Edits and changes made to original design:

AuditLog:

1. Added a second write_to_file() with no parameters. This uses an already known directory and file path for simpler function calling.

2. The original write_to_file(string) changed to write_to_file(directory, string)

ElectionData:

1. break_tie changed to public

2. Added # std::vector<Party*> parties;

3. Removed virtual from sort_parties

4. Added: virtual void add_audit_header() = 0;

5. Break_tie changed to public and now returns std::vector<int>

6. Changed constructor to : ElectionData(std::vector<Party*> parties, int total_seats, int total_ballots, int quota);

OPLElectionData:

1. Calculate_winners now protected

2. Added # void add_audit_header();

3. Changed to the constructor OPLElectionData(std::vector<Party*> parties, int total_seats, int total_ballots);

4. Removed display()

CPLElectionData:

1. calculate_winners changed to protected

2. Added # void add_audit_header();

3. Changed to the constructor CPLElectionData(std::vector<Party*> parties, int total_seats, int total_ballots);

4. Removed display()

ElectionDataParser:

1. Made all methods public

2. Changed candidate datatype in create_OPL_candidates, assign_votes_to_candidates, and create_OPL_parties from OPLCandidate* to Candidate*

3. Change party return datatype in create_CPL_parties and assign_votes_to_parties from CPLParty* to Party*

Candidate:

1. Added protected variable num_votes

2. Added get_num_votes() and set_num_votes(int num)

3. Added compare_ptr_to_candidates(Candidate* c1, Candidate* c2) to compare the number of votes two candidates received.

OPLCandidate: No changes

CPLCandidate: No changes

Party:

1. Added protected vector of Candidate objects

2. Added protected variable total_votes

3. Party constructor includes the vector of candidates

4. Added get_candidates()

5. Added to_string

6. Added sort_candidates function which sorts candidates by the number of votes they received.

7. Added compare_ptr_to_Party() which compares two parties to see which one received more votes.

OPLParty: No changes

CPLParty: No changes