Term Project 2 – Group Project
CMSE511 - Software Architecture
Fall Semester – 2022/2023

About the project

The project is a web-based *Election System*. The system should have the following features:

- Potential voters' registration platform; it should have restrictions for unqualified applicants.
- Candidate registration platform; it should be accessible to only approved party officers.
- Voting system; it should allow voting for registered voters only, and only on the day of election.
  - Voters may be able to vote for different offices at the same time, for example
    - President
    - Governor
    - Senator
  - There should be a multiple way of verifying voters
    - ID
    - Face biometrics
- Vote counting system; should count the votes automatically at the close of voting
- Vote Announcement; should send automatic results to candidates, parties and voters
- Region-based voting; this is when more than one but equal seats are being contested for, one per region. For example
    - Governor of Florida
    - Governor of California
    - Governor of Nevada
  - a voter should be able to choose one and only one region to partcipate in.
  - there should be an automatic region designation based on geographic location of the voter

- Vote verification system; in the case that there is conflict over the election result:
    - the system should be able to provide some details for manual counting
    - this should ensure voters' anonymity

Work Description

– This project will be carried out by the whole class. Each student will be assigned different parts of the project while the whole team will have the task of making all parts work perfectly.
– There will be grade for individual work and team work

Report

– **Front Page Sample**

<div style="border:1px solid #000; text-align:center">

CMSE511 - Software Architecture

Term Project 2 – Group Project

Topic

Team Members

Member1 ID, Name

Member2 ID, Name

Date

</div>

– **Project Discussion**
This should include all project details and diagrams, related to the software system requirements, the architectural design and views.
It should also include software implementation details and work distribution by all involved.

– **Conclusion/Remarks (1 – 2 pages)**
A short review of the project and its outcome. It may also include personal comments, problems faced and future work based on the project.

– **Text Style**
    - Font Type: Times New Roman

- o Font Size: 12
- o Spacing: 1.5
- o Justified

Presentation

Each group will present their work in class at the end of the semester.

- – Duration: Maximum of 20 minutes.

Report Deadline: January 2nd, 2023.