

ONLINE VOTING SYSTEM

You are to devise an online vote casting system using **TCP** multithreaded server-client program. The voters will log on from client systems and cast their votes. Note that:

One client can cast a vote ONCE AND ONLY ONCE.

A list of registered voters is available in a text file in the following format:

Name/CNIC number

System should be secure and should only allow clients with authentic name and CNIC to cast the vote.

The Server shall:

- First of all take the client's name and CNIC and match it with the content of the text file (Voters_List.txt).
- If the details match, then it will welcome the voter and **display the names and poll symbols of the candidates on the terminal.**(Candidates_List.txt)
- The voter will then cast the vote by **MENTIONING THE POLL SYMBOL (not the name) OF THE CANDIDATE. All these details are to be recorded in an output text file.**
- This system should work perfectly for **at least 5 different clients.**