

Note: PBI numbers will appear out of order. This is because the PBIs whose numbers are missing have been completed at this time, and hence will not appear on this document.

PBI 2:

As an election official I want to be able to run a popularity only election in addition to the other election types So that I can run elections of this type as required by the state's attorney.
Acceptance Criteria The election is fair, any ties are broken via coin toss, and the popularity only election algorithm is implemented properly.
Definition of Done The acceptance criteria have been met and validated via unit and system testing, and documentation has been produced to accompany the code.
Effort: Large
PBI Author(s): Sean Carter, Jack Soderwall, Conor Brown, Joe Cassidy

PBI 4:

As an election official I want to see the stats from a PO election displayed to the screen with each candidate's percentage of votes. So that I know who won and who lost and so that voters can know how well their candidate did in the election.
Acceptance Criteria Stats must be displayed to the screen, and these stats must include winners and losers as well as percentages of votes for each candidate.
Definition of Done The code works as intended, and has been thoroughly tested via unit and system testing, and documentation has been produced to accompany the code.
Effort: Small

PBI Author(s): Sean Carter, Jack Soderwall, Conor Brown, Joe Cassidy

PBI 6:

<p>As an election official I want a GUI as opposed to a text prompt So that I can easily maneuver through the file system in order to find necessary files rather than having to know things such as file paths or names off of the top of my head.</p>
<p>Acceptance Criteria</p> <p>The election official is able to successfully enter filename(s) through the GUI interface. The election official can browse for files on the disk via mouse and keyboard.</p>
<p>Definition of Done</p> <p>The GUI compiles without errors and can successfully enter files into the system. Additionally, the code has been thoroughly tested and documentation has been produced to accompany the code.</p>
<p>Effort: Extra Large</p>
<p>PBI Author(s): Sean Carter, Jack Soderwall, Conor Brown, Joe Cassidy</p>

PBI 8:

<p>As an election official I want the invalidated ballots stored in a file So that if elections are audited, we have a clear documentation of which ballots were invalidated and when.</p>
<p>Acceptance Criteria</p> <p>An audit file is created with all of the invalidated ballots listed</p>
<p>Definition of Done</p> <p>The acceptance criteria have been satisfied, and the code has been thoroughly tested and refactored via unit and system testing, and documentation has been produced to accompany the code.</p>

Effort: Medium

PBI Author(s): Sean Carter, Jack Soderwall, Joe Cassidy, Conor Brown

PBI 9:

As an election official
I want the progression of an IR election to be displayed as a table at the end of the election
So that I have a clear, concise, and visual representation of the election, rather than having to parse through dense audit files to gain this understanding.

Acceptance Criteria

The table is displayed to the screen, election statistics are displayed for each round, statistics include votes gained by round, vote totals for each round, and clearly show when candidates are eliminated. The table should also be easy to read, and likely color coded.

Definition of Done

Code is thoroughly tested via unit and systems testing, and proper documentation has been produced to accompany the code.

Effort: Large

PBI Author(s): Sean Carter, Joe Cassidy, Jack Soderwall, Conor Brown

PBI 10:

As an election official
I want a report file containing general election statistics
So that I have a printable version of election statistics to give to election certification officials.

Acceptance Criteria

General election statistics are written to a file, this file is printable, and the election statistics include the date, election type, candidates, number of seats, and winners of the election. There should also be no unnecessary information on this report.

Definition of Done

The acceptance criteria are implemented and have been verified via unit and system testing,

and documentation has been created for the code.

Effort: Small

PBI Author(s): Sean Carter, Joe Cassidy, Jack Soderwall, Conor Brown