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A Report on "ONLINE VOTING SYSTEM"

Submitted by:

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INTRODUCTION:

Actually, nowadays we are voting manually in particular election booth center. But in future may be everything will be changed. Because we are living on digital world & everyone migrate into new technologies.

So there is chance for online voting system on upcoming days. Therefore, most of college students & developers interest to developing on those concept.

Similarly, it's like current voting procedure. The major difference is we use computer touch screen instead of voting machine. When this project on live in all elections, we control the fake votes via IP addresses. On the other hand, suddenly able to getting the results like who win the election.

VOTING SYSTEM OBJECTIVES:

The project objective is everyone cast their votes without any interruption. Another major advantage is time savings, cost, able to vote on anywhere. No need to comes on particular booth centers. Through this we increase the voting counts.

Because most of peoples not able to comes on native place & some other reasons. So when execute this plans, they are directly enters their vote on own place.

EXPLANATION:

Totally here we need to develop Three modules. They are,

1. Admin Login
   o Running Server
   o Show the Voting Results
2. Create Account for Voter
3. Voter Login
   o Cast Vote

Firstly, the voter must register a account for cast vote. Then only they are permit to enter a vote. After registration completed, admin provide unique voter id for all citizens.

Now admin need to running the server for start a elections. After that voters to starts to cast the vote. If raising any server problems, that also fixed automatically via the child server.

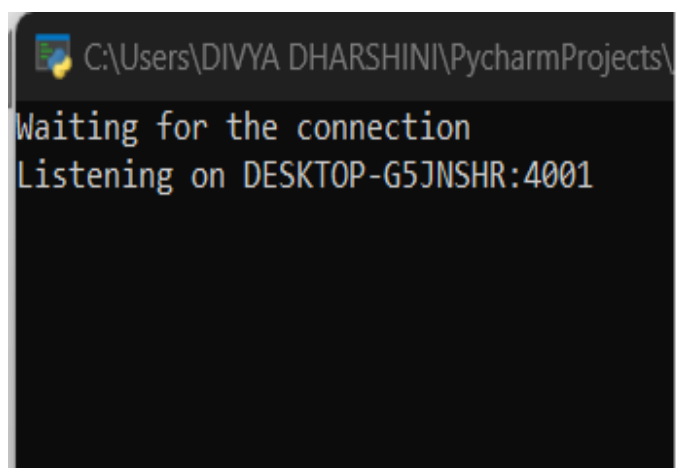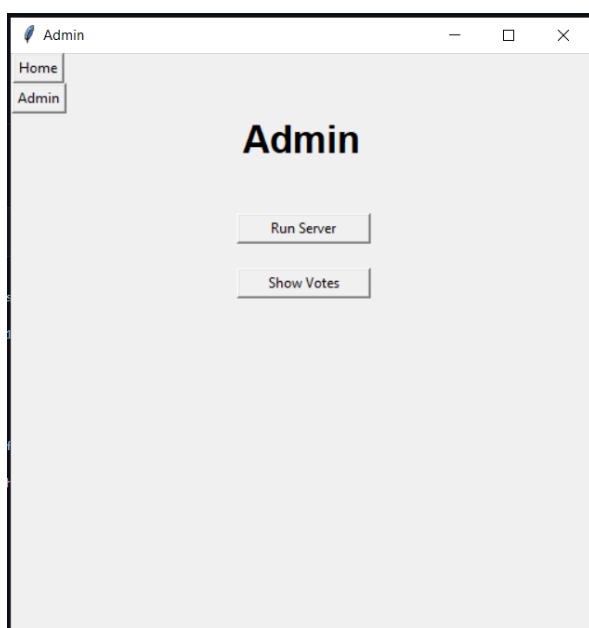Finally, Admin view the voting result & announce winners list.

- It is a desktop application made with socket programming in Python. It uses synchronous multithreading.
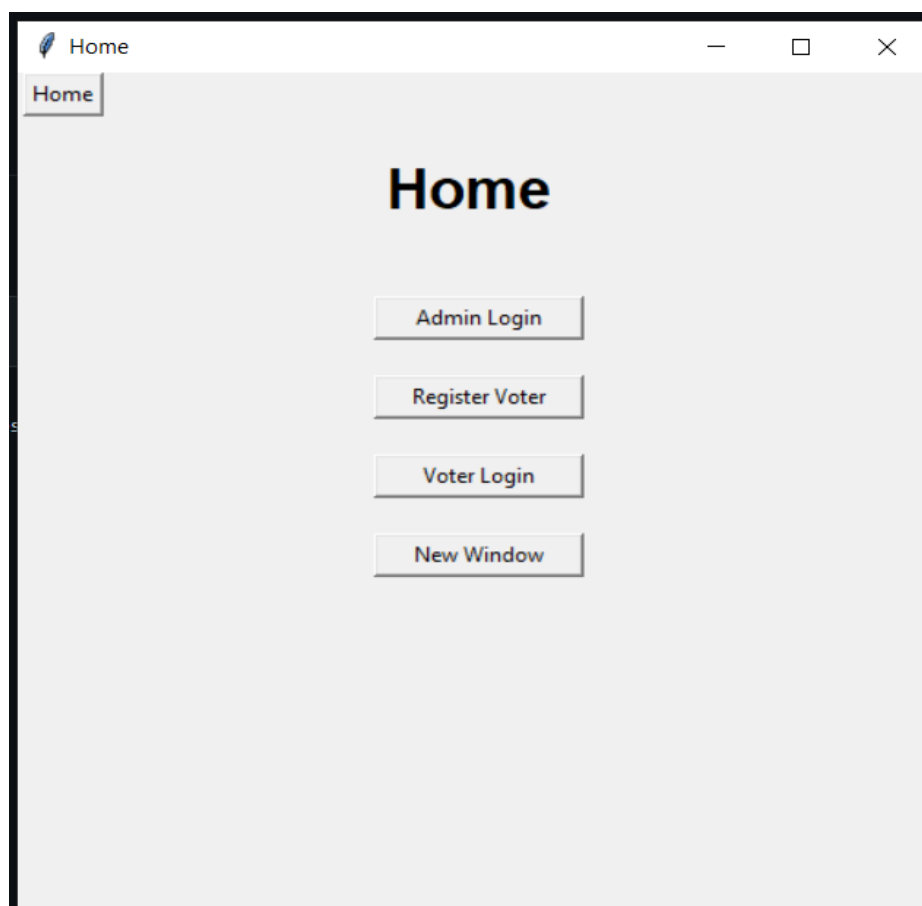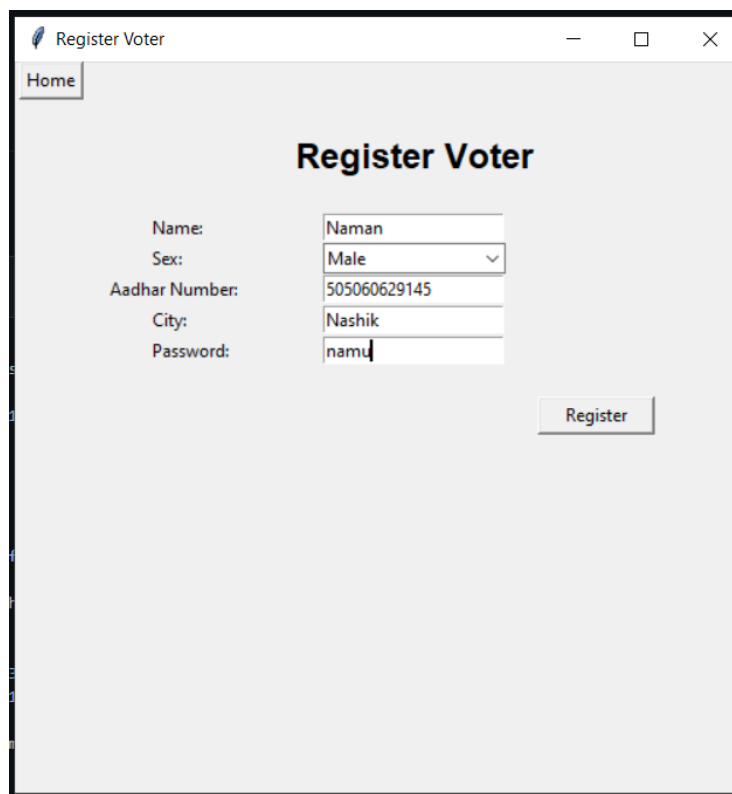
- Admin Login Credentials: User Id - Admin, Password – admin.
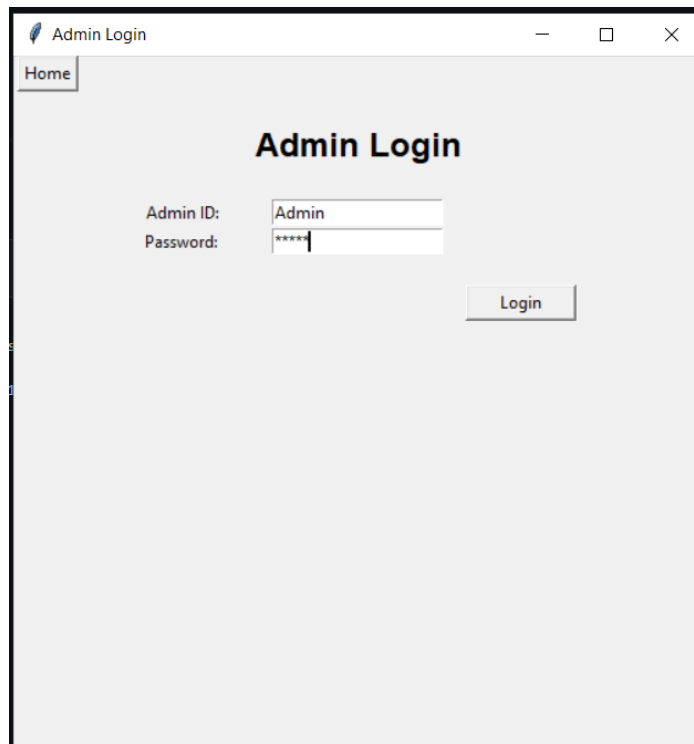
- Admin can now run the server, and the voters are now eligible to register themselves. Admin has the power to check the total vote count.
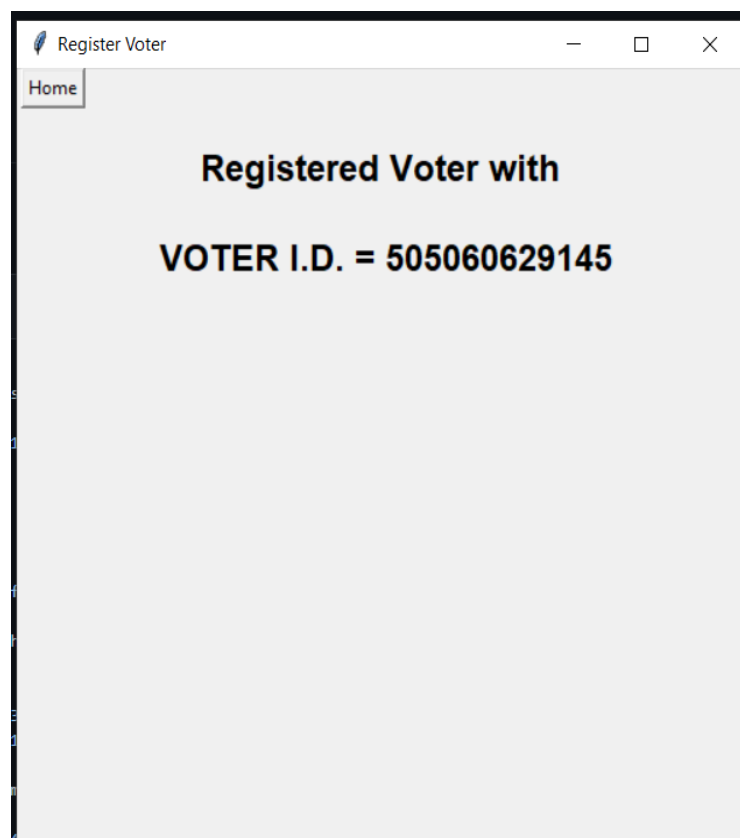
- Now the voter can register himself/herself with their unique ID - Aadhar Number.
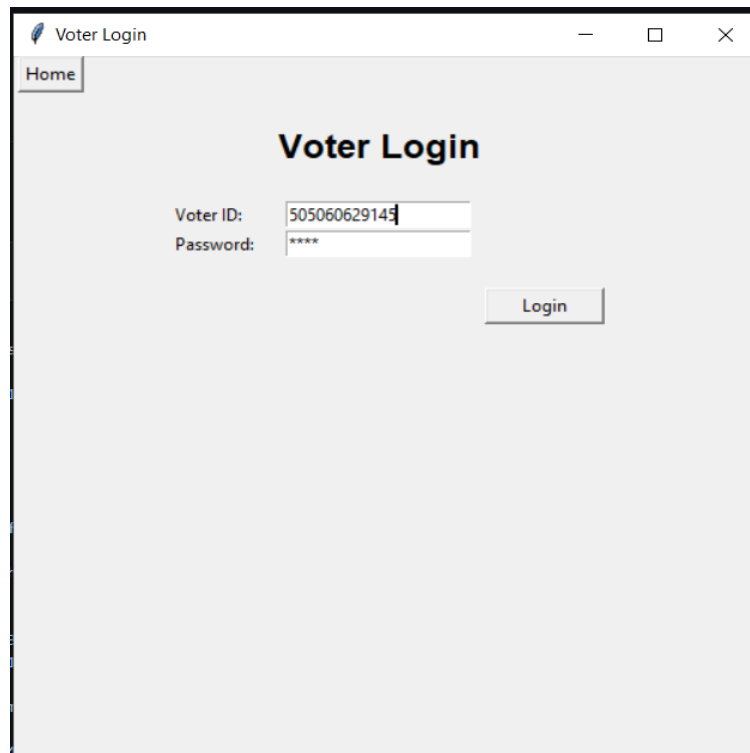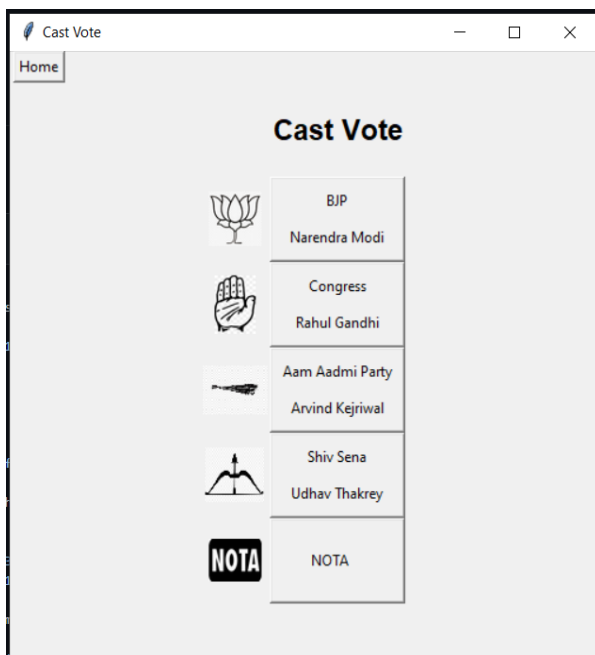
▪ Now the voter can login with its given credentials and caste vote.

Voter Login

Voter ID: 505060629145
Password: ****

Login

Cast Vote
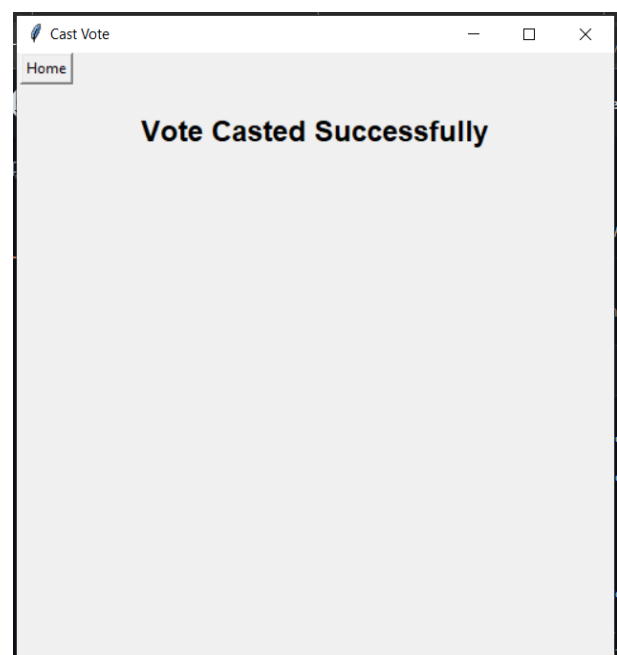
BJP
Narendra Modi

Congress
Rahul Gandhi

Aam Aadmi Party
Arvind Kejriwal

Shiv Sena
Udhav Thakrey

NOTA

Vote Casted Successfully

▪ Now, the admin can have a check on the total votes.
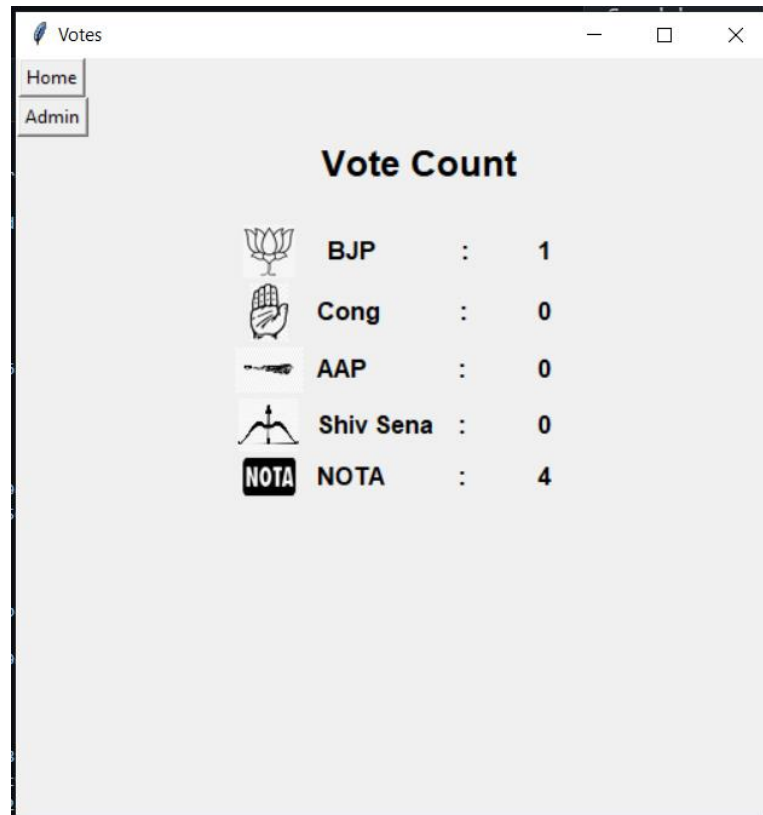
VOTERS LIST:

When the voters push the screens, data will be automatically stored on database. The main purpose for backup entire data, because there is a chance for server crash. Moreover, we ready & accept the risks to take over a online programming system.

1		voter_id	Name	Gender	Aadhar Number	City	Passw	hasVoted
2	0	112233445566	Anshuman	Male	112233445566	Bhubaneswar	anu	1
3	1	290520211630	Aishwarya	Female	290520211630	Pune	aishu	1
4	2	123456123456	Linu	Male	123456123456	TSBA	linu	1

CODE:

```python
import subprocess as sb_p

import tkinter as tk

from tkinter import *

from Admin import AdmLogin

import registerVoter as regV

from voter import voterLogin


def Home(root, frame1, frame2):
    for frame in root.winfo_children():
        for widget in frame.winfo_children():
            widget.destroy()
    Button(frame2, text="Home", command = lambda: Home(root, frame1,
frame2)).grid(row=0,column=0)
    Label(frame2, text="                                              ").grid(row = 0,column = 1)
    Label(frame2, text="                                              ").grid(row = 0,column = 2)
    Label(frame2, text="        ").grid(row = 1,column = 1)
    frame2.pack(side=TOP)
    root.title("Home")
    Label(frame1, text="Home", font=('Helvetica', 25, 'bold')).grid(row = 0, column = 1,
rowspan=1)
    Label(frame1, text="").grid(row = 1,column = 0)
    #Admin Login
    admin = Button(frame1, text="Admin Login", width=15, command = lambda: AdmLogin(root,
frame1))


    #Voter Login
    voter = Button(frame1, text="Voter Login", width=15, command = lambda: voterLogin(root,
frame1))
```

```python
    #New Tab
    newTab = Button(frame1, text="New Window", width=15, command = lambda:
sb_p.call('start python homePage.py', shell=True))
    registerVoter = Button(frame1, text="Register Voter", width=15, command = lambda:
regV.Register(root, frame1))
    Label(frame1, text="").grid(row = 2,column = 0)
    Label(frame1, text="").grid(row = 4,column = 0)
    Label(frame1, text="").grid(row = 6,column = 0)
    Label(frame1, text="").grid(row = 8,column = 0)
    admin.grid(row = 3, column = 1, columnspan = 2)
    voter.grid(row = 7, column = 1, columnspan = 2)
    newTab.grid(row = 9, column = 1, columnspan = 2)
    registerVoter.grid(row = 5, column = 1, columnspan = 2)
    frame1.pack()
    root.mainloop()


def new_home():
    root = Tk()
    root.geometry('500x500')
    frame1 = Frame(root)
    frame2 = Frame(root)
    Home(root, frame1, frame2)
if __name__ == "__main__":
    new_home()
```

REFERENCE:

- https://www.vetbossel.in/voting-system-project-python/