**Final Report**

# Title

Political Database of the 2016 Presidential Campaign

# Author Identification

# Salman Quraishi – [SQuraishi13@winona.edu](mailto:SQuraishi13@winona.edu)

# Amir Hossain – [AmHossain14@winona.edu](mailto:AmHossain14@winona.edu)

# Date of Final Implementation – 5/3/16

# Roles Each Team Member Plays

# Salman Quraishi – Early Development, Design Planning, Modeling, Final ERD, Research, Gathering Data, Grouping Data, SQL, Query Testing, Final Report

# Amir Hossain – Pre-Development, First ERD, Research, Data Insertion/Inputting, Testing Relations, Project Finalization, Error Elimination.

# Summary of Project

# A political database that contains the details of the 2016 Presidential Campaign. It includes names of the candidates along with all their details including but not limited to date of birth, party, residence, and other background details. It also contains details about each campaign such as its launch date and campaign manager. Since there are a series of issues, our database contains various issues groups categorically and various details that accompany the issues themselves. The motivation of creating such a database, is due to the lack of one and the need for one. There is not really a concise and interactive database which intuitively highlights each issue and a candidate’s stance on it. All political websites use a similar layout where there is either a candidate by candidate basis or some other manner which is difficult for the user to obtain the information they wish. Thus we ventured to create such a database which will allow a use to specify the information they want and it will be presented in a nice manner. Our goal was to create a comprehensive and intuitive database which makes it easy for a user to determine where a candidate stands on an issue or any other detail about an issue.

# Data

The data used is a series of information across several political websites. All data was then subsequently cross-referenced to obtain accurate data then pooled together and used in conjunction within the database.

# Design

# 

**List of Relations**

Candidate(c\_id int, name varchar(45), DOB date, gender varchar(45), religion varchar(45), profession varchar(45), politicalexperience varchar(45), professionalexperience varchar(65), residence varchar(45), almamater varchar(45), networth varchar(45), birthplace varchar(45), partyname varchar(45), launchdate date, datejoined varchar(45));

campaign(launchdate date, total\_raised varchar(45), total\_delegates int, campaign\_manager varchar(45))

party(partname varchar(45), established varchar(45), partyleader varchar(45), membercount varchar(45));

candidate\_issues(c\_id int, policy varchar(45), stance varchar(45), stancedetail varchar(120));

military(militaryissues varchar(45), description varchar(100));

DrugEnforcement(DEIssues varchar(45), public\_solutions varchar(100));

Criminaljustice(crime\_issues varchar(45), public\_opinion varchar(100));

Foreignpolicy(foreign\_issues varchar(45), public\_opinion varchar(100), region varchar(45));

Civilrights(civil\_issues varchar(45), public\_opinion varchar(100));

Environment(env\_issues varchar(45), public\_opinion varchar(100));

SocialIssues(social\_issues varchar(45), publicopinion varchar(100));

Healthcare(hc\_issues varchar(45), public\_opinion varchar(100));

Homelandsecurity(dhs\_issues varchar(45), public\_opinion varchar(100));

Immigration(immigration\_issues varchar(45), public\_opinion varchar(100));

Economy(econ\_issues varchar(45), public\_opinion varchar(100));

# Use Cases

# Our database solves many issues, for one the average citizen has a difficult time in determining the candidate they want to vote for. Another issue is for people to determine various details of an issue, most will not spend time scouring various sources to find the information they need and thus will either never find the information or it will not be accurate. Thirdly our database makes it easy to find specific concise data but is also comprehensive enough to fulfill the needs of the user.

# For example if we wanted to find the campaign managers of running Republican candidates for the 2016 election, we can simple query:

# Select names, campaign\_managers

# From candidate natural join campaign

# Where partyname = ‘Republican’;

# Or if we wanted to find the name, age, party, alma mater, and religion of a candidate

# We can query:

# select name, ROUND((current\_date()-DOB)/10100) as age, partyname, almamater,

# religion

# from candidate;

# Or if we wanted to find candidates stance on only social policies

# We can query:

# select name, policy, stance

# from candidate natural join candidate\_issues natural join socialissues

# where policy = social\_issues;

# Or if we wanted to find candidates’ stance on abortion

# We can query:

# select name, stance

# from candidate natural join candidate\_issues

# where policy = 'abortion';

# Or if we wanted to find Republican Candidates and their campaign managers

# We can query:

# select name, campaign\_manager

# from candidate natural join campaign

# where partyname = 'Republican';