Election Tracker Requirements Document

Requirements for the program

General

The program shall store lists of active elections, inactive elections, active contests, inactive contests, counties, active candidates, inactive candidates, active political parties, and inactive political parties.

The program shall provide dialogs for adding, editing, and deleting elections, contests, counties, candidates, and political parties.

The program shall display a main menu for ‘File’, ‘Insert’, ‘Reports’, and ‘Help’.

The program shall display a dialog for entry of votes for an election.

The program shall be able to associate contests with elections.

The program shall be able to associate counties with contests.

The program shall be able to associate candidates with contests.

The program shall generate reports for county information, contest information, election information, and election votes.

Election

An election shall contain a date, contests, candidates, counties, notes, and active status.

The program shall display a dialog for editing election data.

Contest

A contest shall contain a name, notes, and a list of counties.

The program shall display a dialog for editing the contest data.

County

A county shall contain a name, number of reporting units, phone numbers, web site addresses, notes, attributes, counties, and candidates.

The program shall display a dialog for editing the county data.

Candidate

A candidate shall contain a first name, middle name, last name, political party, notes, and active status.

The program shall display a dialog for editing the candidate data.

Political Party

A political party shall contain a name, abbreviation, and active status.

The program shall display a dialog for editing the candidate data.

File Menu

The file menu shall contain options for server connection properties.

The file menu shall contain an ‘Exit’ option.

Insert Menu

The insert menu shall contain options for inserting elections, candidates, contests, counties, political parties, and voting results.

Reports Menu

The reports menu shall contain options for viewing reports of County Contact Listings, Contest Vote Summaries, Election Proofing Sheets, Election Quick Scan Sheets, and Vote Tally Sheets.

Help Menu

The help menu shall contain options for displaying the help system and the ‘About’ dialog.

Requirements for the User

General

The user shall be able to select ‘Active Elections’, ‘Inactive Elections’, ‘Counties’, ‘Active Candidates’, ‘Inactive Candidates’, ‘Active Contests’, ‘Active Political Parties’, or ‘Inactive Political Parties’.

The user shall be able to edit elections, contests, candidates, counties, and political parties.

The user shall be able to enter votes for an election.

Election

The user shall be able to insert a new election into the system.

The user shall be able to display a list of ‘Active’ or ‘Inactive’ elections.

The user shall be able to select ‘Active’ or ‘Inactive’ election lists.

The user shall be able to select an election from the current list of elections.

Using the election dialog, the user shall be able to:

* Change the status of an election to ‘Active’ or ‘Inactive’
* Choose a date for the election
* Associate contests with an election
* Associate counties with a contest
* Set the number of Reporting Units for a county
* Associate candidates with a contest
* Clear votes for the contest
* Save changes to an election
* Undo changes to the election
* Delete the election
* Add a new election

Contest

The user shall be able to insert a new contest into the system.

The user shall be able to display a list of ‘Active’ or ‘Inactive’ contests.

The user shall be able to select ‘Active’ or ‘Inactive’ contest lists.

The user shall be able to select a contest from the current contest list.

Using the contest dialog, the user shall be able to:

* Change the contests ‘Active’ and ‘Final’ status
* Edit the counties name and notes
* Associate counties with the contest
* Edit the number of reporting units for each county in the contest
* Save changes to the contest
* Undo changes to the contest
* Delete the contest
* Add a new contest

Candidate

The user shall be able to insert a new candidate into the system.

The user shall be able to display the list of ‘Active’ or ‘Inactive’ candidates.

The user shall be able to select ‘Active’ or ‘Inactive’ candidate lists.

The user shall be able to select a candidate from the current candidate list.

Using the candidate dialog, the user shall be able to:

* Change the candidates ‘Active’ status
* Edit the candidates first name, middle name, and last name, and notes
* Chose the candidates political party from the list of political parties
* Save changes to the candidate
* Undo changes to the candidate
* Delete the candidate
* Add a new candidate

County

The user shall be able to insert a new county into the system.

The user shall be able to display the list of counties.

The user shall be able to select a county from the list of counties.

Using the county dialog, the user shall be able to:

* Edit the county name, notes, number of reporting units, phone numbers, web site addresses, and attributes
* Save changes to the county
* Undo changes to the county
* Delete the county
* Add a new county

Political Party

The user shall be able to insert a new political party into the system.

The user shall be able to select and display the ‘Active’ or ‘Inactive’ political parties.

The user shall be able to select a political party from the current list.

Using the political party dialog, the user shall be able to:

* Edit the name, abbreviation, and active status
* Save changes to the political party
* Undo changes to the political party
* Delete the political party
* Add a new political party

Voting Results

The user shall be able to select an election.

The use shall be able to select a county in an election.

The user shall be able to enter the number of units reporting for a county.

The user shall be able to enter the number of votes for a candidate in a county.

Reports

The user shall be able to generate and print reports for County Contact Listings, Contest Vote Summaries, Election Proofing Sheets, Election Quick Scan Sheets, and Vote Tally Sheets.

Help

The user shall be able to view an ‘About’ dialog which will contain information about the program.

The user shall be able to view a ‘Help’ dialog which will contain information about using the program.