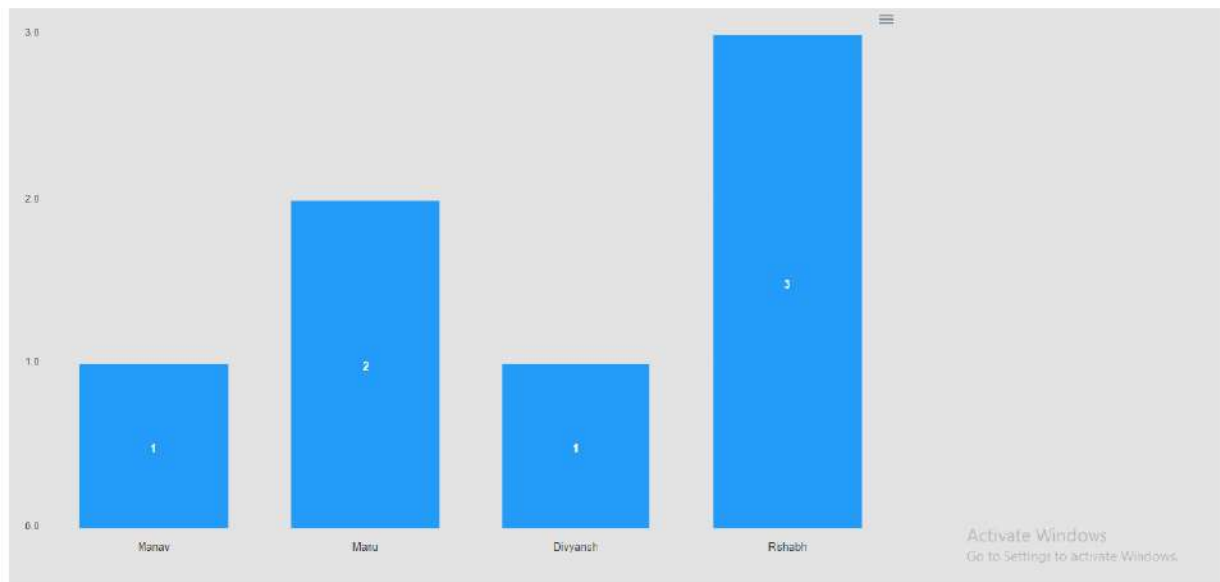
After writing the valid aadhar number we come to the page where we have to vote.



After voting we can immediately check the results.



The results will look like this. We can download the results.



We can also create our own poll. We just have to click on “CREATE OWN POLL” on the page where we have to confirm voting id.

After that, just write the polling code and write the candidate name in the Candidates Name option. After writing the name we just have to click on the “+” sign. The added name will be seen on the screen. We can add as many names as we want. After adding the names, just move to the voting id page, enter the id, confirm the aadhar number, just vote and check the results immediately.