

PBI #1 - Bug: File handler does not handle nonexistent files cleanly	Not Started	In Progress	Completed
As an election official			
I want to be able to re-enter input file names in case it was improperly entered			- Update Main function to handle nonexistent file errors (Alex)
So that I can avoid re-running the election program.			- Update documentation to reflect behavior
Acceptance Criteria: - Program prompts user for new filename if the previously entered filename does not exist			
Definition of Done: - Program runs without causing errors. - Program passes all unit, integration, and system tests. - All documentation fully completed. - Performs correctly in line with the acceptance criteria.			
Effort: Small			
PBI Author(s): Alex			
PBI #2 - Bug: Out of bounds error in addToResults in CPL	Not Started	In Progress	Completed
As an election official			- Update addToResults() function to handle out of bounds error (Robert)
I want to run a CPL election cleanly and without errors			- Conduct extensive unit testing to ensure that errors are avoided (Robert)
So that the program runs without crashing.			
Acceptance Criteria: - Running a CPL election does not cause errors			
Definition of Done: - addToResults function runs without causing errors. - addToResults function passes all unit, integration, and system tests. - All documentation fully completed. - Performs correctly in line with the acceptance criteria.			
Effort: Medium			
PBI Author(s): Alex			
PBI #3 - Bug - Break a Tie	Not Started	In Progress	Completed
As an election official			- Update breakTie() function to correctly and randomly produce a tie break scenario (Robert)
I want the system to automatically and fairly break ties			- identify why breakTie() sometimes doesn't work as intended (Robert)
So that tied PO and CPL elections are resolved fairly, randomly, and free of bias or human error			
Acceptance Criteria: - Each tied candidate/party should win the election in an equal proportion of times as the other tied candidates/parties (ties are broken fairly) - Should break ties only when candidates/parties have the same vote count.			
Definition of Done: - Program runs without causing errors. - Program passes all unit, integration, and system tests. - All documentation fully completed. - Performs correctly in line with the acceptance criteria.			
Effort: Small			
PBI Author(s): Robert			
PBI #4 - Input Multiple Files (IR, CPL)	Not Started	In Progress	Completed
As an election official			- Add functionality to input multiple files (Alex)
I want to be able to input multiple files for a single election			- Add functionality to open multiple files within the FileHandler via a loop (Alex)
So that files from different polling stations can be read together for calculating a winner of a single election			- Update documentation for FileHandler classes and associated classes (Alex)
Acceptance Criteria: - The program can process multiple files for a single election			- Refactor previously written test cases to handle the new structure of the program (Alex)
Definition of Done: - Program runs without causing errors. - Program passes all unit, integration, and system tests. - All documentation fully completed. - Performs correctly in line with the acceptance criteria.			- Write tests for handling multiple files in each type of election
Effort: Small			
PBI Author(s): Alex, Gideon			
PBI #5 - Election Table (IR)	Not Started	In Progress	Completed

<p>As an election official</p> <p>I want to be able to know the winner and rounds of elimination in an IR election.</p> <p>So that I can know the winner and order of elimination without opening any files</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"> - Program prints the correct candidate as the winner - Program correctly prints each round of the IR voting. - Program prints a table showing each round of the IR voting and the number of votes added/subtracted for each candidate for that round. <p>Definition of Done:</p> <ul style="list-style-type: none"> - Program runs without causing errors. - Program passes all unit, integration, and system tests. - All documentation fully completed. - Performs correctly in line with the acceptance criteria. <p>Effort: Large</p> <p>PBI Author(s): Alex</p>			<ul style="list-style-type: none"> - Update tests for printElectionResults() - Update printElectionResults() to match desired format - Update documentation for printElectionResults()
PBI #6 - Process a file (PO)	Not Started	In Progress	Completed
<p>As an election official</p> <p>I want to be able to process a file for a PO election</p> <p>So that the file can be processed to run the election and determine a winner.</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"> - Program can correctly process input file format (CSV). - Program processes the correct file <p>Definition of Done:</p> <ul style="list-style-type: none"> - Program runs without causing errors. - Program passes all unit, integration, and system tests. - All documentation fully completed. - Performs correctly in line with the acceptance criteria. <p>Effort: Medium</p> <p>PBI Author(s): Alex</p>		<ul style="list-style-type: none"> - Create tests to ensure PO data is stored correctly (Robert) - Write documentation for PO file processing (Robert) 	<ul style="list-style-type: none"> - Add functionality to determine if a file contains information about a PO election. (Alex) - Add functionality to process and store PO election information from the file header (Alex) - Add functionality to process and store PO ballots
PBI #7 - Determine the winner of a PO election	Not Started	In Progress	Completed
<p>As an election official</p> <p>I want to count the votes of each candidate and determine the winner of a PO election</p> <p>So that the results of a PO election can be determined with a limited margin of human error</p> <p>Acceptance Criteria:</p> <ul style="list-style-type: none"> - Winner is correctly determined based off votes <p>Definition of Done:</p> <ul style="list-style-type: none"> - Program runs without causing errors. - Program passes all unit, integration, and system tests. - All documentation fully completed. - Performs correctly in line with the acceptance criteria. <p>Effort: Large</p> <p>PBI Author(s): Gideon</p>		<ul style="list-style-type: none"> - Write documentation for PO classes (Robert) - Create tests to ensure the winner is determined correctly(Gideon) 	<ul style="list-style-type: none"> - Add functionality to determine the correct winner from the stored ballots