E-VOTING REPORT

TEAM MEMBERS :

KRISHNAPALSINH CHAUHAN (21162171006)

ASTIK SAXENA (2116217102)

KHUSH NADPARA (21162171013)

SOFTWARE REQUIREMENT SPECIFICATION

FOR E-VOTING

TABLE OF CONTENTS

1. INTRODUCTION

- 1.1 PURPOSE
  - 1.1.1 PROBLEM STATEMENT
  - 1.1.2 PROBLEM SOLUTION
- 1.2 SCOPE
- 1.3 MODULES / SUBSYSTEMS
- 1.4 SYSTEM LIMITATIONS
- 1.5 TOOLS AND TECHNOLOGY

2. SPECIFIC REQUIREMENTS

- 2.1 FUNCTIONAL REQUIREMENTS
- 2.2 NON-FUNCTIONAL REQUIREMENTS
  - 2.2.1 RELIABILITY
  - 2.2.2 PERFORMANCE
  - 2.2.3 SUPPORTABILITY

3. USER INTERFACES

4. USE CASE DIAGRAM

1.INTRODUCTION

1.1 PURPOSE

1.1.1 PROBLEM STATEMENT

Paper-based voting systems originated as a system where votes are cast and counted by hand, With the advantage of electronic tabulation came systems where paper cards or sheets could be marked by hand counted electronically. These systems included punched card voting, mark sense and later digital pen voting systems. These systems are less efficient and more vulnerable.

1.1.2 PROBLEM SOLUTION

It's easy to manage large amount of user and data store in electronic for long time. Register Vote form anywhere. The project is mainly aimed at providing a most secure and user-friendly online voting system. No paperwork. Display voting results in a graphical fashion and instantly display result for the administrator to Analyze. Prevent voters from voting more than once for their choose candidates.

1.2 SCOPE

The application provides a platform to the users to express their opinions on different issues. User can conduct a survey or poll and he can also take part in polls. It provides interactive and user-friendly interface. It has its own social network so the users can easily connect the other users based on the area, time zone, organization, country etc.

1.3 MODULES / SUBSYSTEMS

The different modules included in this system will be

- Administrator console.
- Voters Registration and Profiling System.
- Voting Reports and Results System.

1.4 SYSTEM LIMITATIONS

- An internet connection is required to cast the votes.
- It is available for android smartphones only.

1.5 TOOLS AND TECHNOLOGY

- PROGRAMMING: PYTHON
- MySQL DATABASE

- USER INTERFACE: PYTHON-TKINTER

2.SPECIFIC REQUIREMENTS

2.1 FUNCTIONAL REQUIREMENTS

- Authorize User:

  User: Any

  Input: Username and Password.

  Output: If username or password is incorrect an error generates. If the username and password are correct, then user is able to access the functionalities according to their access level.

  Results: The user is granted access to functionality according to the type of user.

- Vote Virtually

  User: Any

  Input: User can vote for their candidate.

  Output: Vote will be added to candidate's vote bank.

  Result: User has casted their vote successfully.

- Vote once

  User: Any

  Input: User will be able to vote for only once in specific Election.

  Output: User can vote only once.

  Result: Only one vote will be added to Candidate's vote bank.

- Add User

  User: Admin

  Input: Age Proof, Full Name, Address, Unique ID number etc.

  Output: New User will be added as voter.

  Result: New user will be able to vote.

2.2 NON-FUNCTIONAL REQUIREMENTS

- Reliability

  Priority: High

- It is described as the ability of a system or component to perform its required functions under static conditions for a specific period.

- Performance

  Priority: High

- Speed: It determines whether the software product responds rapidly.
- Scalability: It determines the amount of load the software product can handle at a time.
- Stability: It determines whether the software product is stable in case of varying workloads.
- Secure

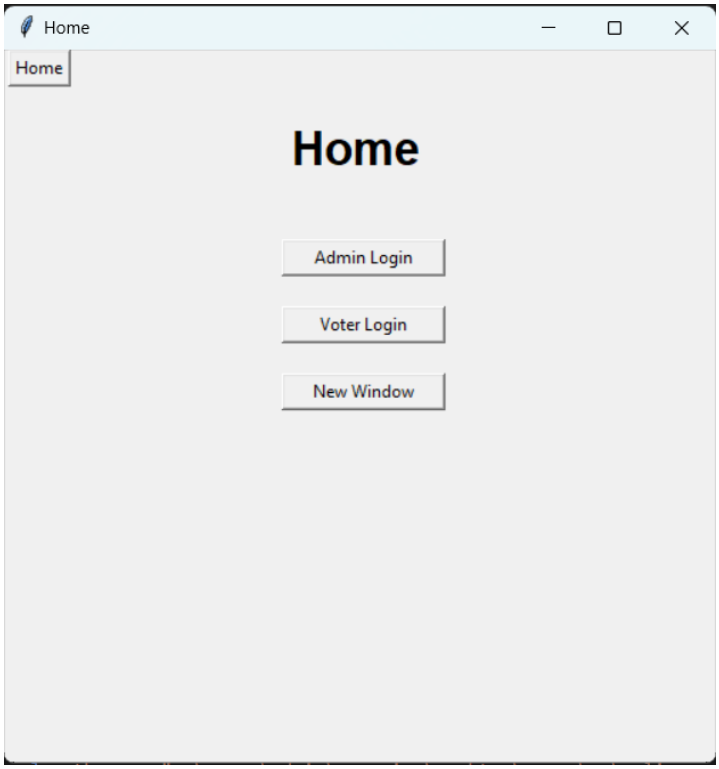
  Priority: High

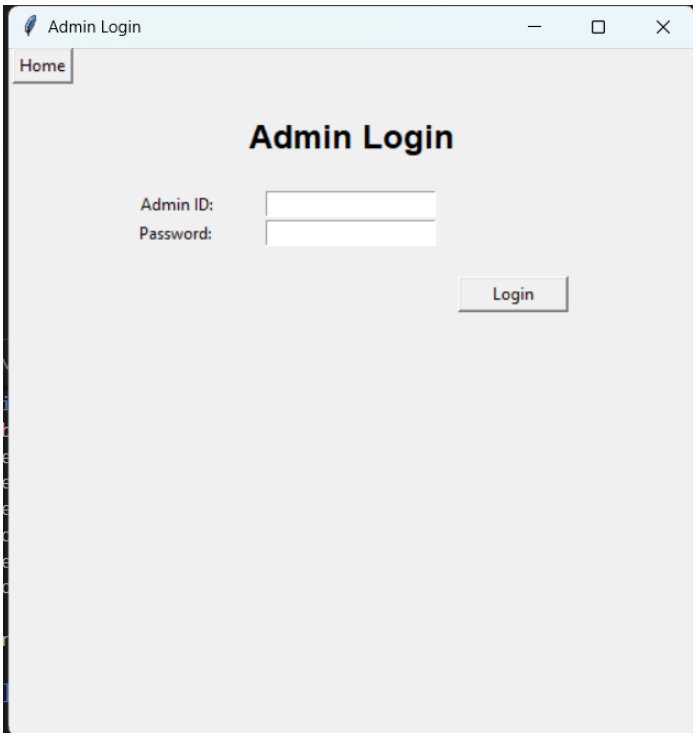
- Confidentiality – extent to which data and processes are protected from unauthorized disclosure
- Integrity – extent to which data and processes are protected from

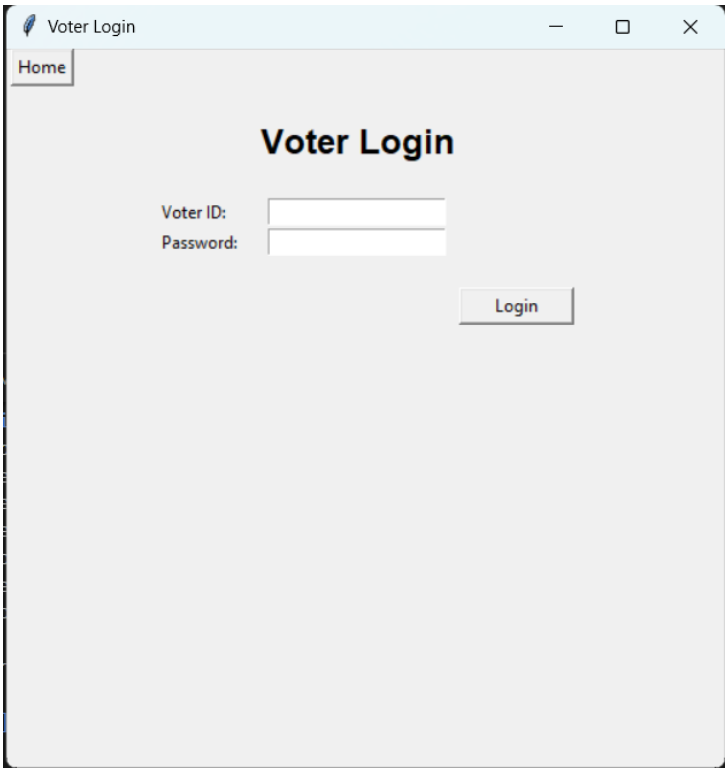
  unauthorized modification

- Availability – extent to which data and processes are protected from denial of service to authorized users

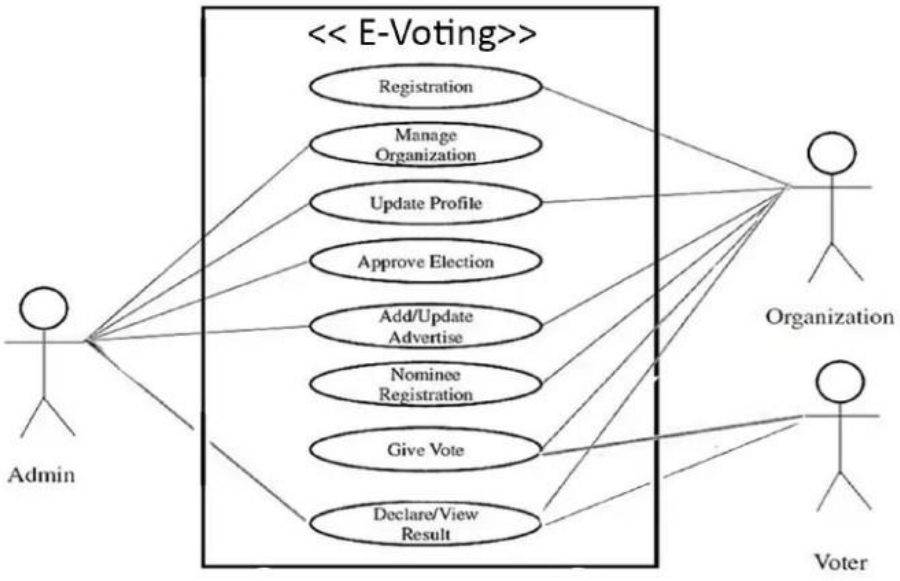
3.USER INTERFACE :



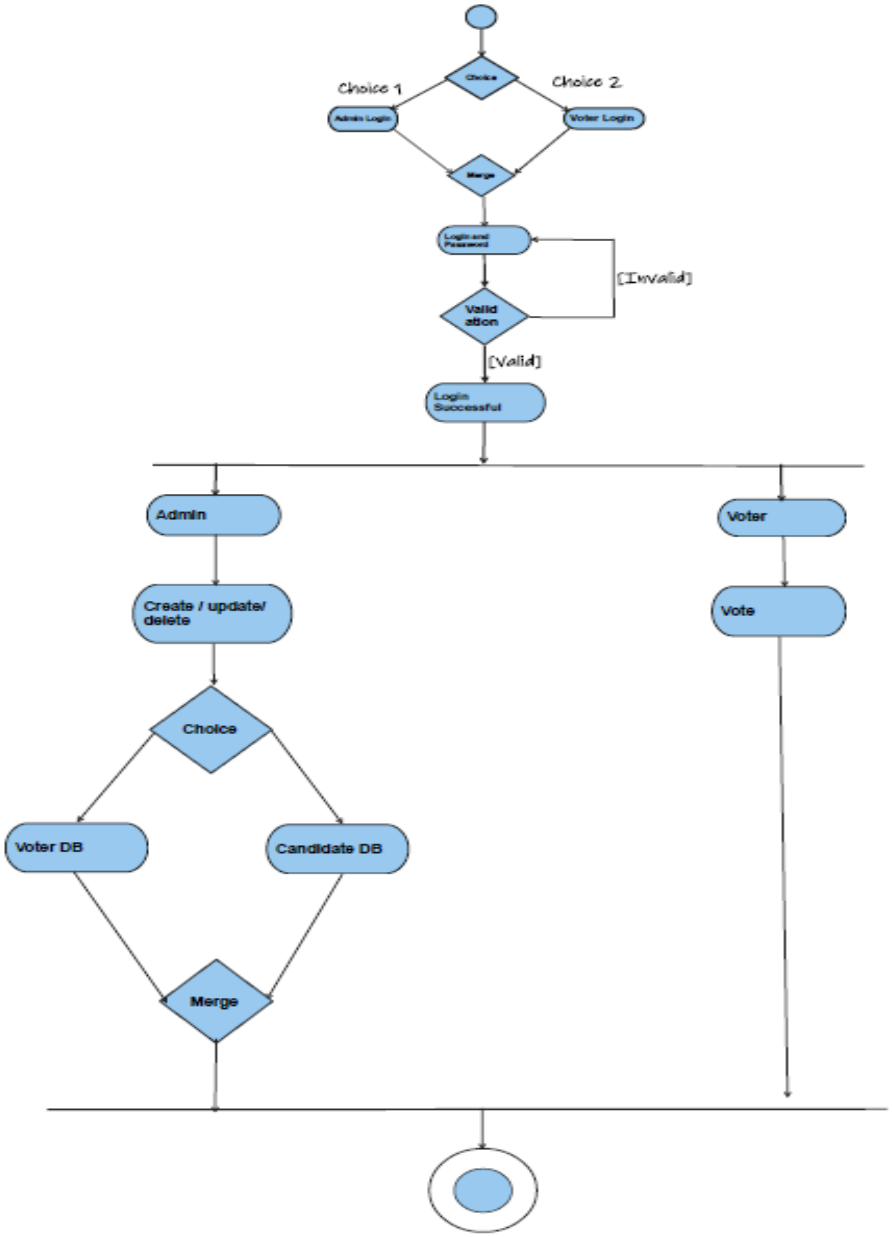

Admin Login
Home
Admin Login
Admin ID:
Password:
Login


Voter Login
Home
Voter Login
Voter ID:
Password:
Login

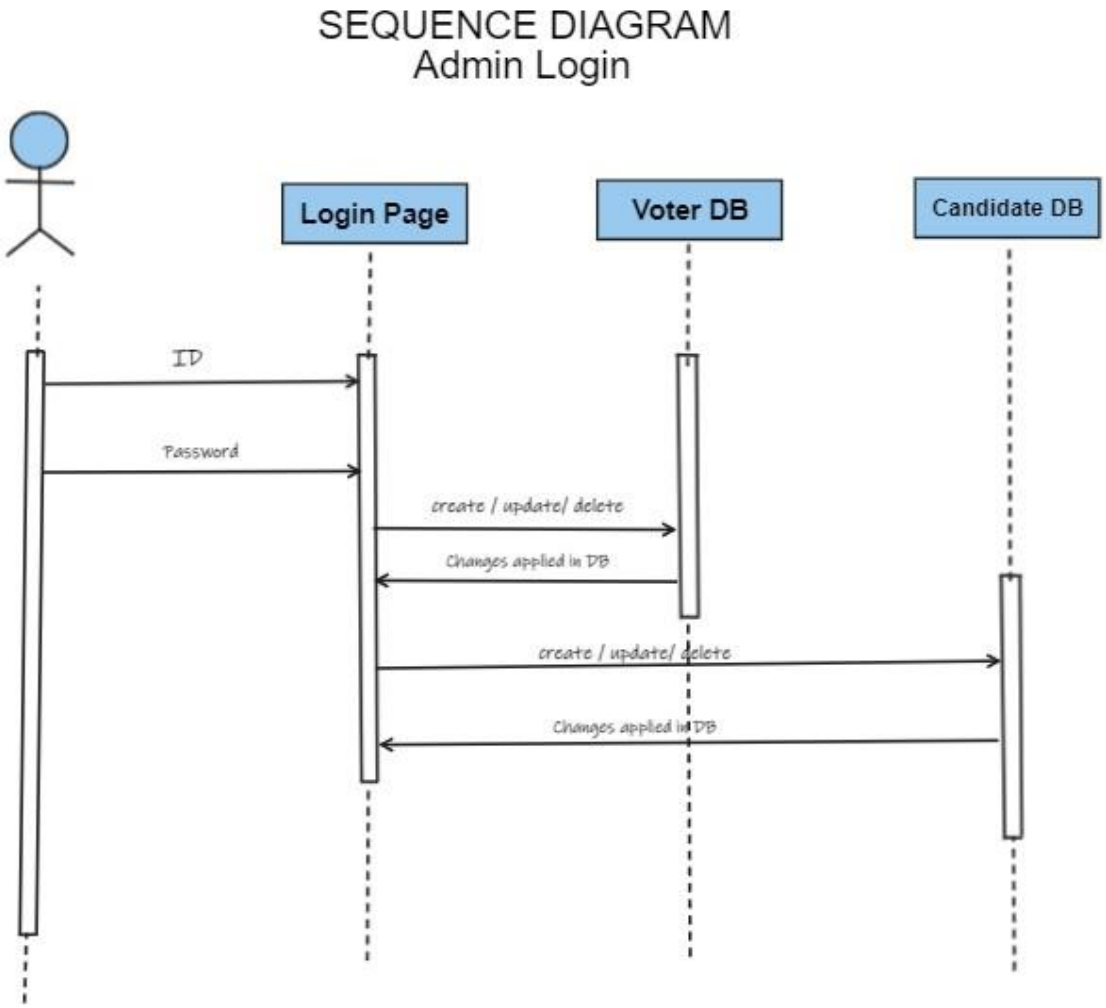
4.USE CASE DIAGRAM :



ACTIVITY DIAGRAM

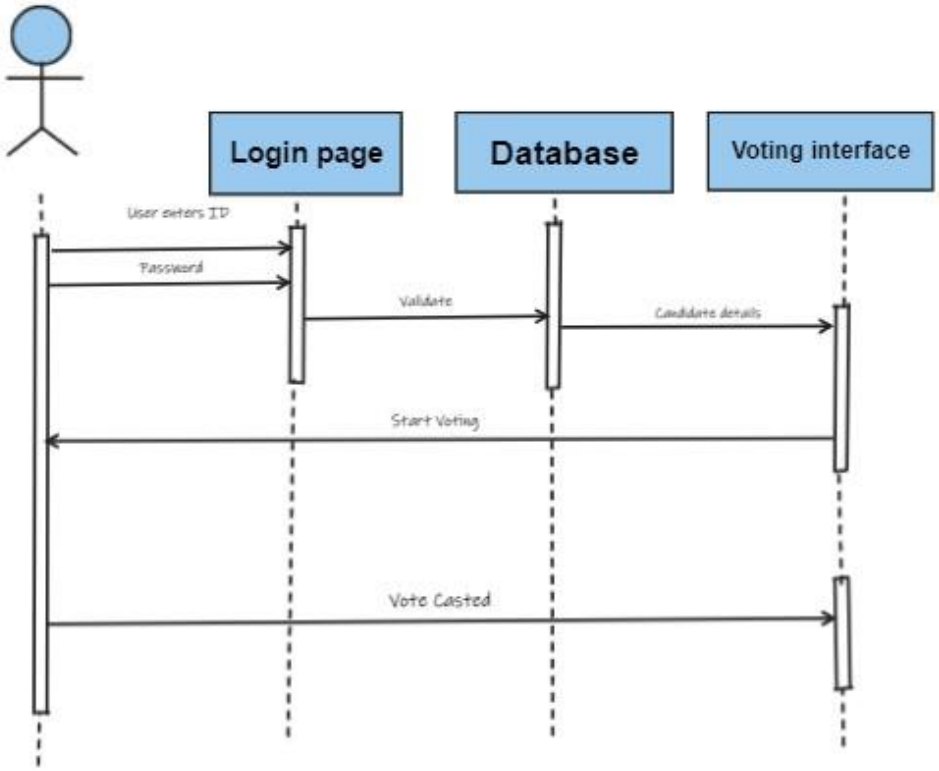


SEQUENCE DIAGRAM



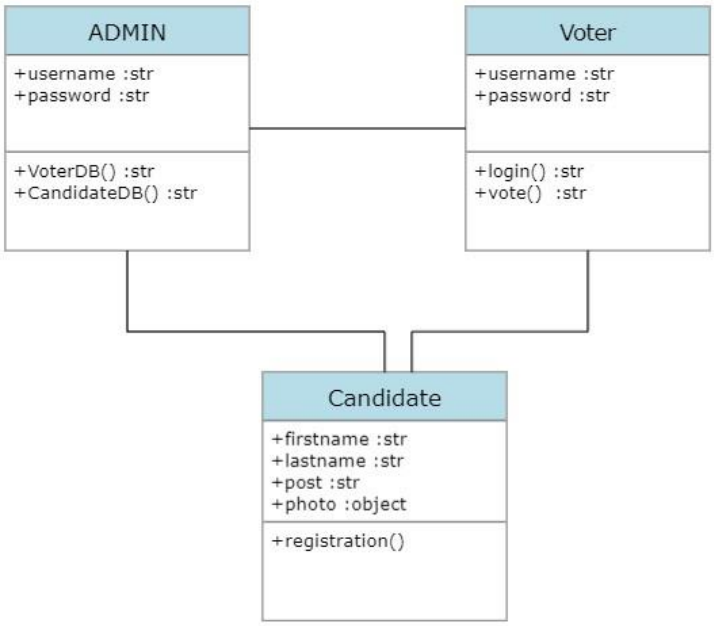
SEQUENCE DIAGRAM

Voter Login

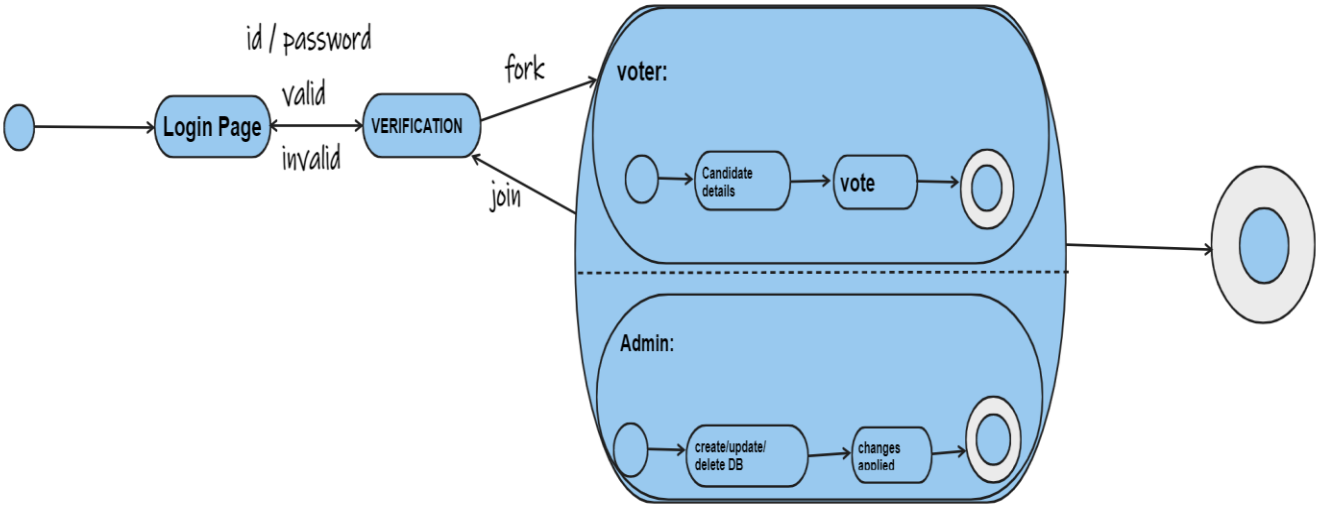


CLASS DIAGRAM

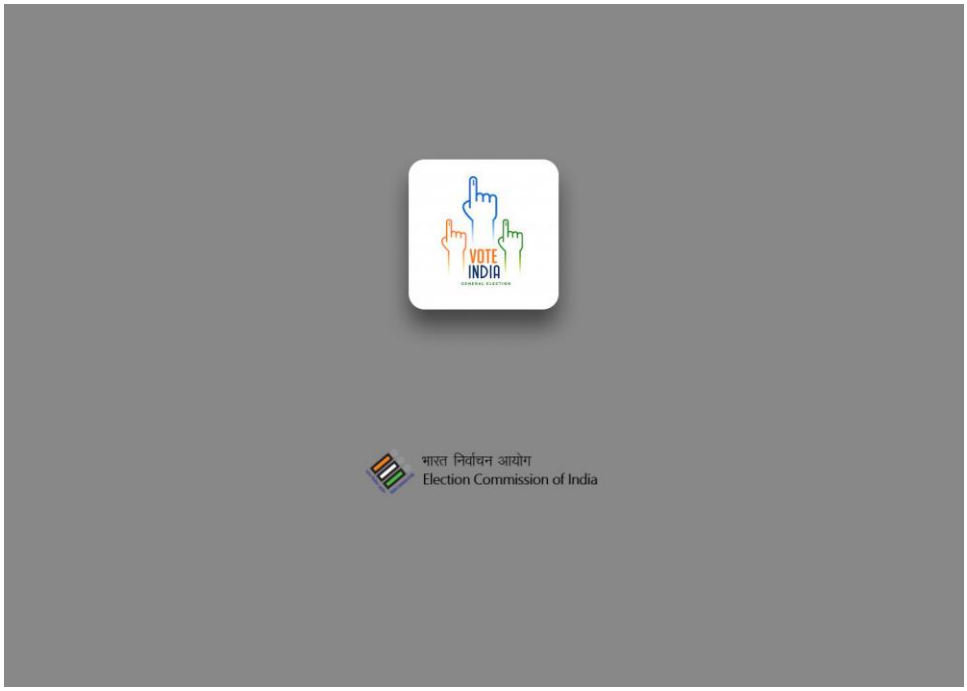
CLASS DIAGRAM FOR VOTING SYSTEM

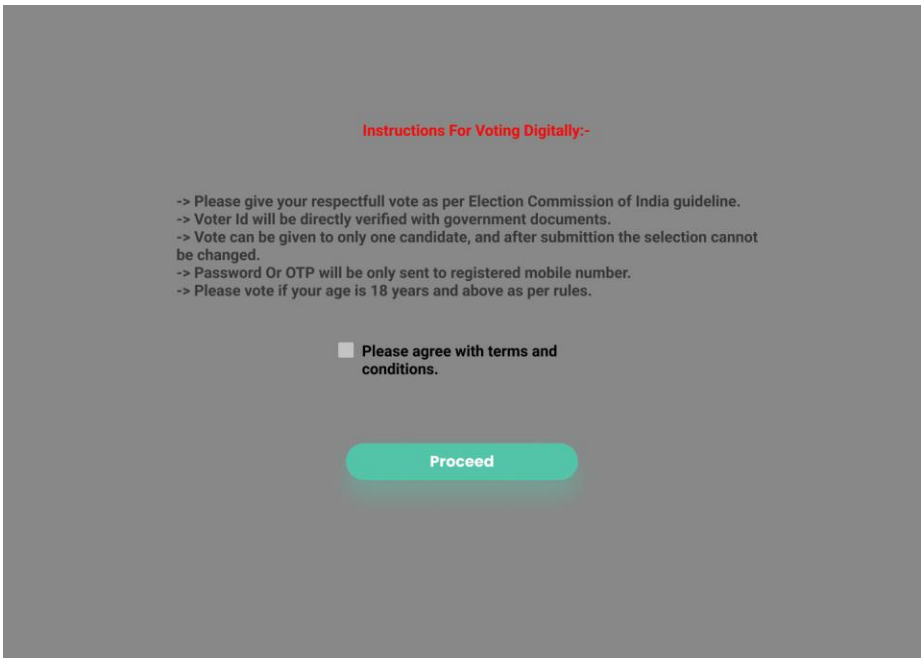


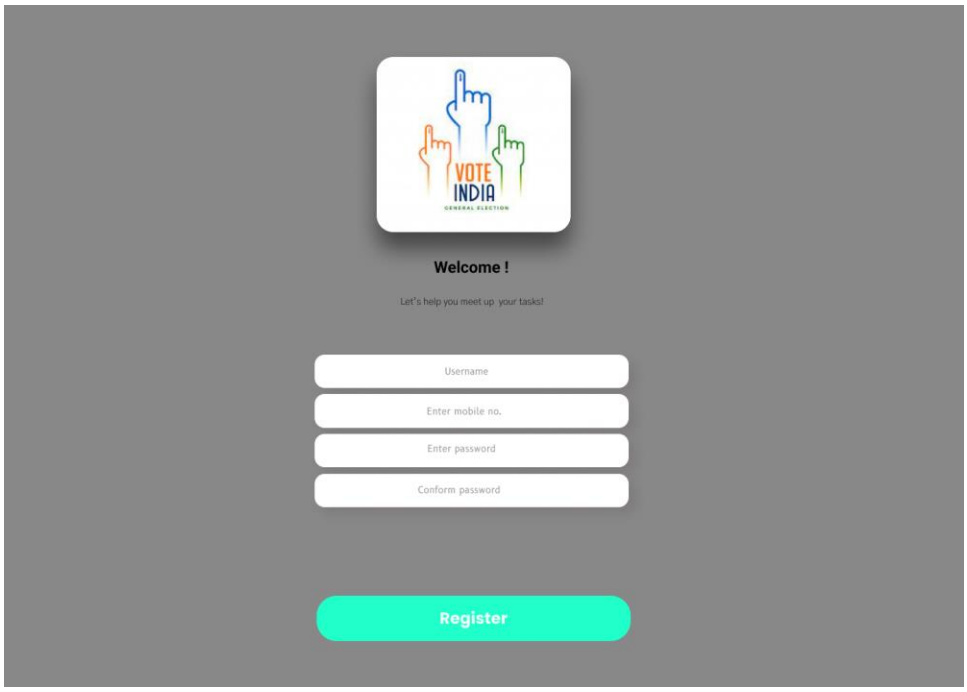
STATE DIAGRAM

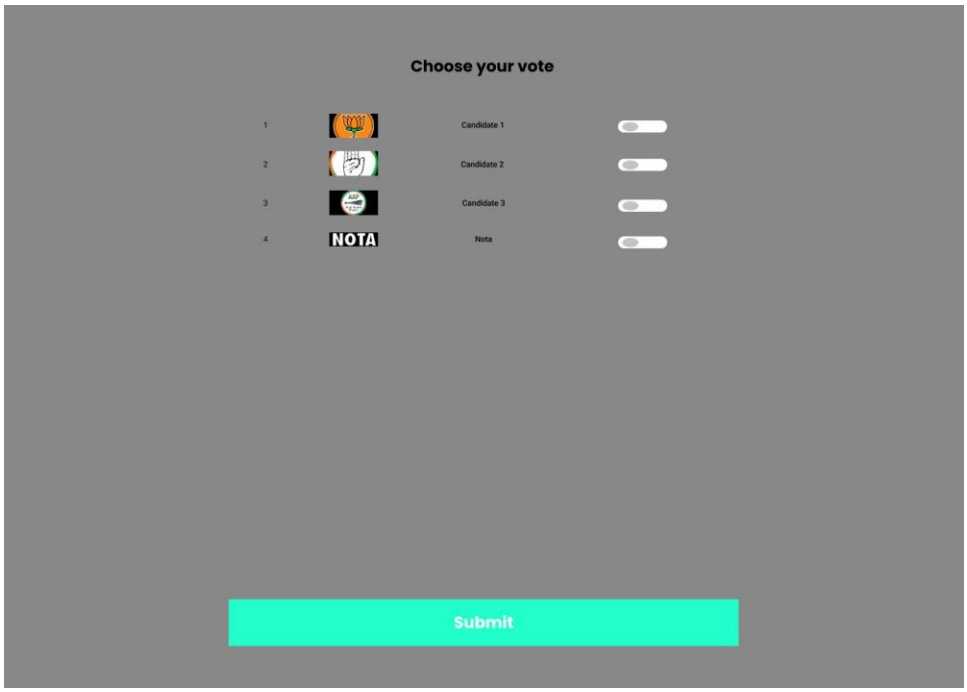

id / password
Login Page
valid
invalid
VERIFICATION
fork
join
voter:
Candidate details
vote
Admin:
create/update/ delete DB
changes applied

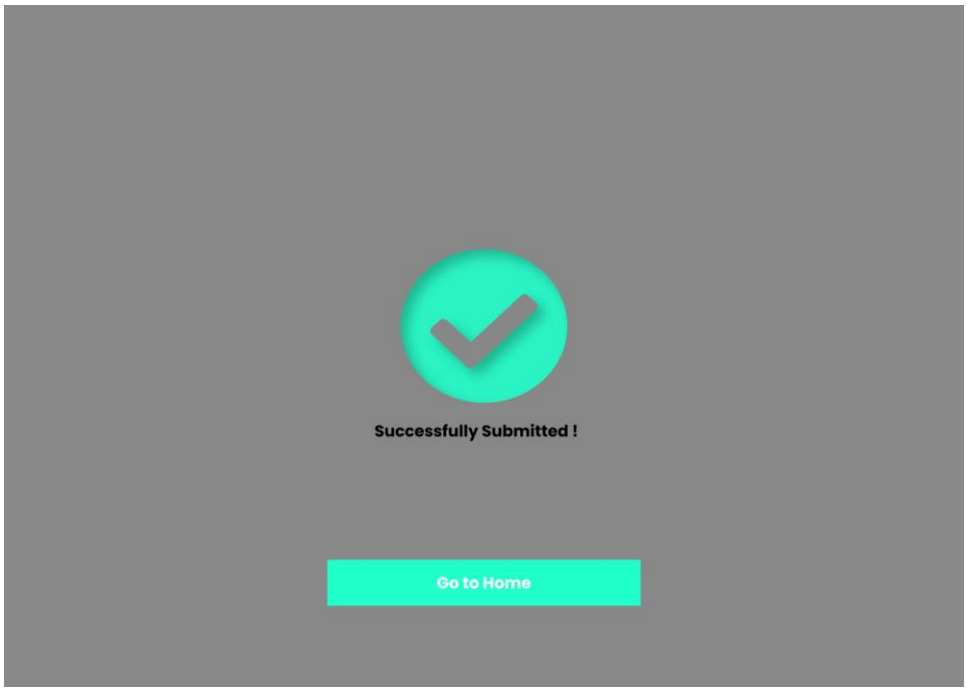
WIREFRAME SCREENSHOTS






VOTE
INDIA
GENERAL ELECTION
Welcome !
Let's help you meet up your tasks!
Username
Enter mobile no.
Enter password
Conform password
Register


Choose your vote
1
Candidate 1
2
Candidate 2
3
Candidate 3
4
NOTA
Nota
Submit


Successfully Submitted !
Go to Home