PBI 3: As an Election Official,

I want to be able to run a PO election,

so that we can use this type of election because the secretary of state has

determined that we will run PO elections in the future.

Acceptance Criteria: A PO election is properly run and a single winner is chosen.

Fair coin toss is used to break ties.

Definition of Done: PO election is run without error, correct information is

displayed to the screen via the GUI, and correct information is included in the

audit/media files. This does not break other election types. Documentation is

present for all functions. The code passes all unit tests.

Effort: Extra Large (10hrs)

PBI Author(s): Trevor, Cole, Tom, Ioana

PBI 4: As an election official,

I want to see the PO results in a format that I can understand,

so that constituents who voted know how well their candidate did in the election.

Acceptance Criteria: PO stats will be displayed to the screen.

Definition of Done: The percentage of votes each candidate received will be

displayed on the screen. Documentation is present for all functions. The code

passes all unit tests.

Effort: Small (<1 hr)

PBI Author(s): Trevor, Cole, Tom, Ioana

PBI 6: As an election official,

I want a screen to show where I can input the election file(s),

so it is easier for me to use.

Acceptance Criteria: The software must be able to have GUI to intake election

files.

Definition of Done: A GUI pops up for a user to be able to input an election file,

the file is processed correctly, and the election is aggregated correctly.

Documentation is present for all functions. The code passes all unit tests.

Effort: Small (<1 hr)

PBI Author(s): Trevor, Cole, Tom, Ioana

PBI 8: As an election official,

I want to be able to see the invalidated ballots,

so we can ensure a fair election.

Acceptance Criteria:

All invalidated ballots are added to a file for audit purposes.

Definition of Done: When a file is invalidated, it is written to a new file, named invalidated_dateofelection.xxx, that is created. Documentation is present for all functions. The code passes all unit tests.

Effort: Medium (<2 hr)

PBI Author(s): Trevor, Cole, Tom, Ioana

PBI 9: As an election official,

I want to see the IRV results in a format that I can understand,

so that I can explain to news agencies how the election took place.

Acceptance Criteria: IRV stats will be displayed to the screen in a tabular format.

Definition of Done: The table displayed to the screen is correct, and matches the format shown in the project write up, and shows the correct steps taken in the IRV election. Documentation is present for all functions. The code passes all unit tests.

Effort: Large (<5 hr)

PBI Author(s): Trevor, Cole, Tom, Ioana

PBI 10: As an election official,

I want a report,

so I can give it to election certification officials.

Acceptance Criteria: The report should only have the date, type of election, IR

or OPL, the candidates, the number of seats, and the winner(s) of the election.

Definition of Done: The correct file is generated and it has a unique identifier.

Documentation is present for all functions. The code passes all unit tests.

Effort: Small (<1 hr)

PBI Author(s): Trevor, Cole, Tom, Ioana