PBI for Sprint Backlog (Priority Ordered)

PBI 1.1

As an election official,

I want to be able to run an IR election and get the winner

So that the election process is efficient.

Acceptance Criteria:

I'm able to run my IR election

I'm able to see the winner

Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines. The correct winner is thoroughly tested and outputted correctly

Effort: Medium

PBI 12

As an election official,

When there is a tie, I want it to be handled fairly like a coin toss,

So that there is fairness in the election.

Acceptance Criteria:

I'm able to see that there was a tie.

There is only one winner and not multiple in the case of a tie.

Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines. The winner is thoroughly tested and no bias results from tiebreakers.

Effort: Small

PBI 11

As an election official, I want to assign the remaining seats after the first round of allocation to other parties randomly, so all seats will be filled at the end of the election.

Acceptance Criteria:

I am able to see when there's empty seats. All the empty seats are allocated. There is no missing seats at the end of the election.

Definition of Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines. The remaining seat are assigned to the parities randomly

Effort:

Small

PBI 10

As an election official,

I want the program to read correctly of the list of candidates from the .csv file that is entered

Acceptance Criteria:

List of candidates was shown correctly.

There is a space instead of a newline between each candidate in the file

Definition of Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines.

Effort:

Small

PBI 3

As an election official, I want an audit file named by the election's details so I can easily identify my output and satisfy the secretary of state.

Acceptance Criteria:

An audit file is produced at the end of the election.

The audit file is correctly named other than a generic name.

Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines. Multiple .csv files are run and the resulting adult file produced for each.

Effort:

Small

PBI 6.1

As an election official,

I will receive multiple files from different polling locations and would like to bring that in

So that the process is efficient.

Acceptance Criteria:

I'm able to bring in multiple files instead of one.

I'm prompted to bring in another file if I have any more.

Definition of Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines.

Effort:

Small

PBI 6.2

As an election official,

The files brought in successions should contain the same election information

So that the election conducted is consistent.

Acceptance Criteria:

I'm aware of the files conflict with each other.

The files were able to be read and processed.

Definition of Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines.

Effort:

Small

PBI 6.3

As an election official,

I have many multiple files from different polling locations and would like to conduct an IR election with them, so that the election is processed smoothly and efficiently.

Acceptance Criteria:

The files inputted were processed and I can get the results.

I can see who won the election.

Definition of Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines.

Effort:

Medium

PBI 6.4

As an election official,

I have many multiple files from different polling locations and would like to conduct a CPL election with them, so that the election is processed smoothly and efficiently.

Acceptance Criteria:

The files inputted were processed and I can get the results.

I can see who won the election.

Definition of Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines.

Effort:

Medium

PBI 9

As an election official,

I want to be able to view a table at the end of the IRV election showing each round and the candidate's vote count changes. So, I can see the candidate's vote count changes.

Acceptance Criteria:

At the end of the IRV election, I can see the table that shows each round of the election and the vote count changes for each candidate in that round. The table shows the correct stats.

Definition of Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines.

Effort:

Medium

PBI 4

As an election official,

I want to be able to enter a PO election ballot in the form of a .csv file into the program so that I can run the election.

Acceptance Criteria:

The program can find an input PO.csv file and read successfully.

The program starts the fully-functional election system to get the results.

Definition of Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines. PO Ballot is successfully recorded.

Effort:

Small

PBI 2.1

As an election official,

I want the program to handle a PO election

So that the election can be processed efficiently.

Acceptance Criteria:

I'm able to run a PO election

I'm able to see the winners

Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines. The correct winner is thoroughly tested and outputted correctly

Effort: Medium

PBI 2.2

As an election official,

If there's a tie in the PO election, I want it to be handled fairly

So the election was just.

Acceptance Criteria:

I'm able to run a PO election

I'm able to see the winners

Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines. The winner is thoroughly tested and no bias results from tiebreakers.

Effort: Small

PBI 2.3

As an election official,

I want an audit file produced with the PO election,

So I can satisfy the secretary of state.

Acceptance Criteria:

I'm able to run a PO election.

I'm able to get an audit file from the resulting election.

Done:

Unit testing passed. Integration testing passed. Documentation recorded. Verify compilation on CSE labs machines and on personal machines. Correct audit file produced.

Effort: Small