

<p>As a Product Owner</p> <p>I want correctly formatted buglist</p> <p>So that the developers can keep track of bugs in a consistent way.</p>
<p>Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete):</p> <p>The product owner and developers must deem the bug list format suitable.</p>
<p>Definition of Done (what is required by the team before sending out for review):</p> <p>Change the buglist so that it matches the template given in the project description.</p>
<p>Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed:</p> <p>Small</p>
<p>PBI Author(s):</p> <p>Varun Reddy</p>

<p>As a Product Owner</p> <p>I want multiple way ties to be determined fairly</p> <p>So that the outcome of the elections can not be swayed by the order of which the candidates is listed.</p> <p>Note: This will need to be implemented for both IR and OPL elections</p> <p>Do not create tasks at this time.</p>
<p>Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete):</p> <p>The product owner, testers, and election officials deem the elections to be run fairly</p>
<p>Definition of Done (what is required by the team before sending out for review):</p> <p>There is new code to determine a tie between candidates. Along with this new code, there is the necessary documentation that goes along with it. The Election class passes all current unit and system tests. On top of that, there are new unit tests to ensure that the new tie breaking architecture is fairly calculating the winner of elections.</p>
<p>Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed:</p> <p>Medium</p>
<p>PBI Author(s):</p> <p>Jonathan Leibovich</p>

<p>As an Election Official</p> <p>I want a Popularity Only voting option</p> <p>So that I can find the results of Popularity Only voting elections.</p>
<p>Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete):</p> <p>VCS can summarize the results of an election using the PO algorithm option. Ties are handled with a coin flip.</p>
<p>Definition of Done (what is required by the team before sending out for review):</p> <p>Testing to ensure functionality of OPL and IR is not affected. Passes system and unit testing. Can run 100,000 ballots in under 8 minutes. Documentation updated.</p>
<p>Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed:</p> <p>Medium</p>
<p>PBI Author(s):</p> <p>Tanner Skluzacek</p>

<p>As an Election Official</p> <p>I want to be able to pass in a formatted csv for Popularity Only election</p> <p>So that the results can be calculated.</p>
<p>Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete):</p> <p>Correctly loads in the data from the csv and does not throw any errors.</p>
<p>Definition of Done (what is required by the team before sending out for review):</p> <p>Passes system and unit testing. Documentation is updated.</p>
<p>Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed:</p> <p>Small.</p>
<p>PBI Author(s):</p> <p>Tanner Skluzacek</p>

<p>As an Election Official I need to be able to see the stats of the PO election So that the election can be validated.</p>
<p>Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete):</p> <p>Display stats to screen with winners and losers and their percentages. Display is well-formatted and easy to follow.</p>
<p>Definition of Done (what is required by the team before sending out for review):</p> <p>Passes unit and system testing. Proper documentation is created and updated. Results are printed to the terminal. Printed stats are correct.</p>
<p>Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed:</p> <p>Medium</p>
<p>PBI Author(s):</p> <p>Tanner Skluzacek</p>

<p>As an Election Official I want a GUI to bring in a file So that I can type or browse for the file in a popup window</p>
<p>Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete):</p> <p>The product owner deems the GUI functional for inputting the file</p>
<p>Definition of Done (what is required by the team before sending out for review):</p> <p>A GUI appears to take in the file information</p>
<p>Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed:</p> <p>Large</p>
<p>PBI Author(s): Tobias Moszer</p>

<p>As an Election Official</p> <p>I want to bring multiple files into the system instead of a single file for a single election</p> <p>So that I can bring in different files from different balloting locations.</p>
<p>Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete):</p> <p>The media official deems they can bring in multiple file into the system, and the application runs the election simulation correctly.</p>
<p>Definition of Done (what is required by the team before sending out for review):</p> <p>The application is able to transition from file to file and count the data when given multiple files. Also the election must produce proper results when tested with multiple files.</p>
<p>Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed: Small</p>
<p>PBI Author(s):</p> <p>Varun Reddy</p>

<p>As a Election Official</p> <p>I want ballots to be invalidated if they don't have at least half of the candidates ranked</p> <p>So that an IR election follows the guidelines set by state officials.</p> <p>Note: "half" of the candidates is rounded up from .5 or above to the next higher integer value. Example: if there are 7 candidates then at least 4 candidates must be ranked.</p>
<p>Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete):</p> <p>The testers and election officials deem the IR elections to be run fairly using the display winners. This includes them checking to make sure the correct ballots have been invalidated using the audit file</p>
<p>Definition of Done (what is required by the team before sending out for review):</p> <p>The new invalidating ballots architecture has been implemented for IR Elections. Along with this new code, the necessary documentation must also be included. The Election class passes all current unit and system tests. On top of that, there are new unit tests to ensure that the correct ballots are being invalidated.</p>
<p>Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed:</p> <p>Medium</p>
<p>PBI Author(s): Jonathan Leibovich</p>

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As an Election Official I want an audit file for invalidated ballots So that we can ensure that the correct ballots are being invalidated
Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete): The Election Officials look are satisfied with the invalidated ballots audit file for any particular election.
Definition of Done (what is required by the team before sending out for review): When a ballot gets invalidated, it should be added to an audit file using newly built architecture. Along with this new code, the necessary documentation must also be included. The Election class passes all current unit and system tests.
Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed: Small
PBI Author(s): Jonathan Leibovich

As an election official I want to see a table at the end of the IR election that shows each round of voting So that I can see how the IR election progressed
Acceptance Criteria (conditions that have to be fulfilled to ensure the story is complete): The election official sees the table at the end of the election which displays vote changes for candidates from round to round.
Definition of Done (what is required by the team before sending out for review): The application displays a table at the election which shows the voting progression of an IR election simulation. Tester must deem that the table matches their own calculations of how the election is supposed to progress.
Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed: large

PBI Author(s): Varun Reddy