

Name: PBI_004
As an Election Official I want an election that determines a single winner based on a candidate receiving the most ballots
Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete) <ul style="list-style-type: none"> • PO Elections can be run and produce results • Ties are resolved with a fair coin flip
Definition of Done (what is required by the team before sending out for review) <ul style="list-style-type: none"> • Unit, integration, and system tests are completed • Documentation complete • Testing log and bug log are updated • Code compiles
Effort: <ul style="list-style-type: none"> • Large
PBI Author(s) <ul style="list-style-type: none"> • Alex

Name: PBI_005
As an Election Official I want to tabulate PO ballots by inputting a .csv file
Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete) <ul style="list-style-type: none"> • PO election is run with a .csv input • PO election successfully runs
Definition of Done (what is required by the team before sending out for review) <ul style="list-style-type: none"> • Unit and Integration tests are complete • Documentation is added accordingly • Testing log and bug log are updated • Code compiles
Effort: Small
PBI Author(s); <ul style="list-style-type: none"> • Alex • Nikhil

Name: PBI_006
As an Election Official I want to see statistics displayed at the end of a PO election So that I know who won and lost.
Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete) <ul style="list-style-type: none"> Each candidate shows percentage of votes at election termination
Definition of Done (what is required by the team before sending out for review) <ul style="list-style-type: none"> Unit and Integration tests are complete Documentation is added accordingly Testing log and bug log are updated Code compiles Refactoring complete (existing codebase)
Effort: Small
PBI Author(s); <ul style="list-style-type: none"> Alex Nikhil

Name: PBI_008
As the user, I need a GUI to prompt me for the filename, so that the process is more intuitive and any election official could use it
Acceptance Criteria: <ul style="list-style-type: none"> A GUI has been created The user can use the GUI to grab the correct ballot file
Definition of Done: <ul style="list-style-type: none"> GUI code is complete GUI code is fully documented to doxygen standards Unit and integration tests are complete Testing log and bug log are updated Code successfully compiles and runs
Effort: Large
PBI Author(s): Peter Linden

Name: PBI_010
As a local election official, I need a method of storing the ballot data for all invalidated ballots for audit purposes

<p>Acceptance Criteria:</p> <ul style="list-style-type: none"> - A file with the format <invalidated_dateofelection.xxx> has been created - All invalidated ballots from the current election will be added to the above file
<p>Definition of Done:</p> <ul style="list-style-type: none"> • File can be created correctly • Documentation of code is enumerated • Unit testing of edge cases is developed • System/integration testing is complete • Testing and bug logs are updated • Code compiles
Effort: Small
PBI Author(s): Peter Linden

Name: PBI_011
As an election official I would like the handling of IR elections to include a table of results at the end so that the overall movement of votes can be tracked visually as per the IR methodology
<p>Acceptance Criteria:</p> <ul style="list-style-type: none"> • A table is displayed after the election is counted • This table displays the changes for each round, i.e. the votes removed and added from/to each candidate
<p>Definition of Done:</p> <ul style="list-style-type: none"> • Code functionality is complete • Documentation of code is up to standards • Unit and integration testing is fully implemented • Testing and bug logs are updated • Code compiles
Effort: Medium (based off existing data, just needs effort to be formatted correctly)
PBI Author(s): Peter Linden

Name: PBI_012
As an election official I would like an additional post-election report that I can give to election certification officials so that they can certify the basics of the election
<p>Acceptance Criteria:</p> <ul style="list-style-type: none"> • Post-election report is generated • Report contains all the listed requirements: date, type of election, candidates # of seats, and winners.

Definition of Done:

- Code is properly documented
- Unit and integration tests are completed
- Testing and bug logs are updated
- Code compiles

Effort: Small

PBI Author(s): Peter Linden