

HomeWork-1

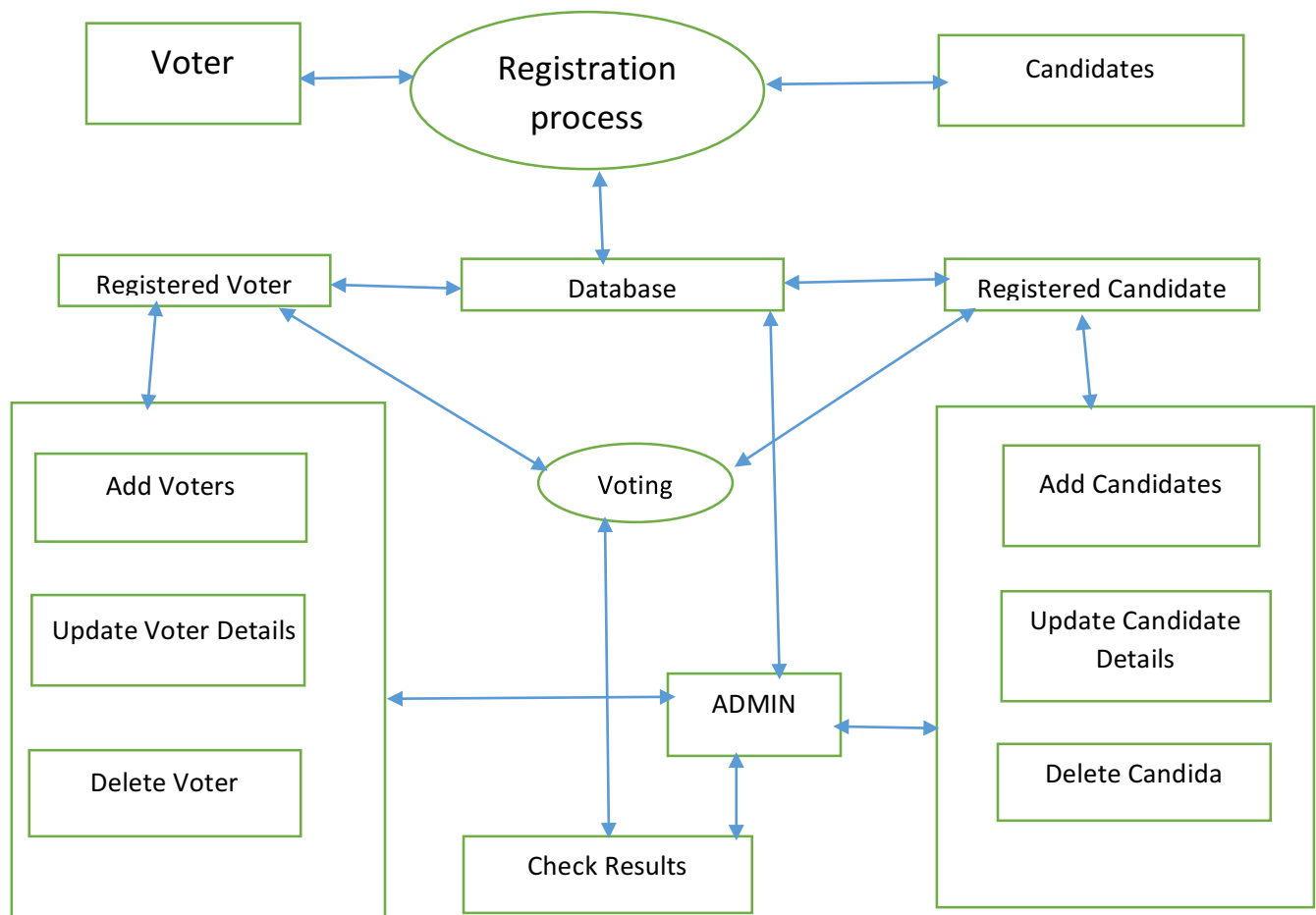
Team-1

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Voter: All Persons who votes

Registration: Registers the voters and candidates participating in the voting system

Candidate: All persons who gets voted

Database: Contains all person who are registered voters and candidates

Registered Voter: This Entity Has Add Voter, Update Voter Details, Delete Voter functionality

Registered Candidate: This Entity Has Add Candidate, Update Candidate Details, Delete Candidate

Voting: Register voter has to login with his credentials and votes to the Register Candidate

ADMIN: Admin manages the whole system. He can Add, Update, Delete voters and candidates and can check the winner.

Check Result: Has count of number of votes each candidate got and check the winner.

Architectural Style Used:

client/server architectural style suits best for this scenario.

Reason:

Because we are using online voting system. That means it should have a voting server to save the number of votes and client systems where voters vote to their favorite candidate. Here Client should be aware of the server whether the server is authentic or not.

Components:

Server 1: Authentication server. Used to verify voters' identity, and allow them to register if they are eligible, and also allow only one vote per voter.

Server 2: Voting server. Used to collect votes from voters, count number of votes for each candidate.

Client: the voter. Can only vote one time for one candidate. Once voters voted for a candidate, they cannot modify the vote.

Proxy: To prevent direct interaction between client and server.