

Backlog Items			
Previous project PBIs		PBI001	
<div> <p><i>As an election official</i></p> <p>I want the IRV and OPL elections to run as expected</p> <p>So that they don't have to be performed manually, and both output the expected results so I don't worry.</p> <p><i>Note: We are interested in functionality and not the individual tasks for the PBI. Do not create tasks at this time.</i></p> </div>			
<div> <p><b>Acceptance Criteria:</b> (conditions that have to be fulfilled to ensure the story is complete)</p> <ul style="list-style-type: none"> <li>- There is a valid input file               <ul style="list-style-type: none"> <li>- Valid ballots for given election</li> <li>- Valid header</li> </ul> </li> <li>- If invalid input file, handles the process correctly</li> <li>- Unbiased tie breaker</li> <li>- Majority wins</li> <li>- Saves, but ignores invalid ballots</li> </ul> </div>			
<div> <p><b>Definition of Done:</b> new code is thoroughly tested, documented, and working via system/integration testing and unit testing</p> </div>			
<div> <p><b>Effort:</b> Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed</p> <p>Medium   I think they run correctly, but we need to test.</p> </div>			
<div> <p><b>PBI Author(s):</b> Tanner, Charlie, Haneesha, Caleb</p> </div>			
Multiple files		PBI003	
<div> <p><i>As an election official</i></p> <p>I want to be able to bring in multiple files for the same election</p> <p>So that different files can be brought in from different ballot locations</p> <p><i>Note: We are interested in functionality and not the individual tasks for the PBI. Do not create tasks at this time.</i></p> </div>			
<div> <p><b>Acceptance Criteria:</b> (conditions that have to be fulfilled to ensure the story is complete)</p> <ul style="list-style-type: none"> <li>- Valid input files (CSV files)               <ul style="list-style-type: none"> <li>- Valid ballots for given election</li> <li>- Valid header</li> </ul> </li> <li>- If invalid input file, handles correctly</li> </ul> </div>			
<div> <p><b>Definition of Done:</b> (what is required by the team before sending out for review)</p> <ul style="list-style-type: none"> <li>- Code fully functioning and documented</li> <li>- Merges all files into an input for the given election</li> </ul> </div>			
<div> <p><b>Effort:</b> Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed</p> <p>Small</p> </div>			
<div> <p><b>PBI Author(s):</b> Tanner, Charlie, Caleb, Haneesha</p> </div>			

IRV invalidated ballots		PBI006
<p><i>As an election official</i></p> <p>I want the IRV ballots to have at least half the candidates ranked for the valid ballots. The Ballots will not be invalidated at the point of collection but will be invalidated when the election is run. So that invalidated ballots are removed from the election and a file is created that stored the Invalidated ballots for audit purposes</p> <p><i>Note: We are interested in functionality and not the individual tasks for the PBI. Do not create tasks at this time.</i></p> <p><b>Acceptance Criteria:</b> (conditions that have to be fulfilled to ensure the story is complete)</p> <ul style="list-style-type: none"> <li>- IRV election runs properly</li> <li>- 0.5 or above is rounded to the next higher integer value</li> <li>- Ballots are not invalidated at the point of collection</li> </ul> <p><b>Definition of Done:</b> (what is required by the team before sending out for review)</p> <ul style="list-style-type: none"> <li>- Code fully functioning and documented</li> <li>- Output displayed to the screen is as expected</li> </ul> <p><b>Effort:</b> Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed</p> <p>MediLarge</p> <p><b>PBI Author(s):</b> Tanner, Charlie, Caleb, Haneesha</p>		
CSV file handled for PO		PBI008
<p><i>As an election official</i></p> <p>I want to be able to process a CSV file to be run for popularity vote</p> <p>So that I do not have to manually input the data and the popularity vote can run as expected</p> <p><i>Note: We are interested in functionality and not the individual tasks for the PBI. Do not create tasks at this time.</i></p> <p><b>Acceptance Criteria:</b> (conditions that have to be fulfilled to ensure the story is complete)</p> <ul style="list-style-type: none"> <li>- There is a valid input file (csv format) <ul style="list-style-type: none"> <li>- Valid ballots for given election</li> <li>- Valid header</li> </ul> </li> <li>- If invalid input file, handles correctly</li> </ul> <p><b>Definition of Done:</b> (what is required by the team before sending out for review)</p> <ul style="list-style-type: none"> <li>- Code fully functioning</li> <li>- Thoroughly tested via unit testing and system/integration testing</li> </ul> <p><b>Effort:</b> Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed</p> <p>Small</p> <p><b>PBI Author(s):</b> Tanner, Charlie, Caleb, Haneesha</p>		

PO election			PBI002
<div><p>As an election official</p><p>I want to be able to run a popularity vote with the voting software</p><p>So that I do not have to manually run it, and it outputs the expected results</p><p>Note: We are interested in functionality and not the individual tasks for the PBI. Do not create tasks at this time.</p></div>			
<div><p><b>Acceptance Criteria:</b> (conditions that have to be fulfilled to ensure the story is complete)</p><ul style="list-style-type: none"><li>- There is a valid input file (csv format)<ul style="list-style-type: none"><li>- Valid ballots for given election</li><li>- Valid header</li></ul></li><li>- If invalid input file, handles correctly</li><li>- Unbiased tie breaker</li><li>- Majority wins</li></ul></div>			
<div><p><b>Definition of Done:</b> (what is required by the team before sending out for review)</p><ul style="list-style-type: none"><li>- Code fully functioning and outputs expected results</li><li>- Thoroughly tested via unit testing and system/integration testing</li></ul></div>			
<div><p><b>Effort:</b> Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed</p><p>Medium</p></div>			
<div><p><b>PBI Author(s):</b> Tanner, Charlie, Caleb, Haneesha</p></div>			
IRV Stats			PBI007
<div><p>As an election official</p><p>I want a table to be shown at the end of the IRV election showing each round of the IRV votes And the number of votes added/subtracted for that round</p><p>So that the progress of the IRV election can be visualized</p><p>Note: We are interested in functionality and not the individual tasks for the PBI. Do not create tasks at this time.</p></div>			
<div><p><b>Acceptance Criteria:</b> (conditions that have to be fulfilled to ensure the story is complete)</p><ul style="list-style-type: none"><li>- The IRV election runs properly with expected results</li></ul></div>			
<div><p><b>Definition of Done:</b> (what is required by the team before sending out for review)</p><ul style="list-style-type: none"><li>- Code fully functioning and documented for the output table</li><li>- Output displayed to the screen is as expected and neatly formatted</li></ul></div>			
<div><p><b>Effort:</b> Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed</p><p>Medium</p></div>			
<div><p><b>PBI Author(s):</b> Tanner, Charlie, Caleb, Haneesha</p></div>			

PO Election Stats		PBI005
<div><p>As an election official</p><p>I want <i>the PO election stats displayed to the screen at the end of the election</i></p><p>So that <i>people know the percentage of votes each candidate received and clearly indicates the results of the election</i></p><p><i>Note: We are interested in functionality and not the individual tasks for the PBI.</i> <i>Do not create tasks at this time.</i></p><p><b>Acceptance Criteria:</b> <i>(conditions that have to be fulfilled to ensure the story is complete)</i></p><ul style="list-style-type: none"><li>- <i>PO election runs properly</i></li><li>- <i>The output screen must be working properly</i></li></ul><p><b>Definition of Done:</b> <i>(what is required by the team before sending out for review)</i></p><ul style="list-style-type: none"><li>- <i>Code fully functioning and documented</i></li><li>- <i>Output displayed to the screen is as expected</i></li></ul><p><b>Effort:</b> <i>Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed</i></p><p>Medium</p><p><b>PBI Author(s):</b> Tanner, Charlie, Caleb, Haneesha</p></div>		
GUI		PBI004
<div><p>As an election official</p><p>I want <i>to be able to navigate to a GUI window to select ballot files for processing a directory</i> <i>A window should appear and the user should be able to type in a file name</i> <i>or look for a file using the mouse or arrow keys.</i></p><p>So that <i>specific files can be selected as ballot files in the election process</i></p><p><i>Note: We are interested in functionality and not the individual tasks for the PBI.</i> <i>Do not create tasks at this time.</i></p><p><b>Acceptance Criteria:</b> <i>(conditions that have to be fulfilled to ensure the story is complete)</i></p><ul style="list-style-type: none"><li>- <i>The GUI functions as expected with the expected features</i></li></ul><p><b>Definition of Done:</b> <i>(what is required by the team before sending out for review)</i></p><ul style="list-style-type: none"><li>- <i>Code fully functioning</i></li><li>- <i>Thoroughly tested via unit testing and system/integration testing</i></li></ul><p><b>Effort:</b> <i>Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed</i></p><p>Medium/Large</p><p><b>PBI Author(s):</b> Tanner, Charlie, Caleb, Haneesha</p></div>		