**U.S Electoral System Database Design and Analysis**

A database designed to identify the rogue voters in the U.S

**Problem statement:**

The US presidential elections take place every 4 years. These elections happen over a span of one year. Primary elections and caucuses are held by each state to select delegates who form a part of an electoral college that in turn decide on which candidate wins the election. With emerging technology and increase in population, there is a need to track the process and manage the enormous amount of data that is created for advertising, campaigning, funding, and also recording voter’s data.

The scope of this database system is to manage information regarding the candidates, the voters, and the electoral college.

This system will contain 4 models, namely,

1. Voter information including a background check This would check for people who can vote and cannot vote for the primary or caucuses according to the state’s criteria. Eg. the person needs to be above 18 years of age, not currently in prison or on parole for a felony conviction (in certain states), should be a citizen of US.
2. Candidate information Our database will contain all the past and present information on the candidate running for election
3. Campaign information including social media This database will keep an account of the funds allocated for the party campaigns which take place either through social media, television, news broadcast etc
4. Electoral College During the primary elections, people vote for delegates who in turn select a president. This database will contain all the information about the delegates that people will be voting for.

**Project Objective:**

1. Avoiding rogue voters
2. Tracking the data for the election administration to ensure smooth and faster processing of the elections

**Files:**

1. Business Rules
2. ERD diagram
3. US Electoral Data Zip file
4. US Electoral System Zip file has SQL scripts and Report