

Value Statement/User Story:	PBI_004: As a constituent, I want to know the percentage of votes each candidate recieved so that I know how well my candidate did in the election.	PBI_006: As an election official, I would like for there to be a display so that I can easily navigate and run the election.	PBI_008: As a state election official, I want to know which ballots are invalidated so that I can guarantee a fair election.	PBI_009: As an official, I would like to see a table at the end of the election showing each round of the IRV and the number of votes that the candidate added/subtracted for that round so that I know what is happening every round.	PBI_010: As an election official, I want a short report that can be printed and given to the election certification official so that I can prove results in case of election contesting.
Acceptance Criteria (User viewpoint)	The program displays the percentage of votes each candidate won next to their name.	<ul style="list-style-type: none"> - The program has a UI - The program prompts the user for a file 	<ul style="list-style-type: none"> - all invalidated ballots are stored somewhere so I can access them and view them 	At the end of the program, display a table that has all of the results including the process of how the election was done	The report should have the date, type of election (OPL, IR, or PO), the candidates, the number of seats, and the winner(s) of the election.
Definition of Done (Developer viewpoint)	<ul style="list-style-type: none"> -The percentages are correctly calculated - unit testings have been conducted - system testings have been conducted 	<ul style="list-style-type: none"> - The program has a UI - Prompts user for a file at the start of the program - unit testings have been conducted - system testings have been conducted 	<ul style="list-style-type: none"> - All invalidated files are written to invalidated_dateofelection.xxx - unit testings have been conducted - system testings have been conducted 	<ul style="list-style-type: none"> - All the data from the election that is needed is displayed at the end of the program most likely through a cout. - unit testings have been conducted - system testings have been conducted 	<ul style="list-style-type: none"> - The data from the program is consistently input into an audit file while the file is running and then produce the file at the end of running the program to show that the election results are fair. - unit testings have been conducted - system testings have been conducted
Effort: Small, Medium, Large, Extra Large (estimate of effort and time) OR number of hours needed	Small	Medium	Small	Small	Small
PBI Author(s)	Lucky	Lucky	Grant	Michael, Grant	Michael, Grant